

Official Publications Received.

Journal of the College of Agriculture, Hokkaido Imperial University, Sapporo, Japan. Vol. 16, Part 1: (i) Über die qualitativen Methoden zur Methylpentosanbestimmung, von Kintaro Oshima und Kinsuke Kondo; (ii) Über die quantitative Bestimmung von Pentosan und Methylpentosan, von Kintaro Oshima und Kinsuke Kondo. Pp. 71. Vol. 17, Part 1: Studies in Plasmopara Haestdii, II. By Prof. Makoto Nishimura. Pp. 61+5 plates. Vol. 18, Part 1: On the Five Species of Dendrolimus injurious to Conifers in Japan, with their Parasitic and Predaceous Insects. By Prof. S. Matsumura. Pp. 42+5 plates. (Tokyo: Maruzen Co., Ltd.)

Proceedings of the Geologists' Association. Edited by A. K. Wells. Vol. 37, Part 2, June 25th. Pp. 117-250. (London: Edward Stanford, Ltd.) 5s.

Royal College of Surgeons of England. Annual Report on the Museum, by the Conservator, June 17th, 1926. Pp. 24. (London.)

Canada. Department of Mines: Mines Branch. Investigations of Mineral Resources and the Mining Industry, 1924. (No. 642.) Pp. ii+118+5 plates. Investigations in Ore Dressing and Metallurgy (Testing and Research Laboratories), 1924. (No. 643.) Pp. 115. Investigations of Fuels and Fuel Testing (Testing and Research Laboratories), 1924. (No. 644.) Pp. ii+81+4 plates. (Ottawa: F. A. Acland.)

Union of South Africa: Department of Agriculture. Science Bulletin No. 47: Physical and Chemical Analyses of Papers employed for Wrapping Fruit. By Dr. Francois J. de Villiers. Pp. 19. (Pretoria: Government Printing and Stationery Office.)

Bulletin International de l'Académie Polonaise des Sciences et des Lettres: Classe des Sciences mathématiques et naturelles. Série B: Sciences naturelles. No. 3-4B, Mars-Avril, 1925. Pp. 277-508+planches 15-23. 450 zł. No. 5-6B, Mai-Juin, 1925. Pp. 509-622+planches 24-32. No. 7B, Juillet, 1925. Pp. 623-727+planches 33-36. No. 8B, Octobre, 1925. Pp. 729-800+planches 37-45. Série A: Sciences mathématiques. No. 3-10A, Octobre-Décembre, 1925. Pp. 259-375+planches 3-9. No. 1-2A, Janvier-Février, 1926. Pp. 101. No. 3-4A, Mars-Avril, 1926. Pp. 103-132. (Cracovie: Gebethner et Wolff.)

The Institute of Chemistry of Great Britain and Ireland. Register of Fellows, Associates and Students, corrected to 31st March 1926. Pp. 352. (London.)

Bishop's Stortford College. Report of the Proceedings of the Natural History Society, 1925. Pp. 21. (Bishop's Stortford.)

Results of Meteorological Observations made at the Radcliffe Observatory, Oxford, in the Five Years 1921-1925. Vol. 54. Pp. xvi+101. (London: Oxford University Press.)

Koninklijk Magnetisch en Meteorologisch Observatorium te Batavia. Jaarverslag 1925. Pp. 24. (Wetvevreden: Landsdrukkerij.)

Memoirs of the Department of Agriculture in India. Botanical Series, Vol. 14, No. 2: Studies in Gujarat Cottons, Part 3. The Wagad Cotton of Upper Gujarat, Kathiawad and Kutch. By Maganlal L. Patel and D. P. Mankad. Pp. iv+59-112+3 plates. (Calcutta: Government of India Central Publication Branch.) 1.4 rupees; 2s. 3d.

The Kent Incorporated Society for Promoting Experiments in Horticulture. Annual Report (Thirteenth Year). I: General, East Malling Research Station, 1st January 1925 to 31st December 1925. Pp. 100. (East Malling.) 2s. 3d.

Board of Education. Syllabus of the Science Scholarships Examination, 1927. Pp. 24. (London: H.M. Stationery Office.) 4d. net.

Subject Index of the *Transactions of the Optical Society*, Vols. 1-25. By Prof. A. F. C. Pollard. Pp. iv+89. (London: Optical Society, Imperial College of Science.)

The Decimal Bibliographical Classification of the Institut International de Bibliographie. Partly translated for the Formation and Use of a Universal Bibliographical Repertory concerning Optics, Light and cognate Subjects. By Prof. A. F. C. Pollard. Pp. viii+109. (London: Optical Society, Imperial College of Science.)

The Midland Agricultural and Dairy College, Sutton Bonington, Loughborough. Bulletin No. 9: County and Inter-County Clean Milk Competitions, organised by the College and the County Agricultural Education Authorities; Report on the Inter-County Competition, 1925-26. Pp. 12. (Loughborough.)

Philosophical Transactions of the Royal Society of London. Series A, Vol. 226: The Behaviour of Single Crystals of Aluminium under Static and Repeated Stresses. By H. J. Gough, Dr. D. Hanson and S. J. Wright. Pp. 30+3 plates. (London: Harrison and Sons, Ltd.)

Zoologica: Scientific Contributions of the New York Zoological Society. Vol. 6, No. 1: Studies of a Tropical Jungle, One Quarter of a Square Mile of Jungle at Kartabo, British Guiana. By William Beebe. (Department of Tropical Research, Contribution No. 190.) Pp. 193. (New York.) 1 dollar.

Scientific Papers of the Institute of Physical and Chemical Research. Nos. 57-58: On the Plasticity of Metals, Part 1, by Hikoroku Shōji; On the Plasticity of Metals at High Temperatures, Part 2, by Hikoroku Shōji and Yoshio Mashiyama. Pp. 189-206. 25 sen. No. 59: Über die Konstitution der durch Hydrolyse von Rohorzanzin entstehenden β -Säure (Dioxychinolin-Carbonsäure). Von Yoshikazu Sahashi. Pp. 207-234. 30 sen. No. 60: The Influence of Cholesterol upon the Reproductive Potency of White Rats. By Umetero Suzuki and Nabetaro Hashimoto. Pp. 235-256. 25 sen. No. 61: About the Transference of Active States and the Mechanism of Catalytic Action. By Susumu Miyamoto. Pp. 257-262. 15 sen. No. 62: Analysis of the Alkali Group. By Sunao Ato and Isaburo Wada. Pp. 263-294. 35 sen. (Tokyo.)

New York Zoological Society. Report of the Director of the Aquarium. (Reprinted from the Thirtieth Annual Report of the New York Zoological Society.) Pp. 14. (New York City.)

Department of Commerce: Bureau of Standards. Scientific Papers of the Bureau of Standards. No. 523: Wind Pressures on Structures. Part 1: General Discussion on Wind Pressure Data; Part 2: Distribution of Pressure over a Model of a Tall Building. By Hugh L. Dryden and George C. Hill. Pp. 697-732. 20 cents. No. 524: Measurements on the Thermal Expansion of Fused Silica. By Wilmer Souder and Peter Hidner. Pp. 23. 10 cents. No. 526: Transmission and Absorption of Sound by some Building Materials. By E. A. Eckhardt and V. L. Chrisler. Pp. 37-63. 15 cents. (Washington, D.C.: Government Printing Office.)

Annals of the Natal Museum. Edited by Dr. Ernest Warren. Vol. 5, Part 3, May. Pp. 235-448+plates 15-25. (London: Adlard and Son and West Newman, Ltd.) 17s. 6d. net.

Edinburgh and East of Scotland College of Agriculture. New Series, No. 1: A Pure Milk Supply. By A. Cunningham and T. Gibson. Pp. 24. (Edinburgh.)

Proceedings of the United States National Museum. Vol. 68, Art. 25: Amphipods of the Family *Bateidae* in the Collection of the United States National Museum. By Clarence R. Shoemaker. (No. 2626.) Pp. 26. Vol. 69, Art. 1: A new Species of Fluke, *Parametorchis noveboracensis*, from the Cat in the United States. By See-Lü Hung. Pp. 2. (Washington, D.C.: Government Printing Office.)

The Physical Society of London. Proceedings, Vol. 38, Part 4, June 15. Pp. 277-336. (London: Fleetway Press, Ltd.) 6s. net.

Memoirs of the Department of Agriculture in India. Chemical Series, Vol. 8, No. 9: Nutrients required for Milk Production with Indian Food-stuffs. By F. J. Worth, Asst.-Prof. Labh Singh and S. M. Husain. Pp. 153-187. (Calcutta: Government of India Central Publication Branch.) 14 annas; 1s. 6d.

Government of Madras: Local Self-Government Department (Public Health). Report of the Chemical Examiner's Department for the Year 1925. Pp. 13. (Madras: Government Press.)

Report of the Department of Industries, Madras, for the Year ended 31st March 1925. Pp. v+102. (Madras: Government Press.) 6 annas.

Meddelanden från Statens Skogsforsöksanstalt. Häfte 22, Nr. 3: Till Kottklängningens teori och praxis (Zur Theorie und Praxis des Klengprozesses). Av Lars-Gunnar Romell. Pp. 125-144. Häfte 22, Nr. 4: Tillyväxtprocentens Beräkning (The Calculation of the Increment percent with the Method of Compound Interest). Av Sven Pettrini. Pp. 145-168. Häfte 22, Nr. 5: Studier över Barrensagens Humustäcke, dess Egenskaper och Beredande av Skogsvården (Studien über die Humustäcke des Nadelwaldes, ihre Eigenschaften und deren Abhängigkeit vom Waldbau). Av Henrik Hesselman. Pp. 169-552. Häfte 22, Nr. 6: Om Uppskattningen på Försöksparkerna, av Sven Pettrini; Redogörelse för Verksamheten vid Statens Skogsforsöksanstalt under år 1925. Pp. 553-590. (Stockholm: Centraltryckeriet.)

Diary of Societies.

AUGUST 4 TO 11.

BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE (at Oxford). *Wednesday, August 4* (in Sheldonian Theatre), at 8.30 p.m.—H.R.H. The Prince of Wales: Presidential Address.

Thursday, August 5.—At 10 a.m.—Addresses by Sectional Presidents: B.—Prof. J. F. Thorpe, F.R.S.: The Scope of Organic Chemistry.—C.—Prof. S. H. Reynolds: Progress in the Study of the Lower Carboniferous (Avonian) Rocks of England and Wales.—F.—Sir Josiah Stamp: Inheritance as an Economic Factor.—K.—Prof. F. O. Bower: 1860-1894-1926.

At 11 a.m.—Addresses by Sectional Presidents: E.—Hon. W. Ormsby-Gore: The Economic Development of Africa and its effect on the Native Population.—I.—Prof. J. B. Leathes: Function and Design.—Discussion (Section M): Cultivation Methods.

At 2.—Conference of Delegates of Corresponding Societies.—Sir John Russell: Regional Survey (Presidential Address).

At 2.15.—Dr. F. A. Dixey: Recent Criticisms of the Theory of Mimicry (Lecture).

At 2.30.—Discussion (Sections E, H): The Effect on African Native Races of Contact with European Civilisation.—Discussion (Section M): Soil Classification.

At 5.—Discussion: (Sections L, M): Educational Training for Overseas Life.

Friday, August 6.—At 10 a.m.—Addresses by Sectional Presidents: G.—Sir John Snell: The Present and Future Development of Electricity Supply.—L.—Sir Thomas Holland. Discussion (Section C): Problems of the Thames Gravels.—Discussion (Section IM): Agricultural Education.

At 11 a.m.—Discussion (Section L): Scholarships.

At 11.30 a.m.—Addresses by Sectional Presidents: D.—Prof. J. Graham Kerr: Biology and the Training of the Citizen.—J.—Dr. J. Drever: Psychological Aspects of our Penal System.—Discussion (Section K): Sex Determination in Plants.

At 2.30.—Discussion (Section I): The Relationship of Vitamin B to Bios.—Discussion (Section L): The Cinema in Education.

At 3.15.—Discussion (Section I): The Meaning of the Symptoms of Beri-beri.

At 3.30.—Discussion (Section L): Wireless in Education.

At 8.—Prof. A. S. Eddington: Stars and Atoms (Evening Discourse).

Monday, August 9.—At 10 a.m.—Addresses by Sectional Presidents: A.—Prof. A. Fowler: The Analysis of Spectra.—H.—Prof. H. J. Fleure: The Regional Balance of Racial Evolution.—M.—Sir Daniel Hall: The Limits of Agricultural Expansion.—Discussion (Section B): Tautomerism.—Discussion (Section L): Recent Advances in Educational Science.

At 11 a.m.—Discussion (Section K): Vegetative Propagation.—Discussion (Section D): The Training of a Zoologist.

At 2.—Discussion (Sections D, H, J): Heredity in its Physical and Mental Aspects.

At 8.—Prof. H. F. Osborn: Discoveries in the Gobi Desert by the American Museum Expeditions (Evening Discourse).

Tuesday, August 10.—At 10 a.m.—Prof. J. S. Huxley: The Study of Growth and its bearings upon Morphology (Lecture).—Discussion (Section L): The Public School System.

At 11 a.m.—Discussion (Sections C, D, K): The Conception of a Species.

At 11.30 a.m.—Discussion (Section M): The Feeding of the Dairy Cow.

At 12 noon.—(Section I) by Dr. J. S. Haldane: Acclimatisation to High Altitudes (Lecture).

At 2.—Conference of Delegates of Corresponding Societies.

At 2.30.—(Section J) by Miss W. Spielman: Recent Progress in Vocational Selection (Lecture).

At 5.—Sir F. Keeble: The Nervous System of Plants (Lecture).

Wednesday, August 11.—At 11 a.m.—Discussion (Section E): Regional Work in Geography.

At 12 noon.—Concluding General Meeting.