

A Handbook of Briquetting. By Prof. G. Franke. Translated by F. C. A. H. Lantsberry. Vol. i. Pp. xxviii+631. (London: C. Griffin and Co., Ltd.) 30s. net.

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Contributions from the Jefferson Physical Laboratory and from the Cruft High-Tension Electrical Laboratory of Harvard University for the Year 1915. Vol. xii. (Cambridge, Mass.)

Chemical Discovery and Invention in the Twentieth Century. By Sir W. A. Tilden. Pp. xvi+487. (London: G. Routledge and Sons, Ltd.) 7s. 6d. net.

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Registration of Business Names. By H. W. Jordan. Pp. 32. (London: Jordan and Sons, Ltd.) 6d. net.

Elementary Dynamics of the Particle and Rigid Body. By Prof. R. J. Barnard. Pp. vii+374. (London: Macmillan and Co., Ltd.) 6s.

DIARY OF SOCIETIES.

THURSDAY, FEBRUARY 1.

ROYAL SOCIETY, at 4.30.—An Application of the Theory of Probabilities to the Study of *a priori* Pathometry. Part II.: Sir Ronald Ross and Miss H. P. Hudson.—An Investigation into the Periodicity of Measles Epidemics in London from 1703 to the present day by the Method of the Periodogram: Dr. J. Brownlee.—The Causes responsible for the Developmental Progress of the Mammary Glands in the Rabbit during the Latter Part of Pregnancy: Capt. J. Hammond.—The Post-ovestrous Changes occurring in the Generative Organs and Mammary Glands of the Non-pregnant Dog: P. H. A. Marshall and E. T. Halnan.

ROYAL INSTITUTION, at 3.—The Mechanism of Chemical Change: Prof. F. G. Donnan.

CHEMICAL SOCIETY, at 8.—Chromium Phosphate: A. F. Joseph and W. N. Rae.—The Detection of Traces of Mercury Salts in Toxicological Work: K. C. Browning.—"Stepped" Ignition: R. V. Wheeler.—The Catalytic Bleaching of Oils, Fats, and Waxes: H. Raj.—Alkaloidal Derivatives of Mercuric Nitrite: P. C. Ray.—Synthesis of a Derivative of the Lowermost Homologue of Thiophene: P. C. Ray and M. L. Dev.—The Detergent Action of Soap: S. U. Pickering.—The Occlusion of Iron by the Phospho-molybdate Precipitate: E. H. Archibald and H. B. Keegan.

MATHEMATICAL SOCIETY, at 5.30.

LINNEAN SOCIETY, at 5.—Some Plants that might occur in Britain: C. E. Salmon.—Recent Exploration of the Abrolhos Islands: Prof. W. A. Herdman.—*Mentha exigua*, Mill: J. Britten.—The Structure of the Leaves of Hybrid Orchids: J. Charlesworth and J. Ramsbottom.

FRIDAY, FEBRUARY 2.

ROYAL INSTITUTION, at 5.30.—Recent Physiology and the War: Prof. C. S. Sherrington.

SATURDAY, FEBRUARY 3.

GEOLOGISTS' ASSOCIATION, at 3.—President's address: The Study of the Archaean Rocks, with Special Reference to Scotland: G. Barrow.

MONDAY, FEBRUARY 5.

ROYAL SOCIETY OF ARTS, at 4.30.—Town Planning and Civic Architecture: Prof. A. Beresford Pite.

ARISTOTELIAN SOCIETY, at 8.—Valuation and Existence: F. C. Bartlett.

VICTORIA INSTITUTE, at 4.30.—Islam and Animism: Rev. Dr. S. M. Zwemer.

ROYAL GEOGRAPHICAL SOCIETY, at 5.30.—Thirty Years' Work of the Royal Geographical Society: Dr. J. Scott Keltie.

TUESDAY, FEBRUARY 6.

ROYAL INSTITUTION, at 3.—The Old Brain and the New Brain, and their Meaning: Prof. C. S. Sherrington.

ZOOLOGICAL SOCIETY, at 5.30.—Structure and Functions of the Mouth-parts of the Palaeonid Prawn: L. A. Borradaile.—Scolex in the Cestode Genus *Duthiersia*, and on the Species of that Genus: Dr. F. E. Beddard.—Report on the Deaths which occurred in the Zoological Gardens during 1916: Prof. H. G. Plimmer.

RÖNTGEN SOCIETY, at 8.15.—Some Properties and Applications of Selenium: Dr. E. E. Fournier d'Albe.

INSTITUTION OF CIVIL ENGINEERS, at 5.30.—The Main Drainage System of London: G. W. Humphreys.

WEDNESDAY, FEBRUARY 7.

ROYAL SOCIETY OF ARTS, at 4.30.—The Future of British Spas: Dr. R. F. Fox.

GEOLOGICAL SOCIETY, at 5.30.

ENTOMOLOGICAL SOCIETY, at 8.

SOCIETY OF PUBLIC ANALYSTS, at 8.—The Quantitative Estimation of Mercury in Organic Compounds: J. E. Marsh and O. G. Lye.—The Shrewsbury and Knapp Process for the Detection of Coconut Oil: G. D. Elsdon.—The Detection of Rose Petals in Blue Pill: W. Partridge.

THURSDAY, FEBRUARY 8.

ROYAL SOCIETY, at 4.30.—*Probable Papers*: The Dynamics of Revolving Fluid: Lord Rayleigh.—Deflection of the Vertical by Tidal Loading of the Earth's Surface: Prof. H. Lamb.—Spontaneous Generation of Heat in Recently Hardened Steel: C. F. Brush and Sir R. Hadfield.

ROYAL INSTITUTION, at 3.—The Mechanism of Chemical Change: Prof. F. G. Donnan.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Frequency Changers: R. Townend.

OPTICAL SOCIETY, at 7.30.—Annual Meeting.—More Notes on Glass Grinding and Polishing: J. W. French.

FRIDAY, FEBRUARY 9.

ROYAL INSTITUTION, at 5.30.—Experimental Phonetics and its Utility to the Linguist: D. Jones.

ROYAL ASTRONOMICAL SOCIETY, at 5.—Anniversary Meeting.

MALACOLOGICAL SOCIETY, at 7.—Annual Meeting. Presidential Address: Systematic List of the Marginellidæ: J. R. le B. Tomlin.

CONTENTS.

PAGE

Oil-field Technology	425
Arboreal Habits and the Evolution of Man. By Prof. G. Elliot Smith, F.R.S.	426
Philosophy	426
Arbicultural Pathology	427
Our Bookshelf	427
Letters to the Editor:—	
Talbot's Observations on Fused Nitre.—Lord Rayleigh, O.M., F.R.S.	428
"Plants in Health and Disease"—Dr. A. D. Imms	428
The Decimal System and Summer Time in France.—C. F.	429
Meldola Memorial—The Committee	429
Changes in the Rhone Glacier. (<i>Illustrated.</i>) By Prof. T. G. Bonney, F.R.S.	430
Sources of Nitrogen Compounds in the United States. By Sir T. E. Thorpe, C.B., F.R.S.	431
Literature and Science in Education	432
Lord Cromer, O.M., F.R.S. By H. G. L.	433
Notes	434
Our Astronomical Column:—	
Comet 1916b (Wolf)	437
Investigations of Star Clusters	438
The Almanac of the Madrid Observatory	438
Sound-areas of Great Explosions. By Dr. Charles Davison	438
Recent Papers on Parasites	439
The Loutreuil Fund.—Grants for Scientific Work	439
The U.S. National Research Council	440
University and Educational Intelligence	441
Societies and Academies	442
Books Received	443
Diary of Societies	444

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