

Canada. Department of Mines. Geological Survey. Memoir 50: Upper White River District, Yukon. By D. D. Cairnes. Pp. iv+191. Memoir 60: Arisaig—Antigonish District, Nova Scotia. By M. Y. Williams. Pp. vi+173. Memoir 81: The Oil and Gas Fields of Ontario and Quebec. By W. Malcolm. Pp. ii+248. (Ottawa: Government Printing Bureau.)

Engineering Geology. By Profs. H. Ries and T. L. Watson. Second edition. Pp. xxvii+722. (New York: J. Wiley and Sons, Inc.; London: Chapman and Hall, Ltd.) 17s. net.

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Report on the Operations of the Department of Agriculture, Madras Presidency, for the Official Year 1914-15. Pp. 56. (Madras: Government Press.)

Meteorological Office. British Meteorological and Magnetic Year Book, 1913. Part iv., Section 2. Hourly Values from Autographic Records: Geophysical Section, 1913. Pp. 97. (Edinburgh: H.M.S.O.; London: Meteorological Office.) 5s.

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ROYAL GEOGRAPHICAL SOCIETY, at 5.—The Middle Tees and its Tributaries: C. B. Fawcett.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—The Principles of Modern Printing Telegraphy: H. H. Harrison.

INSTITUTION OF MINING AND METALLURGY, at 5.30.—Chinese Mining Legislation: W. F. Collins.—Taylor's Pulp Sampler: W. H. Trewartha-James.

### FRIDAY, JANUARY 21.

ROYAL INSTITUTION, at 5.30.—Problems in Capillarity: Sir James Dewar. INSTITUTION OF MECHANICAL ENGINEERS, at 6.—The Flow of Air through Nozzles: Capt. T. B. Morley.

### MONDAY, JANUARY 24.

ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—Cyrenaica: Prof. J. W. Gregory.

### TUESDAY, JANUARY 25.

ROYAL INSTITUTION, at 3.—The Physiology of Anger and Fear: Prof. C. S. Sherrington.

INSTITUTION OF CIVIL ENGINEERS, at 5.30.—Discussion: The Electric Locomotive: F. W. Carter.

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### WEDNESDAY, JANUARY 26.

ROYAL SOCIETY OF ARTS, at 4.30.—The Effect of the War on Cotton Growing in the British Empire: J. A. Hutton.

### THURSDAY, JANUARY 27.

ROYAL SOCIETY, at 4.30.—*Probable Papers*: The Theory of the Helmholtz Resonator: Lord Rayleigh.—A Collision Predictor: Prof. J. Joly.—Discussion of Kew Magnetic Data, especially the Diurnal Irregularities of Horizontal Force and Vertical Force, from ordinary days of the eleven years 1890 to 1900: Dr. C. Chree.—A Portable Variometer for Magnetic Surveying: G. W. Walker.—The Single Line Spectrum of Magnesium and other Metals and their Ionising Potentials: Prof. J. C. McLennan.—The Microscopic Structure of Semipermeable Membranes, and the Part Played by Surface Forces in Osmosis: F. Tinker.—The Reduction of Metallic Oxides with Hydrogen at High Pressures: E. Newbery and J. N. Pring.—Discontinuous Fluid Motion Past a Curved Boundary: H. Levy. ROYAL INSTITUTION, at 3.—Fuel Economy from a National Standpoint: Prof. W. A. Bone.

### FRIDAY, JANUARY 28.

ROYAL INSTITUTION, at 5.30.—The Science of Clothing and the Prevention of Trench Feet: Dr. Leonard Hill.

PHYSICAL SOCIETY, at 5.—Guthrie Lecture: Some Problems of Living Matter: W. B. Hardy.

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