

Pp. xi+298. (New York: H. Holt and Co.) 2 dollars net.

Who's Who in Science (International), 1912. Edited by H. H. Stephenson. Pp. xvi+323. (London: J. and A. Churchill.) 6s. net.

Church's Laboratory Guide. Ninth edition. Revised and largely rewritten by Prof. E. Kinch. Pp. xvi+368. (London: Gurney and Jackson.) 6s. 6d. net.

Handwörterbuch der Naturwissenschaften. Edited by E. Korschelt and others. Erste Lieferung. Pp. 1-160. (Jena: G. Fischer.) 2.50 marks.

Journal of the Institute of Metals, No. 2, Vol. vi., 1911. Pp. viii+369. (London: Caxton House, S.W.) 21s. net.

Meddelanden från Statens Skogsförsöksanstalt. Häftet 8, 1911. Pp. 279+xxiii. (Stockholm.) 2.25 kronor.

The A.B.C. Guide to Astronomy. By Mrs. H. Periam Hawkins. Pp. iv+120. (London: Simpkin and Co., Ltd.) 1s. 6d. net.

Spices. By H. N. Ridley, C.M.G., F.R.S. Pp. ix+449. (London: Macmillan and Co., Ltd.) 8s. 6d. net.

Manual Training Woodwork Exercises treated Mathematically. By F. E. Drury. Pp. xi+215. (London: G. Bell and Sons, Ltd.) 2s. 6d.

DIARY OF SOCIETIES.

THURSDAY, FEBRUARY 1.

ROYAL SOCIETY, at 4.30.—The Bacterial Production of Acetylmethylcarbinol and Butylene Glycol from Various Substances: Dr. A. Harden, F.R.S., and Miss D. Norris.—The Chemical Action of Bacillus Cloacæ (Jordan) on Glucose and Mannitol: J. Thompson.—On the Distribution of the Nerves of the Dental Pulp: J. H. Mummery.—A Method for Isolating and Cultivating the Mycobacterium Pseudo Tuberculosis enteritidis bovis (Jöhne), and some Experiments on the Preparation of a Diagnostic Vaccine for Pseudo Tuberculosis enteritidis of bovines: F. W. Twort and G. L. Y. Ingram.—On the Fossil Flora of the Forest of Dean Coalfield (Gloucestershire), and the Relationship of the Coalfields of the West of England and South Wales: E. A. N. Arber.—Simultaneous Colour Contrast: Dr. F. W. Edridge-Green.—Studies on Enzyme Action. XIV.—Urease, a Selective Enzyme: Prof. H. E. Armstrong, F.R.S., and E. Horton.

LINNEAN SOCIETY, at 8.—Fourmis des Seychelles reçues de M. Hugh Scott: Prof. A. Forel.—Tipulidæ from the Indian Ocean: F. W. Edwards.—Sciariidæ, mit einem Anhang von Dr. J. J. Kieffer (Beschreibung neuer Sciariiden von den Seychellen Inseln): Dr. Günther Enderlein.—Ichneumonidæ from the Indian Ocean: C. Morley.—New Fishes from Aldabra and Assumption, collected by Mr. J. C. F. Fryer: C. Tate Regan.

ROYAL INSTITUTION, at 3.—The Phenomena of Splashes: Prof. A. M. Worthington, C.B., F.R.S.

FRIDAY, FEBRUARY 2.

ROYAL INSTITUTION, at 9.—Vital Effects of Radium and other Rays: Sir J. M. Davidson.

INSTITUTION OF CIVIL ENGINEERS, at 8.—Steam-turbines: Some Practical Applications of Theory: Captain H. Riall Sankey, R.E.  
GEOLOGISTS' ASSOCIATION, at 7.30.—Annual General Meeting.—Presidential Address; Rocks containing Radiolaria: William Hill.

MONDAY, FEBRUARY 5.

VICTORIA INSTITUTE, at 4.30.—The Historicity of the Mosaic Tabernacle: Rev. Prof. J. Orr.

SOCIETY OF ENGINEERS, at 7.30.—Presidential Address: John Kennedy.  
ARISTOTELIAN SOCIETY, at 8.—The Relation of Willing to Cognition: Prof. G. Dawes Hicks.

SOCIETY OF CHEMICAL INDUSTRY, at 8.—Discussion: The Industrial Bursaries Scheme of the Commissioners of the 1851 Exhibition.—Papers: Constant Temperature Heating Apparatus for Explosives; Experiments on the Decomposition of Nitro-Cellulose: J. S. S. Brame.—Some Physical Constants of Structureless Cellulose Filaments (Artificial Silk): W. P. Dreaper and J. G. Davis.

ROYAL SOCIETY OF ARTS, at 8.—The Meat Industry: L. M. Douglas.

TUESDAY, FEBRUARY 6.

ROYAL INSTITUTION, at 3.—The Study of Genetics: Prof. W. Bateson, F.R.S.

ZOOLOGICAL SOCIETY, at 8.30.—Report on the Deaths which occurred in the Zoological Gardens during 1911: H. G. Plimmer, F.R.S.—On Experimental Pheasant Breeding: Mrs. R. Haig Thomas.—Mendelian Experiments on Fowls: J. T. Cunningham.—A Further Collection of Mammals from Egypt and Sinai: J. Lewis Bonhote.—On the Pairing of Pseudoscorpiones: H. Wallis Kew.

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.15.—The Kayak in North-Western Europe: D. MacRitchie.

RÖNTGEN SOCIETY, at 8.15.—After-glow in Vacuum Discharge Tubes: Hon. R. J. Strutt, F.R.S.

INSTITUTION OF CIVIL ENGINEERS, at 8.—The Water-supply of the Witwatersrand: D. C. Leitch.—Investigations Relating to the Yield of a Catchment-area in Cape Colony: E. C. Bartlett.

WEDNESDAY, FEBRUARY 7.

SOCIETY OF PUBLIC ANALYSTS, at 8.—Annual General Meeting.—Notes on the Determination of Butter Fat and Coconut Oil in Margarine: F. W. F. Arnaud and H. Hawley.—The Souring of Milk: H. Droop Richmond and H. C. Huish.—A Flour Improver: E. Hinks.  
ENTOMOLOGICAL SOCIETY, at 8.—On the Comparative Anatomy of the Genital Tube in ♂ Coleoptera: D. Sharp and F. Muir.—On Some Hitherto Imperfectly-known South African Lepidoptera: Roland Trimen.

—Notes on Australian and Tasmanian *Scydmanidæ*, with descriptions of New Species: A. M. Lea.

ROYAL SOCIETY OF ARTS, at 8.—The Influence of Ozone in Ventilation: Leonard Hill, F.R.S., and Martin Flack.  
GEOLOGICAL SOCIETY, at 8.—On an Inlier of Longmyndian and Cambrian Rocks at Pedwardine (Herefordshire): Dr. A. H. Cox.

THURSDAY, FEBRUARY 8.

ROYAL SOCIETY, at 4.30.—*Probable Papers*: The Spectrum of Comet Brooks (1911c): Sir N. Lockyer, K.C.B., F.R.S.—A Chemically-active Modification of Nitrogen produced by the Electric Discharge. III.: Hon. R. J. Strutt, F.R.S.—The Atomic Weight of Radium: R. Whytlaw-Gray and Sir W. Ramsay, K.C.B., F.R.S.—An Optical Determination of the Variation of Stress in a Thin Rectangular Plate subjected to Shear: Prof. E. G. Coker.—Spectroscopic Observations. Lithium and Cesium: Dr. P. V. Bevan.—The Observation by means of a Strömgren Electrometer of Fluctuations in the Ionisation produced by  $\gamma$  rays: Prof. T. H. Laby and P. W. Burbidge.

ROYAL INSTITUTION, at 3.—The Phenomena of Splashes: Prof. A. M. Worthington, C.B., F.R.S.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—High Voltage Tests and Energy Losses in Insulating Materials: E. H. Rayner.

ROYAL SOCIETY OF ARTS, at 4.30.—The North-East Frontier of India: Sir Thomas H. Holdich, K.C.M.G., F.R.S.

FRIDAY, FEBRUARY 9.

ROYAL INSTITUTION, at 9.—Very High Temperatures: Dr. J. A. Harker, F.R.S.

PHYSICAL SOCIETY, at 8.—Annual General Meeting.  
ROYAL ASTRONOMICAL SOCIETY, at 5.—Anniversary Meeting.  
ROYAL GEOGRAPHICAL SOCIETY, at 5.30.—Desert of North Africa: Captain H. G. Lyons, F.R.S.

INSTITUTION OF CIVIL ENGINEERS, at 8.—Steam-turbines: Some Practical Applications of Theory: Captain H. Riall Sankey, R.E.  
PHYSICAL SOCIETY, at 8.—Annual General Meeting.—Presidential Address: Prof. A. Schuster, F.R.S.

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