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### FRIDAY, NOVEMBER 8.

ROYAL ASTRONOMICAL SOCIETY, at 5.—The Constitution of the Solar Corona. III.: J. W. Nicholson.—Telescope Finders: T. K. Mellor.—Suggested Application of Mr. Innes's Formula for Magnitude of Double Stars to Observations of Certain Variable Stars: M. E. J. Gheury.—(1) The Sun-spot Minimum; Sun-spots and Prominences, 1912, October 10; (2) Sun-spots and Magnetic Phenomena, 1848-1911. The Cause of the Annual Variation in Magnetic Disturbances: Rev. A. L. Cortie.—The Transit of Mercury in 1709: G. van Biesbroeck.—The Light-source of the Andromeda Nebula: J. H. Reynolds.—Note on the Oxygen Triplet of the Infra-red of the Solar Spectrum: Royal Observatory, Edinburgh.—(1) Spectrographic Observations of the Sun's Rotation at Cambridge Observatory; (2) A Method of Measuring Spectrograms with the Help of a Cylindrical Lens: J. B. Hubrecht.—The Sidereal System: Revision of 1912 (continued) Maxwell Hall.—*Probable Paper*: Note on the Magnitude of Nova Geminorum; H. Jameson.

PHYSICAL SOCIETY, at 8.—On a Method of Measuring the Thomson Effect: H. R. Nettleton.—An Improved Joule Radiometer and its Applications: F. W. Jordan.—Note on the Attainment of a Steady State when Heat Diffuses along a Moving Cylinder: Miss A. Somers.—The Thermomagnetic Study of Steel: S. W. J. Smith.

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### TUESDAY, NOVEMBER 12.

INSTITUTION OF CIVIL ENGINEERS, at 8.—The Construction of the New Dock at Methil: B. H. Blyth.—Alterations and Improvements of the Port Talbot Docks and Railway during the Last Decade: W. Cleaver.

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.30.—Some unrecorded Customs of the Mekeo People of British New Guinea: R. W. Williamson.

ZOOLOGICAL SOCIETY, at 8.30.—Some Falkland Island Spiders: H. R. Hogg.—Some Points in the Anatomy of the Mouth-parts of the Mallophaga: Bruce F. Cummings.—Contributions to a Study of the Dragonfly Fauna of Borneo. I. The Corduliinae: the Genus *Amphicnemis*: F. F. Laidlaw.—Some Parasites of the Scoter Duck (*Oedemia nigra*) and their Relation to the Pearl-inducing Trematode in

the Edible Mussel (*Mytilus edulis*): Dr. H. Lyster Jameson and Dr. W. Nicoll.—Descriptions of Three New Fishes Discovered in the Gold Coast by Dr. H. G. F. Spurrell: G. A. Boulenger.

MINERALOGICAL SOCIETY, at 5.30.—Ilimenite from the Tengenbach Quarry, Binnenthal: Prof. W. J. Lewis.—An Account of the Minerals found in the Virtuous Lady Mine, near Tavistock: A. Russell.—Some Graphical Methods in Crystallography and Crystal Optics: A. Hutchinson.—Labradorite from Co. Down: A. Hutchinson and W. Campbell Smith.—Apparatus for Preparing Thin-sections of Rocks: Dr. G. F. Herber Smith.—Calcite Crystals from a Water Tank: R. F. Gwinnell.

### THURSDAY, NOVEMBER 14.

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INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Address by the President (W. Duddell).—Presentation of Premiums.

CONCRETE INSTITUTE, at 7.30.—Presidential Address: E. P. Wells.

MATHEMATICAL SOCIETY, at 5.30.—Annual General Meeting.—Presidential Address on Recent Advances in the Theory of Surfaces: H. F. Baker.—Some Properties of Cubic Surfaces: A. B. Grieve.—The Determination of the Summability of a Function by means of its Fourier Constants: W. H. Young.—Groups of Linear Substitutions of Finite Order which Possess Quadratic Invariants: W. Burnside.—The Irreducibility of Legendre's Polynomials: J. B. Holt.—The Representation of a Summable Function by means of a Series of Finite Polynomials: E. W. Hobson.—Theory of Functions of Real Vectors: E. Cunningham.

### FRIDAY, NOVEMBER 15.

ROYAL GEOGRAPHICAL SOCIETY, at 8.45.—The Norwegian South Polar Expedition: Capt. Roald Amundsen.

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ST. MARTIN'S STREET, LONDON, W.C.

Advertisements and business letters to be addressed to the Publishers.

Editorial Communications to the Editor.

Telegraphic Address: PHUSIS, LONDON.

Telephone Number: GERRARD 8830.