

Giorgio Dal Piaz: The discovery of a supposed vein of post-glacial volcanic rock in the neighbourhood of Bressanone (Upper Adige).—Giuseppe Corbellini: A class of variety characterised by means of parallelism.—V. Hlavaty: Local parameters in a Riemann variety.—J. Soula: Functions defined by Dirichlet's series.—Oscar Zariski: The development of an algebraic function in a circle containing several critical points.—Filippo Burzio: Order of magnitude of quantities relative to the second ballistic problem. A formula for ballistic nutation.—A. Weinstein: Liquid jets with given walls.—Bruto Caldonazzo: An extension of Bernoulli's theorem. This theorem, which is valid for the stationary motion of a perfect fluid, is extended to meet certain cases of variable motion.—Mentore Maggini: Interferometric measurements on the four large satellites of Jupiter. Observations on the changes of figure and on the axial inclinations of these satellites are described.—Vasco Ronchi: Further concerning "flying shadows." D'Arturo's criticisms of the author's conclusions are refuted.—Franco Rasetti: The Doppler effect in sensitised fluorescence.—G. Wataghin: The ballistic hypothesis and the Doppler effect. The two treatments as yet known of the Doppler effect both lead to results unfavourable to the ballistic theory of this effect.—G. Natta and F. Schmid: Oxides and hydroxides of cobalt (ii). The crystalline structure of the saline oxide of cobalt. The oxide Co_3O_4 crystallises in the monometric system and is isomorphous with magnetite. The size of the elementary cell of the crystalline lattice, which is of the spinel type, is 8.02 \AA.U. and contains eight molecules. The density is calculated to be 6.21, which lies among the somewhat discordant experimental values.—E. Repposi and V. Gennaro: The minerals of the serpentine of Piossasco (Piedmont). The mineral species so far identified in this serpentine are ilmenite, magnetite, calcite, aragonite, diopside, granite, vesuvianite, chlorite, titanite, perovskite, apatite, and, probably, gavite.—Sabato Visco: The behaviour of the hepatic glycogen in fasting animals treated with insulin. The administration of insulin to fasting rabbits diminishes the loss in weight. The liver and spleen increase in weight, whereas the heart, kidneys, suprarenal capsules and lungs show slight and variable changes in weight. The amount of glycogen in the liver is increased very considerably by treating the fasting animal with insulin.

SYDNEY.

Linnean Society of New South Wales, August 25.—C. H. Anderson: A revision of certain Australian Rhenopodiaceae. The paper embodies a critical examination of the two species, *Bassia tricornis* (Benth.) F.v.M. and *Bassia enchylanoides* F.v.M. A new genus is proposed to take in one of the species, and the other is transferred to the genus *Kochia*.—E. Cheel: Notes on *Melaleuca pubescens* Schauer and *M. Preissiana* Schauer. The author's view is that *M. pubescens* Schauer has priority, that the Victorian plants are merely forms of *M. pubescens*, and that the Western Australian plants known as "Ironwood" are glabrous forms of the same species.—Rev. H. M. R. Rupp: Description of a new species of *Diuris* from Barrington Tops, N.S.W. The species described as new is closest to *D. spathulata*, from which it differs in its venation, more prominent lateral lobes of the labellum, and in its short and thick column.—A. M. Lea: On some Australian Curculionidae. The paper contains descriptions of two new genera and sixty-five new species, one of which belongs to *Rhinomacer*, a genus now first recorded as Australian.

Official Publications Received.

BRITISH AND COLONIAL.

- Aeronautical Research Committee: Reports and Memoranda. No. 1019 (Ae. 220): Note on a Hot-Wire Speed and Direction Meter. By L. F. G. Simmons and A. Bailey. (C. I. Accessories, Instruments, 90.—T. 2083.) Pp. 7+7 plates. 9d. net. No. 1027 (Ae. 225): Test of Two Aerofoils, R.A.F. 27 and R.A.F. 28. By A. S. Hartshorn and H. Davies. (A. 8. a. Aerofoils-General, 104.—T. 2257.) Pp. 10+6 plates. 9d. net. No. 1088 (M. 47): Report on the Accelerated Ageing of 'Y' Alloy. By S. L. Archbutt and J. D. Grogan. (B. I. a. Metals, 55.—T. 2251.) Pp. 10+4 plates. 9d. net. (London: H. M. Stationery Office.)
- South Australia. Department of Mines: Geological Survey of South Australia. Bulletin No. 12: Clay and Cement in South Australia. By R. Lockhart Jack. Pp. 120+4 plates. (Adelaide: R. E. E. Rogers.)
- Annual Report for the Year 1925 of the South African Institute for Medical Research, Johannesburg. Pp. 37+2 plates. (Johannesburg.)
- Development Commission. Sixteenth Report of the Development Commissioners for the Year ended the 31st March 1926. Pp. 157. (London: H. M. Stationery Office.) 3s. net.
- Our Heritage—The Empire: a Report on some Aspects of a Tour of the King's Overseas Dominions undertaken chiefly in the Interests of Empire Migration and Settlement, 1925-1926. By Commissioner David C. Lamb. Pp. 40. (London: The Salvation Army.)
- Report of the Progress of the Ordnance Survey for the Financial Year 1st April 1925, to 31st March 1926. Pp. 8+5 plates. (London: H. M. Stationery Office.) 3s. 6d. net.
- Transactions of the Leicester Literary and Philosophical Society, together with the Council's Report and the Reports of the Sections, 1925-26. Vol. 27. Pp. 66. (Leicester.)
- Smoke Abatement League of Great Britain. Seventh Report, covering the Nine Months October 1st, 1925, to June 30th, 1926. Pp. x+22. (Manchester.)
- British Museum (Natural History). Picture Postcards. Set C17: British Sea Birds, Series No. 1, Gulls. 5 cards in colour. Set C18: British Sea Birds, Series No. 2, Auks and Cormorants. 5 cards in colour. (London: British Museum (Natural History).) 1s. each set.

FOREIGN.

- Instituts scientifiques de Buitenzorg: "s Lands Plantentuin." Treubia: recueil de travaux zoologiques, hydrobiologiques et océanographiques. Vol. 7, Livraison 3, Septembre. Pp. 217-330. 2.50 f. Vol. 8, Livraison 3-4, Juillet. Pp. 199-512. 5.00 f. (Buitenzorg: Archipel Drukkerij.)

CATALOGUES.

- Microscopes and Accessories. Pp. 92. (London: C. Baker.)

Diary of Societies.

SATURDAY, NOVEMBER 13.

- ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Rev. E. M. Walker: The Study of History (2).
- PHYSIOLOGICAL SOCIETY (at the London School of Medicine for Women), at 4.—R. T. Grant: An Observation on the Function of the Pericardium. —A. Levin: Fatigue, Retention of Action Current and Recovery, in Nerves of the Spider Crab.—T. Lewis and H. M. Marvin: Herpes Zoster and Antidromic Impulses.—R. W. Gerard, Prof. A. V. Hill, and Y. Zotterman: Energy Liberation of Nerve as a Function of Frequency of Stimulation.—R. W. Gerard: The Two Phases of Nerve Heat Production.—M. Lowenfeld, S. T. Widdows, M. Bond, and E. Taylor: Variations in Composition of Early Human Milk and Factors Influencing Them.—D. Woodman, E. E. Hewer, and M. L. Keene: Time of Appearance of Digestive Enzymes in the Human Fœtus.—W. C. Collis, D. Rendel, and E. Dahl: Points in the Technique of the Ethyl Iodide Method.—Demonstrations by A. Levin: An Improved Device for Time-marking and Similar Purposes.—E. E. Hewer and M. F. L. Keene: Pineal and Choroid Plexus in the Human Fœtus.—G. Briscoe: Records of Different Types of Respiratory Movements.

MONDAY, NOVEMBER 15.

- ROYAL MEDICO-PSYCHOLOGICAL ASSOCIATION (at British Medical Association, Tavistock Square), at 4.—Dr. A. Adler: The Cause and Prevention of Neurosis.
- ROYAL GEOGRAPHICAL SOCIETY (at Lowther Lodge), at 5.—J. A. Steers: The East Anglian Coast.
- INSTITUTION OF ELECTRICAL ENGINEERS (Tees-Side Sub-Centre) (at Cleveland Technical Institute, Middlesbrough), at 7.—J. Rosen: Address.
- INSTITUTION OF AUTOMOBILE ENGINEERS (Scottish Centre) (at Royal Technical College, Glasgow), at 7.30.—J. E. Southcombe: Recent Research on Friction and Lubrication.
- ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 8.—H. V. Lanchester: Bridges and Traffic.
- ARISTOTELIAN SOCIETY (at University of London Club), at 8.—J. C. McKerrrow: Evolution and Contingency.
- ROYAL SOCIETY OF ARTS, at 8.—Prof. H. L. Callender: Recent Experiments on the Properties of Steam and High Pressures (Howard Lectures) (1).
- HUNTERIAN SOCIETY OF LONDON (in Cutlers' Hall, Warwick Lane, E.C.), at 8.45.—Sir Humphry Rolleston, Dr. G. Little, Dr. L. Williams, and others: Discussion on Medicine and the Press.

TUESDAY, NOVEMBER 16.

- ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Dr. G. W. C. Kaye: The Acoustics of Public Buildings (Tyndall Lectures) (3).
- ROYAL STATISTICAL SOCIETY (at Royal Society of Arts), at 5.15.—Viscount D'Abernon: German Currency: The Collapse and Recovery, 1920-1926 (Inaugural Address).
- ZOOLOGICAL SOCIETY OF LONDON, at 5.30.—Dr. G. D. Hale Carpenter: The Biology of *Glossina palpalis* in connexion with Sleeping Sickness.