

Apia Observatory, Apia, Samoa. Upper Air Observations, 1923-1924. By Andrew Thomson. Pp. 31. (Apia.)

Cawthron Lectures, Vol. 2. No. 1: The Geology of Nelson, by Dr. P. Marshall; No. 2: The Coming of the Maori, by Te Rangī Hiroa. Pp. 56+19 plates. (Nelson, N.Z.: Cawthron Institute.)

Smithsonian Institution: United States National Museum. Bulletin 129: The Spider Crabs of America. By Mary J. Rathbun. Pp. xx+613+283 plates. (Washington: Government Printing Office.) 2 dollars.

Smithsonian Miscellaneous Collections. Vol. 77, No. 4: An Introduction to the Morphology and Classification of the Foraminifera. By Joseph A. Cushman. (Publication 2824.) Pp. 77+16 plates. (Washington: Smithsonian Institution.)

Catalogue of the Ceramic Library, Central School of Science and Technology, Stoke-on-Trent; including the Solon Library, the Ceramic Society's Library, and the Library of the Pottery Department of the School. Pp. iv+228. (Stoke-on-Trent.)

Annual Report of the Meteorological Observatory of the Government-General of Chosen for the Year 1924. Pp. iv+4+143. (Zinsen.)

The Calendar of the London School of Economics and Political Science (University of London) for the Thirty-first Session, 1925-26. Pp. 293+xxv. (London: Houghton Street, Aldwych.) 3s. 6d.

Aeronautical Research Committee. Reports and Memoranda, No. 932 (Ae. 153): Experiments on a Model of a Bristol Fighter Aeroplane (1/10th scale). Section 1: Force and Moment Measurements at various Angles of Yaw. By H. B. Irving and A. S. Batson. Section 2: Lateral Derivatives by the Forced Oscillation Method. By R. A. Fraser, A. S. Batson and A. C. Gadd. (A.3.g. Complete Models, 53-T. 1930.) Pp. 40+14 plates. 2s. net. Reports and Memoranda, No. 939 (M. 28): A Method of Improving the Properties of Aluminium Alloy Castings. By S. L. Archbutt. Pp. 10+4 plates. 1s. net. (London: H.M. Stationery Office.)

Cornell University: Agricultural Experiment Station. Bulletin 427: Farm Motor Trucks in New York. By V. B. Hart. Pp. 56. Bulletin 428: The Clover-Seed Caterpillar. By Lawrence Paul Wehrle. Pp. 34. Bulletin 430: An Economic Study of Rural Store Credit in New York. By Leland Spencer. Pp. 47. Bulletin 431: The Cost of Living in a small Factory Town. By Clarence Vernon Noble. Pp. 70. Bulletin 432: An Economic Study of Dairying on 183 Farms in Herkimer County, New York. By E. G. Misner. Pp. 59. Bulletin 433: Economic Studies of Dairy Farming in New York. 2: Grade A Milk with and without Cash Crops. By E. G. Misner. Pp. 147. Bulletin 434: Experiments in Crop Rotation and Fertilization. By R. G. Wiggins. Pp. 56. Bulletin 435: The Organization and Development of Co-operative Fire Insurance Companies in New York. By R. W. Bartlett. Pp. 36. Bulletin 436: Results of Experiments with Oats in New York. By H. H. Love and W. T. Craig. Pp. 24. Bulletin 437: Feeding Work Horses. By M. W. Harper. Pp. 59. Bulletin 438: Economic Studies of Dairy Farming. 3: Grade B Milk with Alfalfa Roughage. By E. G. Misner. Pp. 104. (Ithaca, N.Y.)

Cornell University: Agricultural Experiment Station. Memoir 76: Effect of the Process of Manufacture on the Germ Content of Bulk Condensed Milk. By Harrison A. Ruehle. Pp. 18. Memoir 77: A Systematic Study of the Anthonomyiinae of New York, with Special Reference to the Male and Female Genitalia. By H. C. Huckett. Pp. 91. Memoir 78: A Study of the Leaf-Mining Diptera of North America. By S. W. Frost. Pp. 228. Memoir 79: A Biological Study of *Aphelinus malvæ* Hald., a Parasite of the Woolly Apple Aphid, *Eriosoma lanigerum* Hausm. By Arnold E. Lundie. Pp. 27. Memoir 80: The Cicadellidae of the Vicinity of Ithaca, New York, with Special Reference to the structure of the Gonapophyses. By John L. Buys. Pp. 115. Memoir 81: Some Effects of Freezing on Mature Fruits of the Apple. By D. B. Carrick. Pp. 54. Memoir 82: Inheritance of Xantha Seedlings in Maize. By Helen Trajkovich. Pp. 13. Memoir 83: The Inheritance of Brown Aleurone in Maize. By Paul Kvakan. Pp. 22. Memoir 84: Genetic Relations of Five Factor Pairs for Virulent Seedlings in Maize. By M. Demerec. Pp. 33. Memoir 85: Wire Stem of Cabbage. By Levi Otto Gratz. Pp. 60+7 plates. Memoir 86: A Study of the Dietary Relationships and the Pathology of "Stiffness" in Swine. By L. A. Maynard, S. A. Goldberg and R. C. Miller. Pp. 34. Memoir 87: Studies in the Transplanting of Vegetable Plants. By W. E. Loomis. Pp. 63. Memoir 88: The Take-All Disease of Cereals and Grasses caused by *Ophiobolus caryzæ* (Berkeley and Broome) Saccardo. By Robert S. Kirby. Pp. 45. Memoir 89: The Gray Bulb-rot of Tulips caused by *Rhizoctonia tuliparum* (Kleb.) N. Comb. By H. H. Whetzel and John M. Arthur. Pp. 18. Memoir 90: The Production of Volatile Fatty Acids in the Intestinal Tract of Calves fed Whole Milk or Cereal Gruel. By Leo Chandler Norris. Pp. 32. (Ithaca, N.Y.)

Bulletin of the Experiment Station of the Hawaiian Sugar Planters' Association. Agricultural and Chemical Series, Bulletin No. 49: The Influence of Aluminium, Manganese and Iron Salts upon the Growth of Sugar Cane, and their Relation to the Infertility of Acid Island Soils. By W. T. McGeorge. Pp. v+95. (Honolulu, Hawaii.)

Birkbeck College (University of London). The Calendar for the Year 1925-26 (103rd Session). Pp. 16+204. (London.)

Department of Scientific and Industrial Research. Summary of Progress of the Geological Survey of Great Britain and the Museum of Practical Geology for the Year 1924; with Report of the Geological Survey Board and Report of the Director. Pp. iv+154. (London: H.M. Stationery Office.) 2s. 6d. net.

Forest Bulletin No. 62 (Silviculture Series): Preliminary Yield Table for *Dalbergia sissoo*. By S. H. Howard. Pp. 6. (Calcutta: Government of India Central Publication Branch.) 2 annas; 3d.

Koninklijk Magnetisch en Meteorologisch Observatorium te Batavia. Verhandelingen No. 15: Uitbreiding van regenbuien te Batavia (Extension of Rainshowers at Batavia). Door Dr. J. Boerema. Pp. ii+54. (Wetvevreden: Albrecht and Co.)

Conseil Permanent International pour l'Exploration de la Mer. Bulletin Hydrographique pour l'année 1924. Pp. 54. (Copenhague: Andr. Fred. Høst et fils.)

Memoirs of the Indian Museum. Vol. 8, No. 3: Anatomy of the common Indian Apple-Snail, *Pila globosa*. By Dr. B. Prasad. Pp. 91-154+plates 16-18. (Calcutta: Zoological Survey of India.) 3.8 rupees.

Lunacy and Mental Deficiency. The Eleventh Annual Report of the Board of Control for the Year 1924. Pp. iv+454. (London: H.M. Stationery Office.) 12s. 6d. net.

Diary of Societies.

SATURDAY, OCTOBER 3.

INSTITUTE OF MUNICIPAL AND COUNTY ENGINEERS (Joint Meeting of the North-Western and Yorkshire Districts) (at Todmorden), at 2.30.—R. H. Matlocks, R. Bruce, and others: Discussion on Regional Town Planning.

SMOKE ABATEMENT LEAGUE OF GREAT BRITAIN (at Buxton).—Conference on Smoke Abatement.

SUNDAY, OCTOBER 4.

SMOKE ABATEMENT LEAGUE OF GREAT BRITAIN (at Buxton).—Conference on Smoke Abatement.

MONDAY, OCTOBER 5.

SOCIETY OF ENGINEERS (at Geological Society), at 5.30.—Major V. A. M. Robertson: Bridges: their Renewal in England and France during the Great War.

JUNIOR INSTITUTION OF ENGINEERS (North-Western Section) (at 16 St. Mary's Parsonage, Manchester), at 7.30.—J. D. Porteous: Responsibility.

SMOKE ABATEMENT LEAGUE OF GREAT BRITAIN (at Buxton).—Conference on Smoke Abatement.

TUESDAY, OCTOBER 6.

ROYAL SOCIETY OF MEDICINE (Orthopaedics Section), at 5.30.—A. S. Blundell Bankart: The Physiology of Muscular Action (Presidential Address).

INSTITUTE OF HEATING AND VENTILATING ENGINEERS (at Caxton Hall, Westminster), at 7.—E. Ower: Practical Measurement of Air Flow.

INSTITUTE OF METALS (Birmingham Local Section) (at Chamber of Commerce), at 7.—Dr. F. Johnson: Some Phases of Life in India.

ROYAL PHOTOGRAPHIC SOCIETY, at 7.—J. D. Johnston: In Search of the Picturesque (Lecture).

INSTITUTE OF METALS (North-East Coast Local Section) (at Armstrong College, Newcastle-on-Tyne), at 7.30.—H. J. Young: Chairman's Address.

INSTITUTION OF AUTOMOBILE ENGINEERS (at Royal Automobile Club), at 8.—K. Thomas: The Automobile Engineer (Presidential Address).

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.15.—Dr. G. Róheim: Hungarian Calendar Customs.

INSTITUTION OF ENGINEERS AND SHIPBUILDERS IN SCOTLAND (Glasgow). LIVERPOOL PSYCHOLOGICAL SOCIETY (at Liverpool University).—G. C. Field: Inaugural Presidential Address.

WEDNESDAY, OCTOBER 7.

SOCIETY OF PUBLIC ANALYSTS AND OTHER ANALYTICAL CHEMISTS (at Chemical Society), at 8.—Investigations into the Analytical Chemistry of Tantalum, Niobium, and their Mineral Associates.—A. R. Powell and Dr. W. R. Schoeller: III.—A New Method for the Separation of Tantalum from Niobium; IV.—The Detection and Determination of Tantalum in Niobium Compounds.—Dr. H. B. Dunicliff: The Determination of Sulphates in Gun cotton.—C. O. Harvey: The Reduction of Chloric Acid and Chlorates by Ferrous Sulphate.

ENTOMOLOGICAL SOCIETY OF LONDON, at 8.

THURSDAY, OCTOBER 8.

INSTITUTE OF METALS (London Local Section) (at Institute of Marine Engineers, 85-88 The Minories), at 7.30.—Dr. J. L. Haughton: Chairman's Address.

OIL AND COLOUR CHEMISTS' ASSOCIATION (at 8 St. Martin's Place, W.C.2), at 8.—Dr. H. H. Morgan: The Need for Research in the Oil and Colour Industry.

FRIDAY, OCTOBER 9.

JUNIOR INSTITUTION OF ENGINEERS (Informal Meeting), at 7.30.—Technical Questions and Discussions.

INSTITUTE OF METALS (Sheffield Local Section) (at Sheffield University), at 7.30.—F. Mason: Some Notes upon the Value of the Institute of Metals to the Local Industries (Chairman's Address).

SOCIETY OF CHEMICAL INDUSTRY (Chemical Engineering Group) (at Royal Society of Arts), at 8.—Dr. W. E. Gibbs: Aerosols in Industry.

ROYAL SOCIETY OF MEDICINE (Ophthalmology Section), at 8.30.—G. Glegg, G. H. Pooley, H. Lee, and —Goulden: Discussion on Penetrating Injuries of the Eye.

DIESEL ENGINE USERS' ASSOCIATION (at Caxton Hall, Westminster). E. M. Bailey: The Scottish Shale Oil Industry.

PUBLIC LECTURES.

WEDNESDAY, OCTOBER 7.

UNIVERSITY COLLEGE, at 5.30.—Prof. F. Weigert: The Photochemistry of Vision.—At 7.—A. H. Barker: The Heating Equipment of a Large Hospital.

THURSDAY, OCTOBER 8.

UNIVERSITY COLLEGE, at 2.30.—Sir Flinders Petrie: The Making of Egypt.—At 5.15.—Dr. T. G. Pinches: Recent Discoveries in Babylonia. (Succeeding Lectures on October 15 and 22.)

KING'S COLLEGE, at 5.—Dr. C. Da Fano: The Histology of Nerve Tissues and Paths of Conduction in the Central Nervous System. (Succeeding Lectures on October 15, 22, 29; November 5, 12, 19, 26; and December 3 and 10.)—At 5.30.—S. Smith: The Seals of Western Asia.

FRIDAY, OCTOBER 9.

BEDFORD COLLEGE FOR WOMEN, at 5.15.—Miss Hosgood: Caribbean Countries: some special-Geographical Problems.

SATURDAY, OCTOBER 10.

HORNMANN MUSEUM (Forest Hill), at 2.30.—Miss M. A. Murray: The Earliest Egyptians and their Remains.