

frequency is obtained. A description of the physiological effects produced by these rectified high frequency currents is given.

SYDNEY.

Linnean Society of New South Wales, October 28.—**W. W. Froggatt:** Notes on Australian Coccidæ with descriptions of new species. Descriptions of three species of Lecanium as new. They were found in cavities in branches or trunks of forest trees. As the inner surfaces of these cavities are hard, dry, and sapless, the larvæ apparently develop into adult females with very little moisture or apparent food.—**May M. Williams:** The anatomy of *Lindsaya linearis* and *L. microphylla*. The apices of the rhizome, leaf, and root of both forms are of the normal leptosporangiate type. The petiolar bundle forms a single strand containing three protoxylem groups, two of which are endarch in position; the third (median) group in *Lindsaya linearis* is exarch, but in *Lindsaya microphylla* occupies various positions at different levels of the petiole, these positions varying from exarch to endarch.—**A. M. Lea:** Descriptions of new species of Australian Coleoptera. Pt. xviii.—**W. F. Blakely:** Contributions to our knowledge of the flora of New South Wales. Four new species, one each of the genera *Grevillea*, *Tetratheca*, *Astrotricha*, and *Olearia*.—**R. J. Tillyard:** Two new species of silky lacewings (Fam. Psychopsidæ, Order Neuroptera Planipennia) from Australia. These bring the total of species described from Australia to twelve. One is from central Queensland and is nearest to *Psychopsis gracilis*, the other is from Roebourne, W.A.—**P. D. F. Murray:** A note on an unusual type of secreting epithelium in the Wolffian duct of the dog-fish (*Scylliorhinus canicula*). The epithelium is one or two cells thick, the cells being of low columnar form, and was noticed both in the vas deferens and in the vesiculum seminalis.

Diary of Societies.

SATURDAY, JANUARY 2.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Sir William Bragg: Old Trades and New Knowledge: (3) The Trade of the Weaver.

MONDAY, JANUARY 4.

ROYAL GEOGRAPHICAL SOCIETY (at Æolian Hall), at 3.30.—Mrs. Julia Henshaw: The Mountain Peaks of Canada (Christmas Lecture to Young People).

CHILD-STUDY SOCIETY (at University College), at 5.—W. S. Rowntree: The Childhood of the Race.

ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 8.—Sir C. Nicholson and Sir Francis Fox: Lincoln Cathedral.

ARISTOTELIAN SOCIETY (at University of London Club), at 8.—C. A. Richardson: Paper.

TUESDAY, JANUARY 5.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Sir William Bragg: Old Trades and New Knowledge: (4) The Trade of the Dyer.

OPTICAL SOCIETY AND PHYSICAL SOCIETY OF LONDON (at Imperial College of Science and Technology), Afternoon and Evening.—Exhibition of Electrical, Optical, and other Physical Apparatus.

INSTITUTION OF AUTOMOBILE ENGINEERS (at Royal Society of Arts), at 7.

INSTITUTION OF ELECTRICAL ENGINEERS (North-Western Centre) (at Engineers' Club, 17 Albert Square, Manchester), at 7.

INSTITUTE OF METALS (Birmingham Section) (at Chamber of Commerce, Birmingham), at 7.—O. F. Hudson: The Influence of Work and Annealing on Brass.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—F. C. Tilney: Form and Content in Pictorial Art.

HULL CHEMICAL AND ENGINEERING SOCIETY (at Grey Street, Hull), at 7.45.—A. Grounds: Fuel Economy in Steam Plants.

RÖNTGEN SOCIETY (at British Institute of Radiology), at 8.15.—Dr. G. W. C. Kaye: (a) A Combined X-ray Tube and Vacuum Pump Unit; (b) The Industrial Uses of X-rays—The Present Position.—A. F. Dufton: The Measurement of Radium during Radioactive Growth.

SCIENCE MASTERS' ASSOCIATION (Annual Meeting) (at Household and Social Science Department, King's College for Women), at 8.15.—The Bishop of Birmingham: Pres'd-initial Address.

WEDNESDAY, JANUARY 6.

SCIENCE MASTERS' ASSOCIATION (Annual Meeting) (at Household and Social Science Department, King's College for Women), at 10.45 A.M.—Dr. T. Slater Price: The Sensitivity of the Photographic Plate (Lecture).—Prof. Leonard Hill: Sunshine, Open Air, and Health (Lecture).—At 12.—W. D. Eggar, O. H. Latter, and others: Discussion

on Science and Citizenship.—A. M. Weaver, E. H. Duckworth, and others: Discussion on Laboratory Assistants and Laboratory Management. School Exhibitions.—At 5.15 and 6.—Prof. B. J. Collingwood: Demonstration of the Use of Specially Designed Electronic Models for the Representation of Chemical Actions and Electrolytic Phenomena.—At 8.15.—(Lecture-demonstration.) Arranged by Dr. C. S. Myers and F. M. Earle: Methods of Experimental Psychology.—(Demonstrations of Vocation Tests.) Miss W. Spielman: Vocational Selection.—Vocational Guidance.—Miss Stott: Intelligence Tests; Miss Roberts: Manual Ability Tests; A. Macrae: Mechanical Tests; F. M. Earle and Miss Blackett: Special Tests, Job Analysis and Rating Scales.

OPTICAL SOCIETY AND PHYSICAL SOCIETY OF LONDON (at Imperial College of Science and Technology), Afternoon and Evening.—Exhibition of Electrical, Optical, and other Physical Apparatus.

ROYAL SOCIETY OF ARTS, at 3.—Prof. H. E. Armstrong: Alice in Wonderland, at the Breakfast Table (Mann Juvenile Lectures) (1).

GEOLOGICAL SOCIETY OF LONDON, at 5.30.—W. N. Edwards: Fossil Plants from the Nubian Sandstone of Eastern Darfur.—V. G. Glenday and Dr. J. Parkinson: The Geology of the Suk Hills (Kenya Colony).

INSTITUTION OF ELECTRICAL ENGINEERS (Wireless Section), at 6.—Lt.-Col. K. E. Edgeworth: Frequency Variations in Thermionic Generators.

INSTITUTION OF HEATING AND VENTILATING ENGINEERS (at Caxton Hall, Westminster), at 7.—J. R. Preston: Pump Circulation.

THURSDAY, JANUARY 7.

GEOGRAPHICAL ASSOCIATION (Annual Meetings) (at London School of Economics), at 9.50 A.M.—Opening of Publishers' Exhibition and Short Address.—At 11.15.—The Hon. W. G. A. Ormsby Gore: The Economic Geography of the British Empire (Presidential Address).—At 5.—Prof. J. L. Myres: Wayside Geography (Lecture).—At 8.—Private Meeting of University Teachers of Geography. Mrs. Ormsby and others: Discussion on The Compatibility of the Training of the Geographer with the Acquisition of a University Degree in Geography.

SCIENCE MASTERS' ASSOCIATION (Annual Meeting) (at Household and Social Science Department, King's College for Women), at 11 A.M.—D. J. Berridge, E. Nightingale, E. G. Laws, and others: General Discussion: School Science Examinations.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Old Trades and New Knowledge: (5) The Trade of the Potter.

OPTICAL SOCIETY AND PHYSICAL SOCIETY OF LONDON (at Imperial College of Science and Technology).—Afternoon and Evening.—Exhibition of Electrical, Optical, and other Physical Apparatus.

INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—Capt. P. P. Eckersley: Past, Present, and Future Developments in Wireless Telephony.

SOCIETY OF CHEMICAL INDUSTRY (Manchester Section) (at 16 St. Mary's Parsonage), at 7.—Short Papers.

SOCIETY OF CHEMICAL INDUSTRY (Bristol Section) (at Bristol University), at 7.30.—S. Robson: The Contact Process for Sulphuric Acid.

INSTITUTE OF METALS (London Section) (at 35 The Minories), at 7.30.—H. J. Gough and D. Hanson: The Fatigue of Metals: a General Survey and an Account of some Recent Work. Pt. 1.

INSTITUTION OF SANITARY ENGINEERS (at Caxton Hall), at 7.50.—Presidential Address.

INSTITUTION OF STRUCTURAL ENGINEERS, at 7.50.—J. T. Jacques: The Manufacture and Strength of Brickwork.

FRIDAY, JANUARY 8.

GEOGRAPHICAL ASSOCIATION (Annual Meetings) (at London School of Economics), at 9.30 A.M.—Exhibition.—At 10 A.M.—A. G. Ogilvie: South America and Africa as Fields for Geographical Research (Lecture).—At 11.15.—Sir John Russell: Cotton and the Nile (Lecture).—At 2.15.—Sir Halford Mackinder: The Teaching of Geography (Lecture).—At 3.30.—Dr. Vaughan Cornish: The Rhythmic Flow of a River (Lecture).

ROYAL GEOGRAPHICAL SOCIETY (at Æolian Hall), at 3.30.—A. F. R. Wollaston: A Naturalist's Journey to Ruwenzori (Christmas Lecture to Young People).

ROYAL ASTRONOMICAL SOCIETY, at 5.—Paper received:—J. G. Hagen: W. Herschel, Discoverer of Dark Cosmic Clouds.

MALACOLOGICAL SOCIETY OF LONDON (at Linnean Society), at 6.

INSTITUTION OF MECHANICAL ENGINEERS, at 6.—Third Report of the Marine Oil-Engine Trials Committee.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—Mrs. J. Henshaw: Camping in the Canadian Rockies (Lecture).

JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—A. J. Simpson: Notes on Salesmanship.

NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS (at Newcastle-upon-Tyne), at 7.30.—W. Pollock: Star Contra Propeller.

GEOLOGISTS' ASSOCIATION (at University College), at 7.30.

ROYAL TECHNICAL COLLEGE, GLASGOW, CIVIL ENGINEERING SOCIETY, at 7.30.—G. Fairbairn: Some Applications of Cementation to Engineering Works.—J. W. Means: Experiences in British Guiana.

SOCIETY OF CHEMICAL INDUSTRY (Chemical Engineering Group) (at Chemical Society), at 8.—A. E. Knowles: The Manufacture of Hydrogen suitable for the Hydrogenation of Oils.—Dr. A. C. Thaysen: The Production of Hydrogen by Micro-organisms.

ROYAL SOCIETY OF MEDICINE (Ophthalmology and Laryngology Sections), at 8.30.—Discussion on Inflammation of the Nasal Sinuses in its Relation to Optic Neuritis.

SATURDAY, JANUARY 9.

GEOGRAPHICAL ASSOCIATION (Annual Meetings) (at London School of Economics), at 9.30 A.M.—Exhibition.—At 10.—Prof. P. M. Roxby: The Concept of Natural Regions in the Teaching of Geography, with Special Illustrations from China.—At 11.15.—Discussions held concurrently in separate rooms:—C. G. Beasley and others: The Place of Geography in a Two Period a Week Geography Course.—C. D. Forde and others: Detail in Geography Lessons.—Major A. G. Church and others: Geography in Relation to other School Subjects.—Miss R. M. Fleming and others: Geography for the Younger Children in Primary Schools.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Sir William Bragg: Old Trades and New Knowledge: (6) The Trade of the Miner.