

with a wider area than Southern India, and the essential problem appeared to be whether his Bundelkhand gneiss (Laurentian) and the Bengal gneisses (Keewatin) were older than, and unconformable to, the Dhárwár system, or whether they were post-Dhárwár eruptives corresponding with portions of the Mysore gneissic complex. On lithological grounds the Dhárwár system is divided into an Upper and a Lower Division. The former is composed largely of basic flows and sills with their schistose representatives. The Lower Division is composed of dark hornblendic epidiorites and schists, which are distinguishable from the greenstones of the Upper Division by their dark colour and practical absence of chlorite. Brief reference was made to the autoclastic conglomerates usually associated with intrusions of the Champion Gneiss, to the intrusive character of some of the quartzites or quartz-schists, and to the evidence that the limestones are due to metasomatic replacement of other rocks by carbonates of lime and magnesia. The Dhárwár schists of Mysore contain a widely extended series of banded quartz iron-ore rocks, very similar to those of the Lake Superior district.

BOOKS RECEIVED.

Our Vegetable Plot. A Year's Record. By S. Graveson. (London: Headley Bros., Ltd.) Price 7d. net.

Radiography and Radio-Therapeutics. By Dr. R. Knox. Part II., Radio-Therapeutics. Pp. x+385-606. (London: A. and C. Black, Ltd.) Price 15s. net.

Married Love. By Dr. M. C. Stopes and others. Pp. xvii+116. (London: A. C. Fifield.) 5s. net.

Frontiers. By C. B. Fawcett. Pp. 107. (Oxford: At the Clarendon Press.) 3s. net.

Cellulose. By Cross and Bevan. New impression, with a Supplement. Pp. xviii+348. (London: Longmans and Co.) 14s. net.

An X-Ray Atlas of the Skull. By A. A. R. Green. Pp. x+27. (London: Longmans and Co.) 10s. 6d. net.

Analytic Geometry and Calculus. By Prof. F. S. Woods and Prof. F. H. Bailey. Pp. xi+516. (London: Ginn and Co.) 10s. 6d. net.

Equipment for the Farm and the Farmstead. By Prof. H. C. Ramsower. Pp. xii+523. (London: Ginn and Co.) 10s. 6d. net.

Everyday Physics. By J. C. Packard. Pp. vi+136. (London: Ginn and Co.) 4s. 6d. net.

Theory of Maxima and Minima. By Prof. H. Hancock. Pp. xiv+193. (London: Ginn and Co.) 10s. 6d. net.

DIARY OF SOCIETIES.

THURSDAY, APRIL 11.

ROYAL INSTITUTION, at 3.—Experimental Psychology: Lt.-Col. C. S. Myers.

INSTITUTION OF ELECTRICAL ENGINEERS (Cancer Hospital, Fulham Road), at 6.—Joint Meeting with the Electrical Section of the Royal Society of Medicine.—Papers on Medical Electricity.

INSTITUTION OF MINING AND METALLURGY, at 5.30.—Presidential Address: Hugh F. Marriott.

OPTICAL SOCIETY (Imperial College of Science and Technology, South Kensington), at 8.—The Balsam Problem: J. W. French.

FRIDAY, APRIL 12.

ROYAL INSTITUTION, at 5.30.—Absorption and Phosphorescence: Prof. E. C. Baly.

ROYAL ASTRONOMICAL SOCIETY, at 5.—The Secular Acceleration of the Sun as Determined from Hipparchus' Equinox Observations; with a Note on Ptolemy's False Equinox: J. K. Fotheringham.—Differential Transit Observations: W. E. Cooke.—The Chromospheric and Coronal Spectrum (λ 6300- λ 7600) in the Total Solar Eclipse, 1911, April 28: Rev. A. L. Cortie.

SATURDAY, APRIL 13.

ROYAL INSTITUTION, at 3.—Musical Instruments Scientifically Considered: Prof. E. H. Barton.

MONDAY, APRIL 15.

ROYAL GEOGRAPHICAL SOCIETY, at 5.—Resection in Survey—The First Problem: G. T. McCaw.

ROYAL SOCIETY OF ARTS, at 4.30.—Military Explosives of To-day: J. Young.

TUESDAY, APRIL 16.

ROYAL STATISTICAL SOCIETY, at 5.15.

ILLUMINATING ENGINEERING SOCIETY, at 5.—Light and Vision: the Physiology of the Retina: Prof. W. M. Bayliss.

INSTITUTION OF PETROLEUM TECHNOLOGISTS, at 8.—Relation between Viscosity and the Chemical Constitution of Lubricating Oils: A. E. Dunstan and F. B. Thole.

WEDNESDAY, APRIL 17.

ROYAL METEOROLOGICAL SOCIETY, at 5.—The Variations of Underground Water-level near a Tidal River: E. G. Bilham.—Suggestions as to the Conditions Precedent to the Occurrence of Summer Thunderstorms, with Special Reference to that of June 14, 1914: J. Fairgrieve.

GEOLOGICAL SOCIETY, at 5.30.

ROYAL SOCIETY OF ARTS, at 4.30.—Agricultural Machinery: F. S. Courtney.

THURSDAY, APRIL 18.

INSTITUTION OF MINING AND METALLURGY, at 5.30.

LINNEAN SOCIETY, at 5.—Narrative of the Percy Sladen Expedition Brazil in 1913, with Lantern-slides: Prof. J. P. Hill.

ROYAL INSTITUTION, at 3.—Present-day Applications of Experimental Psychology: Lt.-Col. C. S. Myers.

INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—Overseas Distribution of Engineering Appliances: L. Andrews.

CHEMICAL SOCIETY, at 8.—Hugo Müller Lecture: The Old and the New Mineralogy: Sir Henry Miers.

ROYAL SOCIETY OF ARTS, at 4.30.—Water Power in India: A. Dickinson.

FRIDAY, APRIL 19.

INSTITUTION OF MECHANICAL ENGINEERS, at 6.

ROYAL INSTITUTION, at 5.30.—The Use of Soap Films in Engineering: Major G. I. Taylor.

SATURDAY, APRIL 20.

ROYAL INSTITUTION, at 3.—Musical Instruments Scientifically Considered: Prof. E. H. Barton.

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