

Official Publications Received.

Department of the Interior: U.S. Geological Survey. Water-Supply Paper 543: Surface Water Supply of the United States, 1922. Part 3: Ohio River Basin. Pp. vi+262+2 plates. 25 cents. Water-Supply Paper 563: Surface Water Supply of the United States, 1923. Part 3: Ohio River Basin. Pp. vi+258+3 plates. 25 cents. Water-Supply Paper 567: Surface Water Supply of the United States, 1923. Part 7: Lower Mississippi River Basin. Pp. iv+122+3 plates. 15 cents. Water-Supply Paper 572: Surface Water Supply of the United States, 1923. Part 12: North Pacific Slope Drainage Basins. A: Pacific Basins in Washington and Upper Columbia River Basin. Pp. v+193+ii+3 plates. 25 cents. Bulletin 780D: Antimony and Quicksilver Deposits in the Yellow Pine District, Idaho. By Frank C. Schrader and Clyde P. Ross. (Contributions to Economic Geology, 1925, Part 1.) Pp. iv+137+107+plates 18-19. Bulletin 785A: Recent Developments in the Aspen District, Colorado. By Adolph Knopf. (Contributions to Economic Geology, 1926, Part 1.) Pp. ii+28+1 plate. Professional Paper 146: Mississippi Formations of San Saba County, Texas. By P. V. Roundy, George H. Girty and Marcus I. Goldman. Pp. iv+63+83 plates. 35 cents. (Washington, D.C.: Government Printing Office.)

Bird Sanctuaries Committee (England). Report for 1925. Pp. 15. (London: H.M. Office of Works.)

Proceedings of the United States National Museum. Vol. 68, Art. 9: North American Species of Two-winged Flies belonging to the Tribe Miltogrammini. By Harry W. Allen. (No. 2610.) Pp. 106+5 plates. Vol. 68, Art. 10: Field Notes on Gall-Inhabiting Cynipid Wasps, with Descriptions of New Species. By Lewis H. Weld. (No. 2611.) Pp. 131+8 Plates. Vol. 68, Art. 20: A new Genus and Species of Borborid Flies from South America. By Mario Bezzi. (No. 2621.) Pp. 6. Vol. 68, Art. 21: New Genera and Species of Acalyptate Flies in the United States National Museum. By J. R. Malloch. (No. 2622.) Pp. 35+2 plates. Vol. 68, Art. 23: North American Two-winged Flies of the Genus *Cylindromyia* Meigen (Ocyptera of Authors). By J. M. Aldrich. (No. 2624.) Pp. 27+1 plate. Vol. 69, Art. 2: The Optical Properties and Chemical Composition of Glaucomite. By Clarence S. Ross. (No. 2628.) Pp. 15. (Washington, D.C.: Government Printing Office.)

Year Book of the Academy of Natural Sciences of Philadelphia for the Year ending December 31, 1925. Pp. 100+8 plates. (Philadelphia, Pa.)

Research Publications of the University of Minnesota. Bibliographical Series, No. 3: Research in Progress at the University of Minnesota, July 1924—July 1925. Compiled by Dr. Clarence M. Jackson. Pp. vi+306. (Minneapolis, Minn.) 1.25 dollars.

Department of the Interior: Bureau of Education. Bulletin, 1925, No. 45: Statistics of Universities, Colleges and Professional Schools, 1923-24. Pp. 161. (Washington, D.C.: Government Printing Office.) 25 cents.

Astronomical and Magnetical and Meteorological Observations made at the Royal Observatory, Greenwich, in the Year 1924. Under the Direction of Sir Frank Dyson. Pp. 8+Axiii+A55+iv+B22+C7+Dix+D85+5+Exxii+E76+21. (London: H.M. Stationery Office.) 37s. 6d. net.

Researches of the Department of Terrestrial Magnetism, Vol. 5. Ocean Magnetic and Electric Observations, 1915-1921. Magnetic Results, by J. P. Ault; Atmospheric-Electric Results, by J. P. Ault and S. J. Mauchly. Special Reports: The Hudson Bay Expedition, 1914, by W. J. Peters; Navigation of Aircraft by Astronomical Methods, by J. P. Ault; The Compass-Variometer, by Louis A. Bauer, W. J. Peters and J. A. Fleming; Sunspot and Annual Variations of Atmospheric Electricity, with Special Reference to the *Carnegie* Observations, 1915-1921, by Louis A. Bauer; Studies in Atmospheric Electricity based on Observations made on the *Carnegie*, 1915-1921, by S. J. Mauchly. (Publication No. 175.) Pp. vii+430+15 plates. (Washington, D.C.: Carnegie Institution.) 7.25 dollars.

Papers from the Department of Marine Biology of the Carnegie Institution of Washington. Vol. 23: Some Marine Bottom Samples from Pago Pago Harbor, Samoa, by M. N. Bramlette; Proportions of Detrital Organic Calcareous Constituents and their Chemical Alteration in a Reef Sand from the Bahamas, by Marcus I. Goldman; Report on a Bacteriological Examination of 'Chalky Mud' and Sea-Water from the Bahama Banks, by N. R. Smith; Recent Foraminifera from Porto Rico, by J. A. Cushman; Fossils from Quarries near Suva, Viti Levu, Fiji Islands, and from Vavao, Tonga Islands, with Annotated Bibliography of the Geology of the Fiji Islands, by Wendell C. Mansfield; Miocene Corals from Trinidad, by T. W. Vaughan and J. E. Hoffmeister. (Publication No. 344.) Pp. ii+134+15 plates. (Washington, D.C.: Carnegie Institution.) 2.50 dollars.

Papers from the Department of Marine Biology of the Carnegie Institution of Washington. Vol. 24: Taxonomy of the Amebas, with Descriptions of Thirty-nine new Marine and Freshwater Species. By Prof. Asa Arthur Schaeffer. (Publication No. 345.) Pp. iii+116+12 plates. (Washington, D.C.: Carnegie Institution.) n.p.

Human Metabolism with Enemata of Alcohol, Dextrose and Levulose. By Thorne M. Carpenter. (Publication No. 369.) Pp. ix+197. (Washington, D.C.: Carnegie Institution.) 2.25 dollars.

Contributions to Embryology. Vol. 17, Nos. 85 to 89. No. 85: Development of the Human Embryo during the period of Somite Formation, including Embryos with 2 to 16 pairs of Somites, by George W. Bartelmez and H. M. Evans; No. 86: Origin and Development of the Rete Ovarii and the Rete Testis in the Human Embryo, by Karl M. Wilson; No. 87: Physiological Study of Cortical Motor Areas in Young Kittens and Adult Cats, by Lewis H. Weed and Orthello R. Langworthy; No. 88: Lymphatics and Blood-Vessels of the Ovary of the Sow, by Dorothy H. Anderson; No. 89: Relation of Onset of Decerebrate Rigidity to the Time of Myelination of Tracts in the Brain-Stem and Spinal Cord of Young Animals, by Orthello R. Langworthy. (Publication No. 362.) Pp. iii+140+27 plates. (Washington, D.C.: Carnegie Institution.) n.p.

Proceedings of the Board of Agriculture in India held at Pusa on the 7th December 1925, and following days; with Appendices. Pp. iv+154. (Calcutta: Government of India Central Publication Branch.) 1.14 rupees; 3s. 3d.

Patents for Inventions: including some Useful Information on Trade Marks, Designs and Copyright. By Benj. T. King. Pp. 16. (London: King's Patent Agency, Ltd., 146a Queen Victoria Street, E.C.4.) Free.

Observatoire de Zi-ka-wei. 1122 étoiles doubles de J. Herschel: études d'après les catalogues photographiques et les cartes-du-ciel. Par le Rev. P. Gauchet. (Annales de l'Observatoire de Zô-sé, Tome 14, Fascicule 3.) Pp. B72. (Zi-ka-wei, Chang-hai.)

Canada. Department of Mines: Geological Survey. Memoir 144, No. 128 Geological Series: Mount Albert Map-area, Quebec. By F. J. Alcock. (No. 2083.) Pp. ii+75+6 plates. 20 cents. Memoir 147, No. 127 Geological Series: Michipicoten Iron Ranges. By W. H. Collins, T. T. Quirk and Ellis Thomson. (No. 2079.) Pp. iii+175+9 plates. 30 cents. Economic Geology Series, No. 1: Geology and Economic Minerals of Canada. By G. A. Young. (No. 2065.) Pp. iv+187+57. 50 cents. (Ottawa: F. A. Acland.)

Leeds Tercentenary Celebrations. Report of the Tercentenary 'Clean Air' Committee, July 1926. Pp. 52. (Leeds: Walter Gardham.) 3d.

A Bibliography on Research: Selected Articles from the Technical Press, 1923, 1924, 1925. Pp. 46. (New York: National Research Council.)

The Royal Society for the Protection of Birds. Thirty-fifth Annual Report, January 1st to December 31st 1925: with Proceedings of Annual Meeting, 1926. Pp. 108. (London: 82 Victoria Street, S.W.1.) 1s.

Proceedings of the Imperial Academy. Vol. 2, No. 4, April. Pp. vii-xi+149-191. (Ueno Park, Tokyo.)

Annalen van de Sterrewacht te Leiden. Deel 12, Stuk 3: New Mathematical Theory of Jupiter's Satellites. 1 and 2: The Intermediary Orbit and the Variations. By Prof. W. de Sitter. Pp. ii+83. Deel 14, Stuk 3: Measures of Double Stars made with the 10½-inch Clark-Repsold Refractor in the Years 1920-1925. By W. H. van den Bos. Pp. 88. (Haarlem: Joh. Enschedé en Zonen.)

Diary of Societies.

MONDAY, JULY 26.

CAMBRIDGE PHILOSOPHICAL SOCIETY (in Cavendish Laboratory), at 4.30.—Dr. P. A. M. Dirac: On Quantum Algebra.—Miss B. Swirles: The Polarizabilities of Atomic Cores.—J. R. Oppenheimer: On the Quantum Theory of the Problem of the Two Bodies. (Preliminary Communication.) *Communicated by title only*: M. H. A. Newman: Integral Invariants of the Affine Field.—Dr. A. Young and Prof. H. W. Turnbull: The Linear Invariants of Ten Quaternary Quadrics.—G. S. Mahajan: A Contribution to the Theory of Ferromagnetism.—E. B. Moullin: On some Resistance Properties of a Certain Network containing Inductances and Capacities, and their Analogies in a Mechanical System.—J. C. Burkill: On Mellin's Inversion Formula.—Major P. A. MacMahon: The Elliptic Products of Jacobi and the Theory of Linear Concomitants.—R. Hargreaves: Geodetic and Dynamical Principles, a Comparison and Connexion.—J. R. Oppenheimer: On the Quantum Theory of Vibration-Rotation Bands.—F. A. Taylor: An Approximation to the Motion of Two Rotating Electrical Doubtlets in a Plane.—D. R. Hartree: Some Relations between the Optical Spectra of Different Atoms of the same Electronic Structure: II. Aluminium-like and Copper-like Atoms.—J. P. Gabbatt: Note on the Extension to Higher Space of a Theorem of Wallace.—J. B. S. Haldane: A Mathematical Theory of Natural and Artificial Selection. Part III.

CONFERENCES.

JULY 26 TO 31.

FRENCH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE (at Lyons).

AUGUST 3 TO 6.

INTERNATIONAL PHYSIOLOGICAL CONGRESS (at Stockholm).

AUGUST 16 TO 23.

INTERNATIONAL BOTANICAL CONGRESS (at Cornell University).

AUGUST 23 TO 28.

AUSTRALASIAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE (at Perth, Western Australia).—Prof. E. H. Rennie: The Chemical Exploitation, Past, Present and Future, of Australian Plants (Presidential Address).—The Presidents of Sections and the Titles of their Addresses are as follow: *A (Astronomy, Mathematics and Physics)*, Prof. K. Grant, Atomic Transformation; *B (Chemistry)*, Prof. J. Kenner, Some Aspects of the Problem of Molecular Structure; *B 2 (Pharmacy)*, A. T. S. Sissons, The Indebtedness of Pharmacy to Organic Chemistry; *C (Geology and Mineralogy)*, Sir Douglas Mawson, The Igneous Rocks of South Australia—a brief Survey of Present Knowledge relating thereto; *D (Zoology)*, Prof. L. Harrison, The Composition and Origins of the Australian Fauna, with special reference to the Wegener Hypothesis; *E (Geography and History)*, Prof. E. Scott, The Discoveries of the Western Australian Coast, with especial reference to Dampier and D'Entrecasteaux; *F (Ethnology and Anthropology)*, Prof. F. Wood Jones, The Claims of the Australian Aboriginal; *G (Social and Statistical Science)*, Major L. F. Giblin, Federation and Finance—an Examination of the Financial Relations of States to a Federal Commonwealth; *H (Engineering and Architecture)*, Sir John Sulman, Town Planning; *I (Sanitary Science and Hygiene)*, F. S. Hone; *J (Mental Science and Education)*, P. Board, Social and Economic Values in Education; *K (Agriculture and Forestry)*, C. E. Lane Poole, Forestry and Land Settlement; *L (Veterinary Science)*, Prof. J. D. Stewart, The Relationship of Veterinary Science to the Prosperity of the State; *M (Botany)*, Prof. A. J. Ewart, Past and Future Development of Botanical Science; *N (Physiology and Experimental Biology)*, Prof. W. A. Osborne, The Study of the Reflex.

AUGUST 26.

MEDICAL WOMEN'S INTERNATIONAL ASSOCIATION (at Prague): Discussions on Tuberculosis and Pregnancy; Women Police-surgeons.