(Wall.).—Materials for a flora of the Malayan Peninsula, No. 18: Sir George King, K.C.I.E., F.R.S., and J. S. Gamble, F.R.S. Owing to an unforeseen cause of delay, it has been found necessary to postpone the publication of the natural orders No. 75, Apocynaceæ, No. 76, Asclepiadaceæ, and No. 77, Loganiaceæ, for a short while; consequently the present part, No. 18 of the "Materials for a Flora of the Malayan Peninsula," contains the orders which succeed, viz. No. 79, Hydrophyllaceæ, to No. 85, Lentibulariaceæ, inclusive, together with No. 87, Bignoniaceæ, and No. 88, Pedalinceæ. No. 78, Gentienaceæ, has already appeared in part xvii., and No. 86, Gesneraceæ, will come later on.

DIARY OF SOCIETIES.

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THURSDAY, DECEMBER 7.

ROYAL SCCIETY, at 4.30.—The Periodogram and its Optical Analogy; with an Illustration from a Discussion of Observations of Sun spots: Prof. A. Schuster, F.R.S.—(1) On a Property which holds good for all Groupings of a Normal Distribution of Frequency for two Variables, with Applications to the Study of Contingency-tables for the Inheritance of Unmeasured Qualities; (2) On the Influence of Bias and of Personal Equation in Statistics of Ill-defined Qualities: an Experimental Study; G. Udny Yule.—On the Inheritance of Coat-colour in Horses: C. C. Hurst.—Further Experiments on Inheritance in Sweet Peas and Stocks (Preliminary Account): W. Bateson, F.R.S., E. R. Saunders, and R. C. Punnett.—A Biometrical Study of Conjugation in Paramæcium: Dr. Raymond Pearl.—On Mathematical Concepts of the Material World: A. N. Whitehead, F.R.S.—The Determination of the Osmotic Pressure of Solutions by the Measurement of their Vapour Pressures: The Earl of Berkeley and E. G. Hartley.—The Vertical Temperature Gradients on the West Coast of Scotland and at Oxshott, Surrey: W. H. Dines, F.R.S.—The Combination of Hydrogen and Oxygen in contact with Hott Catalogues of the Comparative Brightness of the Stars: in Continuation of those printed in the Phil. Trans. for 1796—90. (Prepared for press from the original MS. Records by Colonel J. Herschel, R.E., F.R.S.): The late Dr. Herschel, F.R.S.—On the Cytology of Malignant Growths: Prof. J. B. Farmer, F.R.S., J. E. S. Moore, and C. E. Walker.—A Gas Calorimeter: C. V. Boys, F.R.S.

Society of Arts, at 4.30.—The Partition of Bengal: Sir James A. Bourdillon, K.C.S.I.

CHEMICAL SOCIETY, at 8.30.—The Constitution of Nitrites, Part I., Two Varieties of Silver Nitrite: P. C. Rây and A. C. Ganguli.—The Products

Bourdillon, K.C.S.I.

CHEMICAL SOCLETY, at 8.30.—The Constitution of Nitrites, Part I., Two Varieties of Silver Nitrite: P. C. Rây and A. C. Ganguli.—The Products of Heating Silver Nitrite: E. Divers:—Ethyl Piperonylacetate: W. H. Perkin, Jun., and R. Robinson.—A Contribution to the Chemistry of Saccharin: F. D. Chattaway,—The Action of Heat on a-Hydrocarboxylic Acids, Part II.: H. R. Le Sueur.—Studies on Optically Active Carbimides, Part II., The Reactions between r-Menthylcarbimide and Alcohols: R. H. Pickard, W. O. Littlebury, and A. Neville.—The Action of Ultra-violet Light on Moist and Dried Mixtures of Carbon Monoxide and Oxygen: S. Chadwick, J. E. Ramsbottom and D. L. Chapman.

Monoxide and Oxygen: S. Chadwick, J. E. Ramsbottom and D. L. Chapman.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—The Charing Cross Company's City of London Works: W. H. Patchell.

CIVIL AND MECHANICAL ENGINEERS' SOCIETY, at 8.—Concrete Mixers: Dr. J. S. Owens.

Linnean Society, at 8.—On the Ætiology of Leprosy: Dr. Jonathan Hutchinson, F.R.S.—Some Notes on the Life-history of Margaritifera Paneseae: A. W. Allen.—Exhibition: Photographs of a Luxuriant Specimen of Shortia uniflora, in the Rock-garden of Mr. W. T. Hindmarsh, at Alnwick.

Röntgen Society, at 8.75.—The Spontaneous Action of Radium and other Bodies on Gelatin Media: J. Butler Burke.

FRIDAY, December 8.

Royal Astronomical Society, at 5.—Results of Recent Investigations Relating to Sun-spot Periods: Prof. A. Schuster.—On the Present State of Lunar Nomenclature: S. A. Saunder.—On a New Method of Determining the Moon's Position Photographically: E. B. H. Wade.—Reproduction of the Axis of Mars: (2) Comparative Charts of the Region following & Ophiuchi: Percival Lowell.—Comparison of the Results from the Falmoutt. Declination and Horizontal Force Magnetographs on Quiet Days in Years of Sun-spot Maximum and Minimum: Dr. Charles Chree.—Note on the Astronomical Value of Ancient Statements of Solar Eclipses: Prof. Simon Newcomb.—On the Conditions Determining the Formation of Cloud Spheres and Photospheres: A. W. Clayden.—On Testing Parabolic Mirrors; with some Results of the Tests as Applied to some Mirrors at Oxford: Rev. C. D. P. Davies.—Promised paper: On the Astronomical Observations recorded in the Nihongi, the Ancient Chronicle of Japan: E. B. Knobel.

Malacological Society, at 8.—(r) A Revision of the Species of Cyclostomatide and Liouidæ eccurring in the Persian Gulf and North Arabian

MALAGOLGICAL SOCIETY, at 8.—(1) A Revision of the Species of Cyclostomatide and Liotidae cccurring in the Persian Gulf and North Arabian Sea; (2) Description of Two Species of Marine Shells from Ceylon: J. Cosmo Melvill.—A Pteropod Alias: (a) C. Hedley, (b) E. R. Sykes.—(1) Descriptions of Four new Species of Marine Shells from Ceylon; 20 Description of a new Species of Physa front N.W. Australia: H. B. Preston.—Notes (1) on the Dates of Publication of J. D. Wilhelm Hartmann's "Erd- und Süsswasser-Gasteropoden," 8vo, St. Gallen, 1840; (a) On Some "Feeding Tracks" of Gastropods: (3) On Cement as a Slug-killer: B. B. Woodward.

MONDAY, DECEMBER 11.

SOCIETY OF ARTS, at 8.—The Measurement of High Frequency Currents and Electric Waves: Prof. J. A. Fleming, F.R.S.

TUESDAY, DECEMBER 12. MALACOLOGICAL SOCIETY, at 8 .- (1) A Revision of the Species of Cyclo-

ZOOLOGICAL SOCIETY, at 8.30.

FARADAY SOCIETY, at 8.—The Physics of Ore Flotation: J. Swinburne and Dr. G. Rudorf.—The Concentration of Metalliferous Sulphides by

the Flotation Process: Prof. A. K. Huntington.—The Ions of Pure Water: Prof. J. Walker, F.R.S.
INSTITUTION OF CIVIL ENGINEERS, at 8.—Adjourned Discussion: The Steam-Turbine: Hon. C. A. Parsons, C.B., F.R.S., and G. G. Stoney.—

WEDNESDAY, DECEMBER 13

Society of Arts, at 8.—The Commerce and Industries of Japan: W. F. Mitchell.

SOCIETY OF ARTS, at 8.—The Commerce and Industries of Japan: W. F. Mitchell.

THURSDAY. December 14.

ROYAL SOCIETY, at 4.30.—Probable papers: An Investigation into the Structure of the Lumbo-sacral-cocyg-fal Cord of the Macaque Monkey (Macacus sinicus): Miss M. P. Fitzgera'd.—On the Distribution of Colorides in Nerve Cells and Fibres: Prof. A. C. Macallum and Miss M. L. Menten.—The Mammalian Cerebral Cortex, with Special Reference to its Comparative Histology. I. Order Insectivora: Dr. G. A. Watson.—Observations on the Development of Ornithorhynchus: Prof. J. T. Wilson and Dr. J. P. Hill.—Further Work on the Development of the Hepatomonas of Kala-Azar and Cachexial Fever from Leishman-Donovan Bodies: Dr. L. Rogers.—The Action of Anæsthetics on Living Tissues. Part I. The Action on Isolated Nerve: N. H. Alcock.—Report on the Psychology and Sociology of the Todas and other Indian Tribes: an Abstract of Work carried out by the Aid of the Gunning Fund of the Royal Society for the year 1901-2: Dr. W. H. R. Rivers.—On the Sexuality and Development of the Ascocarp of Humaria Granulata, Quel. V. H. Blackman and Miss Helen C. I. Fraser.—On the Microsporangia of the Pteridosperm-a with remarks on their Relationship to Existing Groups: Robert Kidston, F.R.S.—The Araucarieæ, Recent and Extinct: A. C. Seward, F.R.S., and Miss S. O. Ford.

MATHEMATICAL SOCIETY, at 5.30.—On Well-ordered Aggregates: Prof. A. C. Dixon.—Tables of Coefficients for Lagrange's Interpolation Formula: Col. R. L. Hippisley.—On the Representation of certain Asymptotic Series as Convergent Continued Fractions: Prof. L. J. Rogers.—On a New Cubic Connected with the Triangle: H. L. Trachtenberg.—Some Difficulties in the Theory of Transfinite Numbers and Order Types: Hon. B. A. W. Russell.—The Imaginary in Geometry: J. L. S. Hatton.

Institution of Electrical Engineers, at 8.—Adjourned Discussion: The Charing Cross Company's City of London Works: W. H. Patchell FRIDARY, DECEMBER 15.

The Charing Cross Company's City of London Works: W. H. Patchell FRIDAY, DECEMBER 15.

Institution of Mechanical Engineers, at 8.—Adjourned Discussion: The Seventh Report to the Alloys Research Committee: On the Properties of a Series of Iron-Nickel-Manganese-Carbon Alloys: Dr. H. C. H. Carpenter, and Messrs. R. A. Hadfield and Percy Longmuir.—Paper; Behaviour of Materials of Construction under Pure Shear: E. G. Izod. Physical, Society (at Royal College of Science, South Kensington), at 7.—Exhibition of Electrical, Optical and other Physical Apparatus.

INSTITUTION OF CIVIL ENGINEERS, at 8.—Tests of Street Illumination in Westminster: E. E. Mann.

AÉRONAUTICAL SOCIETY, at 8.—The Acoustical Experiments carried out in Balloons by the late Rev. J. M. Bacon: Miss Gertrude Bacon.—The Aëromobile: F. Webb.—A New Continuous Impulse Petrol Motor for Dynamic Flying Machines: W. Cochrane.

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