vertebrate layer of the asphalte mines of Pyrimont (Savoy), by M. Ch. Depéret. - On the green ray, by M. L. Libert. Notice of the appearance of this phenomena at Sainte-Adresse.

NEW SOUTH WALES.

Linnean Society, September 28.—Prof. J. T. Wilson, President, in the chair. - On the mountain ash of Southern New South Wales, by Henry Deane and J. H. Maiden. - On two new species of *Eucalyptus* from New South Wales, by R. T. Baker. Two well-defined species, remarkable for the chemical constituents of their oils, belonging to the group Renantherae, and known vernacularly as "Silver Top Stringybark" and "Messmate" respectively, are recorded in this paper. For the first of the two the name E. laevopinea is suggested because the oil obtained from the leaves consists largely of pinene which is laevo-rotatory, and the name E. dextropinea is proposed for the second species owing to the oil consisting largely of pinene, which in this case is dextro-rotatory. In both the specific rotation is greater than in the well-known pinenes obtained from the Coniferae, although chemically identical.—A description of certain objects of unknown significance, formerly used by some New South Wales tribes, by Walter R. Harper.—Mr. W. W. Froggatt exhibited a twig from a fruit-tree obtained near Sydney, which had 150 eggs of an undetermined grasshopper attached to it in a double row; also a number of the newlyhatched young insects. These were of interest because of their remarkable resemblance to a common ant (Iridomyrmex purpureus, Sm.), which is plentiful in the orchards and bush about Sydney, hunting over the trees for food. It seems probable that this may be a case of protective mimicry, the grasshoppers perhaps being protected against the attacks of insectivorous birds, and the ants also deceived.—Mr. J. Mitchell, of Newcastle, forwarded a brief note announcing his discovery of the print of an insect's wing in the shale overlying the Yard Seam of coal at the base of Flagstaff Hill, Newcastle. There was, he believed, no previous record of the presence of insect remains in rocks of the Permo-Carboniferous Age in New South Wales. He hoped to be able to exhibit the specimen at a future meeting.

DIARY OF SOCIETIES.

THURSDAY, NOVEMBER 24.

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ROYAL SOCIETY, at 4.30.—Preliminary Note on the Spectrum of the Corona: Sir J. Norman Lockyer, K.C.B., F.R.S.—On the Condensation Nuclei produced in Gases by the Action of Röntgen Rays, Uranian Rays. Ultra-Violet Light, and other Agents: C. T. R. Wilson.—The Origin of the Gases evolved on Heating Mineral Substances, Meteorites, &c.: Dr, M. W. Travers.—Memoir on the Theory of the Partitions of Numbers: Part 2: Major MacMahon, F.R.S.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Rotatory Converters: Prof. S. P. Thompson, F.R.S.

FRIDAY, NOVEMBER 25.

PHYSICAL SOCIETY, at 5.—On the Properties of Liquid Mixtures: R. A. Lehfeldt.—On certain Diffraction Fringes as applied to Micrometric Observations: L. N. G. Filon.

MONDAY, NOVEMBER 28.
ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—A Year on Christmas Island:
Chas. W. Andrews.
IMPERIAL INSTITUTE, at 8.30.—Gold-Mining in Victoria: Ernest

SOCIETY OF ARTS, at 8.—Acetylene: Prof. Vivian B. Lewes.
INSTITUTE OF ACTUARIES, at 5.30.—Inaugural Address by the President,
H. W. Manly.

H. W. Manly.

TUESDAY, NOVEMBER 29.

ZOOLOGICAL SOCIETY, at 8.30.—Further Notes on the Amazonian Lepidosiren: Dr. E. A. Goeldi.—On the Anatomy of Adult and Foetal Specimens of Pedetes caffer as compared with that of the Dipodidae: F. G. Parsons.—On a New Species of Spiders from Trinidad, West Indies: F. O. Pickard-Cambridge.

NSTITUTION OF CIVIL ENGINEERS, at 8.—The Effect of Subsidence due to Coal-Workings upon Bridges and other Structures: Stanley Robert Kay

WEDNESDAY, November 30.

Society of Arts, at 8.—Photographic Developers and Development; C. H. Bothamley, F.R.S.

THURSDAY, DECEMBER 1.

LINNEAN SOCIETY, at 8.—On the Biology of Agaricus velutipes, Curt.:

R. H. Biffen.—On the Gastric Glands of the Marsupialia: Jas.

Johnstone.

CHEMICAL SOLIETY, at 8.—Ballot for the Election of Fellows.—The Oxidation of Polyhydric Alcohols in presence of Iron: H. J. H. Fenton and H. Jackson.

FRIDAY, DECEMBER 2.

GEOLOGISTS' ASSOCIATION, at 8.—Contributions to the Geology of the Thame Valley; A. M. Davies.
INSTITUTION OF CIVIL ENGINEERS, at 8.—The Sunlight Gold-bearing Reef, Lydenberg, Transvaal: Charles Benjamin Saner.

QUEKETT MICROSCOPICAL CLUB, at 8.

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BOOKS, PAMPHLET, SERIALS, &c., RECEIVED.

BOOKS, PAMPHLET, SERIALS, &c., RECEIVED.
BOOKS.—Deutscher Botaniker-Kalendar für 1809 (Berlin, Borntraeger).—
Symbolae Antillanae seu Fundamenta Florae Indiae Occidentalis: editit.
Urban, Vol. 1, Fasc. i. (Berlin, Borntraeger).—Society for the Promotion of Engineering Education: Proceedings of the Fifth Annual Meeting (Lancaster, Pa.).—Transactions of the American Pediatric Society, Ninth Session (New York).—Psychologische Untersuchungen über das Lesen: B. Erdmann and R. Dodge (Halle, Niemeyer).—Animals of To-day, their Life Conversation: C. J. Cornish (Seeley).—Colour in Nature: Dr. M. I. Newbigin (Murray).—Among the Celestials: Captain F. Younghusband (Murray).—The Five Windows of the Soul: E. H. Aitken (Murray).—Australian Legendary Tales: collected by K. L. Parker (Nutt).—More Australian Legendary Tales: collected by K. L. Parker (Nutt).—From Sphinx to Oracle: A. S. White (Hurst).—Essai d'une Philosophie Nouvelle: L. Ribert (Paris, Alcan).—Pflanzen-Geographie auf Physiologischer Grundlage: Prof. A. F. W. Schimper (Jena, Fischer).—Quick and Easy Methods of Calculating: R. G. Blaine (Spon).—The Story of Geographical Discovery: J. Jacobs (Newnes).—Text-book of Algebra: Drs. Fisher and Schwatt, Part r (Philadelphia, Fisher).—Monographieeu Afrikanischer Pflanzen Familien und Gattungen: i. A. Engler; ii. E. Gilg (Leipzig, Engelmann). Engelmann).

PAMPHLET.—Experiments on the Pressures and Explosive Efficiency of Mixtures of Acetylene and Air (Leeds, Jowett).

SERIALS.—Atlantic Monthly, November (Gay).—Proceedings of the Royal Society of Victoria, Vol. xi. Part 1 (Melbourne).—Proceedings of the Indiana Academy of Science, 1897 (Indianapolis).—Journal of the Franklin Institute, November (Philadelphia).

Public School Protractor Scale (Macmillan).

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