

Tracts for Computers, No. 6. Smoothing. By E. C. Rhodes. Pp. 60+3 diagrams. (London: Cambridge University Press.) 3s. 9d. net.

Map Projections. By A. R. Hinks. Second edition, revised and enlarged. Pp. xii+158. (Cambridge: At the University Press.) 12s. 6d. net.

A Memoir of the Rt. Hon. Sir Edward Fry, G.C.B., 1827-1918. By Agnes Fry. Pp. 328. (London: Oxford University Press.) 12s. 6d. net.

A Study of Mathematical Education, including the Teaching of Arithmetic. By B. Branford. New edition, enlarged and revised. Pp. xii+432. (Oxford: Clarendon Press.) 7s. 6d. net.

Monographs on the Theory of Photography, from the Research Laboratory of the Eastman Kodak Co. No. 1: The Silver Bromide Grain of Photographic Emulsions. By A. P. H. Trivelli and S. E. Sheppard. Pp. 143. (New York: D. van Nostrand Co.; Rochester, N.Y.: Eastman Kodak Co.; London: Kodak, Ltd.) 15s.

Diary of Societies.

THURSDAY, OCTOBER 13.

- CHILD-STUDY SOCIETY (at Royal Sanitary Institute), at 6.—Dr. C. W. Kimmins: Springs of Laughter.
- OPTICAL SOCIETY (at Imperial College of Science), at 7.30.—Dr. C. Sheard: Thomas Young Oration.
- INSTITUTE OF METALS, LONDON SECTION (at Sir John Cass Technical Institute), at 8.—Dr. O. F. Hudson: Chairman's Address.
- SOCIETY FOR CONSTRUCTIVE BIRTH CONTROL AND RACIAL PROGRESS (In Lecture Room, Hotel Cecil), at 8.—Dr. Marie Stopes: Anecdotes of the Past, Present, and Future of Birth Control (Presidential Address).
- ABERNETHIAN SOCIETY (at St. Bartholomew's Hospital), at 8.30.—Dr. C. Addison: Medical Men and Public Life.
- ROYAL SOCIETY OF MEDICINE (Neurology Section), at 8.30.—P. Sargent: Presidential Address.

FRIDAY, OCTOBER 14.

- ASSOCIATION OF ECONOMIC BIOLOGISTS (In Botanical Lecture Theatre, Imperial College of Science), at 2.30.—Dr. W. Brown and Others: Discussion on the Physiology of the Infection Process.
- JUNIOR INSTITUTION OF ENGINEERS (Inc.), at 8.—C. H. Woodfield: Electric Cranes.
- ROYAL SOCIETY OF MEDICINE (Ophthalmology Section), at 8.30.—J. H. Parsons: The Fourth Cranial Nerve.—E. Clarke: Milestones in Refraction Work.

SATURDAY, OCTOBER 15.

- PHYSIOLOGICAL SOCIETY (at Guy's Hospital), at 4 p.m.—N. W. MacKeith, M. S. Pembrey, W. R. Spurrell, E. C. Warner, and H. J. W. J. Westlake: Changes in Urine and Respiration in Relation to Exercise.—G. P. Crowden, Gwenda Hill, and M. S. Pembrey: Physiological and Anatomical Comparisons of a Pair of Identical Twins.—E. D. Adrian and A. Forbes: The All-or-Nothing Response of Sensory Nerve Fibres.—G. S. Adair, J. Barcroft, and A. V. Book: The Identity of Hæmoglobin in Human Beings.—M. Nagahashi: Magnetic Gas Analysis.—J. C. Drummond, G. P. Crowden, and Gwenda Hill: Nutrition on High Protein Diets.—B. J. Collingwood: The Constitution of Blood after the Intravenous Injection of (a) a Solution of Thrombin, prepared by the Gangee Method; and (b) Tissue Extract.—A. V. Hill and W. E. L. Brown: The Effect of CO<sub>2</sub> on the Heat of Combination of Hæmoglobin and Oxygen.—J. Mellanby: Asphyxia by Nitrogen.

TUESDAY, OCTOBER 18

- ROYAL HORTICULTURAL SOCIETY, at 3.—N. H. Grubb: Some Aspects of Apple Pruning.
- ROYAL COLLEGE OF PHYSICIANS, at 4.—Dr. H. R. Spencer: (Harveian Oration).
- ZOOLOGICAL SOCIETY OF LONDON, at 5.30.—The Secretary: Report on the Additions made to the Society's Menagerie during the months of June, July, August, and September, 1921.—M. A. C. Hinton: Exhibition of an Embryo *Africia* Elephant.—A. Stanley Hirst: On Some New Parasitic Mites.—Prot. J. Playfair McMurrieh: Note on the Systematic Position and Distribution of *Sagartia luciae*.

WEDNESDAY, OCTOBER 19.

- ENTOMOLOGICAL SOCIETY OF LONDON, at 8.
- ROYAL MICROSCOPICAL SOCIETY, at 8.—Dr. L. T. Hogben: Preliminary Account of the Spermatogenesis of *Sphenodon*.—D. M. Stamp: An Application of Polarized Light to Resolution with the Compound Microscope.
- INSTITUTION OF AUTOMOBILE ENGINEERS (at Commercial Vehicle and Motor Car and Marine Exhibitions, Olympia).—H. S. Hall and H. G. Burford; E. H. Arnott: Agricultural Tractors.

THURSDAY, OCTOBER 20.

- ROYAL AERONAUTICAL SOCIETY (at Royal Society of Arts), at 5.30.—G. Brewer: The Langley Machine and the Hammondspport Trials.
- CHEMICAL SOCIETY, at 8.—R. L. Grant and F. L. Pyman: Nitro- and Amino-derivatives of 4-Phenylglyoxaline.

INSTITUTION OF AUTOMOBILE ENGINEERS (at Commercial Vehicle and Motor Car and Marine Exhibitions, Olympia).—T. Clarkson: Coke as a Fuel for Commercial Vehicles.—W. D. Williamson: Loading Devices for Commercial Vehicles.

FRIDAY, OCTOBER 21.

INSTITUTION OF MECHANICAL ENGINEERS, at 6.—Dr. W. Rosenhain, S. L. Archbutt, and Dr. D. Hanson: Eleventh Report to the Alloys Research Committee on Some Alloys of Aluminium.

PUBLIC LECTURES.

(A number in brackets indicates the number of a lecture in a course.)

THURSDAY, OCTOBER 13.

- KING'S COLLEGE, at 5.30.—H. W. Fitz-Simons: Bridge Construction (1).
- UNIVERSITY COLLEGE, at 4.—Dr. T. G. Pinches: Babylonian Magic (2).

FRIDAY, OCTOBER 14.

- UNIVERSITY COLLEGE, at 4.30.—Dr. J. C. Drummond: Nutrition (1).

SATURDAY, OCTOBER 15.

- REGENT STREET POLYTECHNIC, at 10.30.—Prof. H. H. Turner: Modern Astronomical Theories.

MONDAY, OCTOBER 17

- KING'S COLLEGE, at 5.30.—H. Moore: Liquid Fuels (1)
- UNIVERSITY COLLEGE, at 5.—Prof. G. Dawes Hicks: The Philosophical Aspects of the Theory of Relativity.

TUESDAY, OCTOBER 18.

- KING'S COLLEGE, at 5.30.—Prof. H. Wildon Carr: The Modern Scientific Revolution and its Meaning for Philosophy (2).—The Perceptual Basis of Physics.—Dr. W. Brown: Psychology and Psychotherapy (1).—L. J. Hunt: Cascade Synchronous Motors and Generators (1).

WEDNESDAY, OCTOBER 19.

- KING'S COLLEGE, at 4.30.—Dr. C. Da Fano: Histology of the Nervous System (2).

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