

of the female. The metamorphosis is almost completely suppressed in another sponge-crab (*Cryptodromia octodentata*) and a third (*Platydromia thomsoni*) probably has a "direct" development.—**Ida A. Brown**: Geology of the Milton District. Within a radius of ten miles of Milton there are a number of outcrops of igneous rocks. An account is given of the albitisation and of the history of the intrusions.—**I. M. Mackerras**: The Nemestrinidæ (Diptera) of the Australasian region. Of the 40 specific names hitherto proposed, 22 are considered as valid and 2 cannot be placed; 1 genus, 16 species, 3 subspecies and 1 variety are described as new.—**E. W. Ferguson**: Description of a new species of Mycetophilidæ (Diptera) with luminous larvæ. A new species of Arachnocampa is described from Ida Bay Caves, Tasmania.—**L. Harrison and Hazel C. Weekes**: On the occurrence of placentation in the scincid lizard, *Lygosoma entrecasteauxi*. The occurrence of true placentation in two not very closely related scincid lizards, *Lygosoma* and *Chalcides*, in Australia and Europe respectively, indicates that the allantoplacenta is a functional adaptation which may have arisen independently many times in evolution, and upon the mere occurrence of which phylogenetic statements cannot justifiably be based. A consideration of reptilian placentation suggests three stages, chorio-placenta, omphaloplacenta and allantoplacenta arising in that serial order, both in ontogeny and phylogeny.—**W. J. Phillipps and F. J. T. Grigg**: The salinity of inshore oceanic waters of Australasia in relation to fishes.

Official Publications Received.

The Indian Forest Records, Vol. 11, Part 10 (Economy Series): Notes on the Antiseptic Treatment of Assam Timbers for Railway Sleepers. By J. H. Warr; assisted by S. Kamesam. Pp. iv+106. (Calcutta: Government of India Central Publication Branch.) 1.14 rupees; 8s. 3d.

Meteorological Office: Air Ministry. Advisory Committee on Atmospheric Pollution: Report on Observations in the Year ending March 31st, 1925. Forming the Eleventh Report of the Committee for the Investigation of Atmospheric Pollution. (M.O. 280.) Pp. 46. (London: H.M. Stationery Office.) 5s. 6d. net.

Madras Fisheries Department. The Fishing Methods of the Madras Presidency. By James Hornell. Part 1: The Coromandel Coast. (Report No. 2 of 1924, Madras Fisheries Bulletin, Vol. 18.) Pp. 59-110. (Madras: Government Press.) 12 annas.

Society for the Provision of Birth Control Clinics. Annual Report 1924-1925. Pp. 14. (London: 153a East Street, S.E.17.)

Dove Marine Laboratory, Cullercoats, Northumberland. Report for the Year ending June 30th, 1925. (New Series 14.) Edited by Prof. Alexander Meek. Pp. 58. (Cullercoats.)

Leeds University. Report to the Worshipful Company of Clothworkers of the City of London of the Advisory Committee on the Departments of Textile Industries and Colour Chemistry and Dyeing, during the Session 1924-25. Pp. 16. (Leeds.)

University of California Publications in American Archaeology and Ethnology. Vol. 17, No. 7: Archaic Culture Horizons in the Valley of Mexico. By A. L. Kroeber. Pp. 873-408+1 plate. (Berkeley, Calif.: University of California Press.) 45 cents.

Smithsonian Institution: United States National Museum. Contributions from the United States National Herbarium. Vol. 24, Part 7: The North American Species of *Stipa*; Synopsis of the South American Species of *Stipa*. By A. S. Hitchcock. Pp. xi+215-289. (Washington: Government Printing Office.) 15 cents.

Department of the Interior: Bureau of Education. Bulletin, 1925, No. 17: Professional Staff of State Departments of Education. By Arthur Wesley Ferguson. Pp. iv+64. (Washington: Government Printing Office.) 10 cents.

The Physical Society of London. Proceedings, Vol. 33, Part 1, December 15. Pp. 92. (London: Fleetway Press, Ltd.) 6s. net.

Transactions of the Royal Scottish Arboricultural Society. Vol. 39, Part 2, October. Pp. 89-218+31-39. (Edinburgh.) 3s.

Bernice P. Bishop Museum. Bulletin 15: Samoan House Building, Cooking and Tattooing. By E. S. Craighill Handy and Willowdean Chatterton Handy. Pp. 26+7 plates. Bulletin 16: Juan Fernandez and Hawaii, a Phytogeographical Discussion. By C. Skottsberg. Pp. 47. Bulletin 17: Music in the Marquesas Islands. By E. S. Craighill Handy and Jane Lathrop Winne. Pp. 51. Bulletin 18: String Figures from the Marquesas and Society Islands. By Willowdean Chatterton Handy. Pp. 92+4 plates. Bulletin 19: Hawaiian Fungi. By Frank Lincoln Stevens. Pp. 189+10 plates. Bulletin 20: Tropical Cyclones of the Pacific. By Stephen Sargent Visher. Pp. 163. Bulletin 21: Report of the Director for 1924. By Herbert E. Gregory. Pp. 55. Bulletin 22: Fishes of Guam, Hawaii, Samoa and Tahiti. By Henry W. Fowler. Pp. 38. Bulletin 23: Archaeology of the Marquesas Islands. By Ralph Linton. (Bayard Dominick Expedition, Publication No. 10.) Pp. 187+15 plates. (Honolulu, Hawaii.)

Imperial Department of Agriculture for the West Indies. Report on the Agricultural Department, St. Vincent, for the Year 1924. Pp. iv+46. (Trinidad.) 6d.

National Museum of Wales. Eighteenth Annual Report, 1924-25, presented by the Council to the Court of Governors on the 23rd October 1925. Pp. 42+7 plates. (Cardiff.)

Diary of Societies and Public Lectures.

SATURDAY, JANUARY 16.

SCOTTISH JUNIOR GAS ASSOCIATION (at Royal Technical College, Glasgow), at 7.—D. Garrie: Paper.

MONDAY, JANUARY 18.

ROYAL GEOGRAPHICAL SOCIETY (at Lowther Lodge), at 5.—The New Photo-Theodolite of Mr. A. Wild (Report and Discussion).

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Sir Arthur Keith: Fossil Remains of Ape and Man: (1) The Anatomical Characters of the Galilee Skull.

FARADAY SOCIETY (at Chemical Society), at 5.30.—B. B. Banerji: The Electrode Capacity and Resistance of Electrolytes for a Wide Range of Frequencies.—J. A. V. Butler, W. E. Hugh, and D. H. Hey: The Effect of the Electrode Material on Oxidation Potentials.—R. E. W. Maddison: The Electromotive Behaviour of Cupric Oxide.—A. Highfield: The Colloidal Properties of Nitrocellulose Sols in Mixed Solvents.—E. P. Perinan and T. Lovett: Vapour Pressure and Heat of Dilution of Aqueous Solutions. Part I. (a) Vapour Pressure of Aqueous Solutions of Urea; (b) Heat of Dilution of Aqueous Solutions of Urea.—W. Taylor: A Note on Kinetic Activation as a Factor in Gas Reactions.

INSTITUTION OF AUTOMOBILE ENGINEERS (Loughborough Graduates' Meeting) (at the College, Loughborough), at 7.—C. Legge: Sparking Plugs.

INSTITUTION OF ELECTRICAL ENGINEERS (Teesside Sub-Centre) (at Cleveland Technical Institute, Middlesbrough), at 7.15.—E. E. Dunn, W. S. Ramsdale, and others: Informal Discussion on The Isolation, Location, and Repairs of Faults.

JUNIOR INSTITUTION OF ENGINEERS (North-Western Centre) (at 16 St. Mary's Parsonage, Manchester), at 7.15.—W. D. Adamson: The Importance of the Selling Aspect of Production Planning.

INSTITUTION OF AUTOMOBILE ENGINEERS (Scottish Centre) (at Royal Technical College, Glasgow), at 7.30.—J. D. Parkes: Logic applied to Failures.

INSTITUTION OF ELECTRICAL ENGINEERS (Mersey and North Wales (Liverpool) Centre) (at Liverpool University), at 7.30.—A. P. Trotter: Illumination and Light (Faraday Lecture).

ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 8.—Award of Prizes and Studentships.

ROYAL SOCIETY OF ARTS, at 8.—H. P. Shapland: The Decoration of Furniture (Cantor Lectures) (1).

ARISTOTELIAN SOCIETY (at University of London Club), at 8.—Dr. F. W. Thomas: Conventional Existence.

CHEMICAL INDUSTRY CLUB.

INSTITUTE OF CHEMISTRY (Manchester and District Section) (at Manchester).—C. Hollins and others: Discussion: Chemical Nomenclature.

TUESDAY, JANUARY 19.

ROYAL ANTHROPOLOGICAL INSTITUTE (Edinburgh and the Lothians Branch) (at Synod Hall, Edinburgh), at 5.—Dr. J. Ritchie: The Arrival of Man in Scotland.

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Prof. J. A. Crowther: X-rays and Living Matter (1).

ROYAL STATISTICAL SOCIETY (at Royal Society of Arts), at 5.15.—R. J. Thompson: The Productivity of British and Danish Farming.

ROYAL SOCIETY OF MEDICINE, at 5.30.—General Meeting.

MINERALOGICAL SOCIETY (at Geological Society), at 5.30.—Dr. C. E. Tilley: Some Mineralogical Transformations in Crystalline Schists.—Dr. A. Brammall: Gold and Silver in the Dartmoor Granite.—A. H. Halli-mond: On the Chemical Classification of the Mica Group. II. The Basic Micæ.—G. Greenwood: The Construction and Use of an X-ray Goniometer.

INSTITUTE OF MARINE ENGINEERS, at 6.30.—W. Blane: Poetry and the Engineer.

INSTITUTION OF ELECTRICAL ENGINEERS (East Midland Sub-Centre) (at Loughborough College), at 6.45.—A. B. Mallison: Justifiable Small Power Plants.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN (Scientific and Technical Group), at 7.—W. D. Baldsiefen, F. F. Renwick, and Dr. V. B. Sease: Silver Iodide in Photographic Emulsions.

INSTITUTION OF AUTOMOBILE ENGINEERS (Coventry Graduates' Meeting) (at Coventry), at 7.15.—E. W. Sisman: The Straight Eight Engine.

SOCIETY OF CHEMICAL INDUSTRY (Birmingham and Midland Section) (at Birmingham University), at 7.15.—B. D. Porritt: Early Days of the Rubber Industry.

INSTITUTION OF AUTOMOBILE ENGINEERS (Wolverhampton Centre) (at Wolverhampton), at 7.30.—H. Briggs: The Elimination of Noise in the Motor Cycle.

INSTITUTION OF ELECTRICAL ENGINEERS (North-Western Centre) (at College of Technology, Manchester), at 7.30.—A. P. Trotter: Illumination and Light (Faraday Lecture).

INSTITUTE OF METALS (North-East Coast Local Section) (at Armstrong College, Newcastle-on-Tyne), at 7.30.—Prof. F. C. Thompson: The Principles which Govern the Heat Treatment of Non-Ferrous Alloys.

NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS (Middlesbrough Branch) (at Cleveland Scientific and Technical Institute, Middlesbrough), at 7.30.—S. E. Burgess: Public Works and Housing at Middlesbrough.

ROYAL ANTHROPOLOGICAL INSTITUTE (Indian Section), at 8.15.—Discussion on Periods in Indian History.