

Aeronautical Research Committee: Reports and Memoranda. No. 1001 (Ae. 242): The Spinning of Aeroplanes. By S. E. Gates and L. W. Bryant. Pp. iv+128+67 plates. 6s. 6d. net. No. 1066 (Ae. 248): Wind Tunnel Experiments on a Symmetrical Aerofoil (Gottingen 429 Section). By C. N. H. Lock, H. C. H. Townsend and A. G. Gadd. (A.3.t. Autogyros, Helicopters and Rotors, 3; A.3.a. Aerofoils-General, 169.—T, 2349.) Pp. 20+6 plates. 1s. net. (London: H. M. Stationery Office.)

Journal of the Royal Statistical Society. Vol. 90, Part 3. Pp. x+439-685. (London.) 7s. 6d.

Transactions of the Royal Society of Edinburgh. Vol. 55, Part 2, No. 15: On the Feeding Mechanism of *Nebalia Bipes*. By Prof. H. Graham Cannon. Pp. 356-369. 2s. Vol. 55, Part 2, No. 17: The Geology of Gigha. By W. J. McCallien. Pp. 395-409+1 plate. 2s. 6d. (Edinburgh: Robert Grant and Son; London: Williams and Norgate, Ltd.)

The Cordwainers Technical College, Eagle Court, St. John's Lane, E.C.1. Prospectus of Classes in Boot and Shoe Manufacture and Making, and Leather Goods Manufacture. Day and Evening Classes, Session 1927-8, Pp. 42. (London.)

City of Norwich. The Report of the Castle Museum Committee to the Council, 1926. Pp. 26. (Norwich.)

British Museum (Natural History). Picture Postcards. Set C19: British Game-Birds, Series No. 1. 5 cards in colour. (London: British Museum (Natural History).) 1s.

Forestry: the Journal of the Society of Foresters of Great Britain. Edited by H. M. Steven. Vol. 1, No. 1. Pp. 130. (London: Oxford University Press.) 7s. 6d.

The Journal of the Textile Institute. Vol. 18, July, Special Issue. Official Record of the Annual Conference of the Textile Institute, held at Bolton, 7th, 8th and 9th June 1927, in association with the Samuel Crompton Centenary Celebrations. Pp. 156+xx. (Manchester.) To members, 2s. 6d.; to non-members, 5s.

The Scientific Proceedings of the Royal Dublin Society. Vol. 18 (N.S.), No. 39: Report of the Irish Radium Committee for the Year 1926. By Dr. Walter C. Stevenson and Maurice R. J. Hayes. Pp. 448-476. 3s. Vol. 18 (N.S.), No. 40: Inhibition of Pollen Growth by Living Tissue Extracts. By P. O'Connor. Pp. 477-484. 6d. Vol. 18 (N.S.), No. 41: Lord Morton's Quagga-Horse Hybrid; was it a Hybrid? By James Wilson. Pp. 485-487. 6d. Vol. 18 (N.S.), No. 42: A Modified Micro-Method for the Determination of Molecular Weights. By Dr. J. Reilly and G. T. Pyne. Pp. 489-493. 6d. (Dublin: Hodges, Figgis and Co.; London: Williams and Norgate, Ltd.)

Union of South Africa: Department of Agriculture. Bulletin No. 14: The Sweet-Potato Weevil (*Cylas formicivorus*, F.). By C. P. Van der Merwe. Pp. 10. Reprint No. 18: Farm-Yard Manure. By Dr. J. J. Theron. (Division of Chemistry Series No. 78.) Pp. 5. (Pretoria: Government Printing and Stationery Office.)

Transactions of the Royal Society of Edinburgh. Vol. 55, Part 2, No. 16: Air-Bladder and Lungs, a Contribution to the Morphology of the Air-Bladder of Fish. By Frances M. Ballantyne. Pp. 371-394. (Edinburgh: Robert Grant and Son; London: Williams and Norgate, Ltd.) 3s.

## FOREIGN.

Department of the Interior: U.S. Geological Survey. Bulletin 786-B: Geology of the Cat Creek and Devils Basin Oil Fields and Adjacent Areas in Montana. By Frank Reeves. (Contributions to Economic Geology, 1926, Part 2.) Pp. iv+39-98. (Washington, D.C.: Government Printing Office.) 30 cents.

Department of the Interior: U.S. Geological Survey. Water-Supply Paper 557: Large Springs in the United States. By Oscar Edward Meinzer. Pp. vii+94+17 plates. 30 cents. Water-Supply Paper 584: Surface Water Supply of the United States, 1924. Part 4: St. Lawrence River Basin. Pp. v+147+8 plates. 20 cents. Water-Supply Paper 596-A: Methods of Exploring and Repairing Leaky Artesian Wells. Papers by John McCombs and Albert G. Fiedler. (Contributions to the Hydrology of the United States, 1927.) Pp. ii+32+5 plates. 15 cents. (Washington, D.C.: Government Printing Office.)

Smithsonian Institution: United States National Museum. Contributions from the United States National Herbarium. Vol. 24, Part 8: The Grasses of Ecuador, Peru and Bolivia. By A. S. Hitchcock. Pp. v+291-556+vii-xx. (Washington, D.C.: Government Printing Office.) 45 cents.

Department of Commerce: Bureau of Standards. Scientific Papers of the Bureau of Standards, No. 548: Wave-length Measurements in the Arc and Spark Spectra of Zirconium. By C. C. Kiess. Pp. 47-60. 5 cents. Scientific Papers of the Bureau of Standards, No. 549: Wave-length Measurements in the Arc Spectrum of Scandium. By William F. Meggers. Pp. 61-71. 5 cents. (Washington, D.C.: Government Printing Office.)

Proceedings of the Imperial Academy. Vol. 3, No. 4, April. Pp. viix+195-246. (Tokyo.)

Schweizerische Meteorologische Zentralanstalt. Rapport de la Réunion de la Commission Internationale de Radiation solaire tenue a Davos les 31 août, 1er et 2 septembre 1925. Pp. 12. (Zürich.)

Zentralanstalt für Meteorologie und Geodynamik. Publikation Nr. 130: Bericht über die 12 Versammlung des Internationalen Meteorologischen Komitees in Wien, September 1926. Pp. 54. (Wien.)

Smithsonian Miscellaneous Collections. Vol. 80, No. 1: Morphology and Mechanism of the Insect Thorax. By R. E. Snodgrass. (Publication 2915.) Pp. 108. (Washington, D.C.: Smithsonian Institution.)

Det Kgl. Danske Videnskaberne Selskab: Matematisk-fysiske Meddelelser. Bind 7, Nr. 15: The Hot-Wire Manometer. By Martin Knudsen. Pp. 18. 0.80 kr. Bind 8, Nr. 3: Thermal Molecular Pressure in Tubes. By Martin Knudsen. Pp. 35. 1.50 kr. (København: Andr. Fred. Høst and Søn.)

Proceedings of the Academy of Natural Sciences of Philadelphia, Vol. 79. On Arfvedsonite, Riebeckite and Crocidolite from Greenland, by Samuel G. Gordon; The Probable Identity of Gageite with Tephroite, by Samuel G. Gordon. Pp. 193-208. On some North American Vaginulidae, by Dr. Hans Hoffmann. Pp. 209-221. Minute Mexican Land Snails, by H. Burrington Baker. Pp. 223-246+plates 15-20. (Philadelphia, Pa.)

Mellon Institute of Industrial Research of the University of Pittsburgh. Bibliographic Series, Bulletin No. 2: A List of the Books, Bulletins, Journal Contributions, and Patents by Members of Mellon Institute of Industrial Research, 1911-1927. By Lois Heaton. Pp. v+80. (Pittsburgh, Pa.)

Report of the Danish Biological Station to the Board of Agriculture, 32, 1926: On the Renewal of the Stock of Plaice in the Baltic Region. By H. Blegvad. Edited by Dr. C. G. Joh. Petersen. Pp. 37. 33, 1927: On the Fluctuations in the Quantity of Young Fry among Plaice and certain other Species of Fish, and Causes of the Same, by A. C. Johansen; On a Spawning Place for Winter Spawning Herring in the Northern Part of the Baltic Sea, by A. C. Johansen; On the Annual Fluctuations in the Age-Composition of the Stock of Plaice—Investigations from the Danish Biological Station, 1923-26, by H. Blegvad; Studies on the Biology of the Oyster (*Ostrea edulis*), 11-1v, by R. Sparck. Edited by Dr. A. C. Johansen. Pp. 65. (Copenhagen: G. E. C. Gad.)

Hamburger Sternwarte in Bergedorf. Präzessions-Tafeln 1925-0 berechnet mit Newcombs Wert der Präzessions-Konstante nebst Tafeln der Besselschen Sternkonstanten. Herausgegeben von Richard Storr. Pp. vii+196. (Bergedorf.)

## CATALOGUES.

Bulletin No. 86: The New Radiological Department, Royal Infirmary, Edinburgh. Pp. 40. (London: Watson and Sons (Electro-Medical) Ltd.)

Leaflet 2051: Siemens Auto Alarm Device. Pp. 2. (London: Siemens Brothers & Co., Ltd.)

## Diary of Societies.

## CONGRESSES.

## EMPIRE MINING AND METALLURGICAL CONGRESS.

Montreal Meetings, August 22 and 23.—Sir Thomas Holland: Proposed Review of the Mineral Resources of the Empire.—G. M. Carrie and C. S. Pascoe: Magnesia Refractories for Steel Furnaces.—A. Stansfield: Smelting Titaniferous Iron Ores.—W. A. Tooley: Portland Cement in Canada.—Mining and Metallurgical Practice in Australia.—Health Safety Problems.

Toronto Meetings, August 25 and 26.—C. Johnson: Winning and Refining of Precious Metals from Sudbury Ores.—R. C. Stanley: Nickel, Past and Present.—A. A. Cole: The Silver Mining Industry of Canada.—J. G. Morrow: The Cascade Method of Pouring Steel.—A. Mavrogordato and H. Pirow: Deep Level Mining and High Temperatures.

Winnipeg Meeting, September 3.—G. E. Cole: The Development of Gold Mining in Canada.—W. A. Quince: Methods of Eliminating Barren Rock from Ore at the Sub-Nigel Mine.—C. R. Davis, J. L. Willey, and S. E. T. Ewing: Notes on the Operation of the Reduction Plant at West Springs, Ltd.—E. J. Laschinger: A New Form of Air Meter and the Measurement of Compressed Air.

Vancouver Meeting, September 14.—C. P. Browning: Canadian Copper and its Production.—F. J. Alcock and T. W. Bigay: Lead and Zinc in Canada.—C. J. N. Jourdan: A Brief Review of the Principal Base Metal and Base Mineral Resources of the Union of South Africa.—R. Craib: Dewatering the Lower Levels of the Simmer and Jack Mines, Ltd.—W. S. Robinson: Manufacture of Sulphuric Acid by the Contact Process. From Zinc Blends Roaster Gases.

Edmonton Meeting, September 20.—R. Strachan, W. J. Dick, and R. J. Lee: The Coal Industry in Western Canada.—J. Ness: Petroleum in Canada.—A. Docquier, L. Bataille, and R. Beestelstone: A Combination of the Baum, the Draper, and the Froth Flotation Systems as applied to the Washing of Coal at the Linsi Mine of the Kailan Mining Administration, North China.—A. H. Cameron: Impact Resistance of Steel at Low Temperatures.

Quebec Meetings, September 5 and 26.—J. G. Ross: Asbestos Mining and Milling.—A. W. Nash: Possible Auxiliary Sources of Liquid Fuel.—A. Job: The Sinking and Equipment of the Ventilation Shaft of the Government Gold-Mining Areas.—G. W. Sharp: The Tipping and Guiding of Vertical Ships.—P. M. Newhall and L. Pryce: Improvements in Drilling Efficiency with Jack-Hammers.

Sydney Meetings, September 9 and 10.—F. W. Gray: Mining Coal Under the Sea in Nova Scotia.—Sir Robert Hadfield: The Metal Manganese and its Properties; also, the Production of Ferro-Manganese and its History.—Raw Materials for the Iron and Steel Industry in India.—B. Vaynske: The Manufacture of Steel in India, by the Duplex Process.

## SEPTEMBER 1-4.

SCHWEIZERISCHE NATURFORSCHENDE GESELLSCHAFT (at Basel) (in 14 Sections).—Presidential Address by Dr. F. Sarasin.—Lectures on, respectively, The Causes and Factors of Morphogenesis, by Prof. A. Brachet; Recent Work and Views in Astronomy, by Prof. L. Courvoisier; The Urals from the Point of View of Geophysics, Geology, and Mining, by Prof. L. Duparic; Paracelsus in Relation to Modern Thought, by Prof. H. E. Sigerist.

## SEPTEMBER 8-10.

INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS (at Prague).

## SEPTEMBER 4-9.

INTERNATIONAL CONGRESS OF ZOOLOGY (at Budapest).

## SEPTEMBER 11-17.

INTERNATIONAL CONGRESS OF PHYSICS IN COMMEMORATION OF THE CENTENARY OF VOLTA (at Como).

## SEPTEMBER 11-18.

INTERNATIONAL CONGRESS OF GENETICS (at Berlin).

## SEPTEMBER 18-OCTOBER 3.

INTERNATIONAL CONGRESS OF THEORETICAL AND APPLIED LIMNOLOGY (at Rome).