

presence in the air of centres (*ions odorants*) capable of facilitating the condensation of atmospheric moisture, a suitable hygrometric state, and cooling of the air current produced by inspiration.—J. E. **Abelous** and J. **Aloy**: The necessity for a hydrogen acceptor and an oxygen acceptor for the manifestation of the process of oxido-reduction in organic liquids of animal and vegetable origin.—M. **Marage**: Contribution to the study of war *commotions*. Defining *commotion* as the lesions produced in a point of the nervous system either central or peripheral, it is shown that this arises from large pressures acting for very short periods of time on the whole of the body surface, and transmitted by the liquids of the organism to the cortical substance of the brain contained in an indeformable chamber, the skull.

BOOKS RECEIVED.

Transmission Gears, Mechanical, Electric, and Hydraulic, for Land and Marine Purposes. By E. Butler. Pp. xii+164. (London: C. Griffin and Co., Ltd.) 8s. 6d. net.

The Exploitation of Plants. By various writers. Edited by Prof. F. W. Oliver. Pp. vii+170. (London and Toronto: J. M. Dent and Sons, Ltd.) 2s. 6d. net.

The Kiln Drying of Lumber. By H. D. Tiemann. Pp. ix+316. (Philadelphia and London: J. B. Lippincott Co.) 18s. net.

Field Sanitation. By C. G. Moor and E. E. Cooper and others. Pp. viii+220. (London: Baillière, Tindall, and Co.) 2s. 6d. net.

Western Live-Stock Management. Edited by Prof. E. L. Potter. Pp. xiv+462. (New York: The Macmillan Co.; London: Macmillan and Co., Ltd.) 10s. net.

A Manual of Physics: Theoretical and Practical, for Medical Students. By Prof. H. C. H. Candy. Second edition. Pp. viii+451. (London: Cassell and Co., Ltd.) 7s. 6d. net.

Lyon's Medical Jurisprudence for India, with Illustrative Cases. By Lt.-Col. L. A. Waddell. Sixth edition. Pp. xiii+783. (Calcutta and Simla: Thacker, Spink, and Co.; London: W. Thacker and Co.) 28s. net.

Directions for a Practical Course in Chemical Physiology. By Dr. W. Cramer. Third edition. Pp. viii+119. (London: Longmans and Co.) 3s. net.

The Baby. By Dr. S. Seekings. Pp. 63. (London: S.P.C.K.) 9d.

The Improvement of the Gregorian Calendar. By A. Philip. Pp. 30. (London: G. Routledge and Sons, Ltd.) 1s. 6d. net.

A Dictionary of Aircraft. By W. E. Dommett. Pp. 52. (London: Electrical Press, Ltd.) 2s. net.

Experiments in Psychological Research at Leland Stanford Junior University. By J. E. Coover. Pp. xxiv+641. (California: Stanford University.) 3.50 dollars.

Infinitesimal Calculus. By Prof. F. S. Carey. Section II. Pp. x+352+iv. (London: Longmans and Co.) 10s. 6d. net.

DIARY OF SOCIETIES.

THURSDAY, FEBRUARY 28.

ROYAL SOCIETY, at 4.30.—Scattering of Light by Dust-free Air, with Artificial Reproduction of the Blue Sky. Preliminary Note: The Hon. R. J. Strutt.—The Lommel-Weber Ω Function and its Application to the Problem of Electric Waves on a Thin Anchor Ring: Dr. J. R. Airey.—Investigations on Textile Fibres: W. Harrison.—Critical Loading of Struts and Structure: W. L. Cowley and H. Levy.

FRIDAY, MARCH 1.

ROYAL INSTITUTION, at 5.30.—The Modern Dye-stuff Industry: Prof. A. G. Green.

SATURDAY, MARCH 2.

ROYAL INSTITUTION, at 3.—Problems in Atomic Structure: Sir J. J. Thomson.

NO. 2522, VOL. 100]

MONDAY, MARCH 4.

ARISTOTELIAN SOCIETY, at 8.—*Symposium*: Does the Knowing Mind Contribute to the Structure of the Object Known? Prof. G. Dawes Hicks and Dr. H. Wildon Carr.

ROYAL SOCIETY OF ARTS, at 4.30.—The Effect of the War on the Economic Condition of the United Kingdom: E. Crammond.

TUESDAY, MARCH 5.

ROYAL INSTITUTION, at 3.—The National Physical Laboratory: Sir R. T. Glazebrook.

ZOOLOGICAL SOCIETY, at 5.30.—The External Characters of the Lemurs and Tarsius: R. I. Pocock.—A Classification of the Pylalidæ, Subfamily Hypsotropinæ: Sir George F. Hampson.

INSTITUTION OF CIVIL ENGINEERS, at 5.30.—Modern Developments in Gasworks Construction and Practice: A. Meade.

ROYAL SOCIETY OF ARTS, at 4.30.—Portugal as a Colonial Power: G. Young.

WEDNESDAY, MARCH 6.

GEOLOGICAL SOCIETY, at 5.30.—The Igneous Rocks of the Lake District: J. F. N. Green.

ENTOMOLOGICAL SOCIETY, at 8.

ROYAL SOCIETY OF ARTS, at 4.30.—The Foundation of Industrial Peace: A. H. Paterson.

THURSDAY, MARCH 7.

INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—The Control of Large Amounts of Power: E. B. Wedmore.

INSTITUTION OF MINING AND METALLURGY, at 5.30.—The Application of Charcoal to the Precipitation of Gold from its Solution in Cyanide: H. R. Edmonds.—Blast-furnace Smelting of Stibnite, with considerations on the Metallurgy of Antimony: W. R. Schoeller.—A "Responsive" Shaft Signal Device: B. Angwin.

LINNEAN SOCIETY, at 5.—(1) The Mimetic and Mendelian Relationships of the "White Admirals" of North America (with Lantern Slides). (2) A New Mimetic Form of *Pseudacraea paggei* (Dewitz) from ex-German East Africa, with other African Mimics of *Danaida chrysippus* (Linn.): Prof. E. B. Poulton. Mimetic Species of the African Nymphaline Genus *Pseudacraea* and Lycaenid Genus *Mimacraea*, together with their Acraeine and Danaidine Models and Some of their Co-mimics: Lord Rothschild.

FRIDAY, MARCH 8.

ROYAL INSTITUTION, at 5.30.—Vibrations: Mechanical, Musical, and Electrical: Prof. E. H. Barton.

SATURDAY, MARCH 9.

ROYAL INSTITUTION, at 3.—Problems in Atomic Structure: Sir J. J. Thomson.

CONTENTS.

PAGE

The New Era in Medicine. By C. A.	501
Museum Management. By Sir F. G. Kenyon, K.C.B.	502
Plant-anatomy in Relation to Evolution. By Prof. A. C. Seward, F.R.S.	502
Our Bookshelf	503
Letters to the Editor:—	
British Scientific Instrument Makers' Research.—	
Conrad Beck	504
Alcohol Fuel and Engines.—Prof. Thomas R. Lyle, F.R.S.	504
The Prefect of the Nile. (<i>Illustrated.</i>) By Dr. Brysson Cunningham	505
A New British Oil Industry	506
The Organisation of Research in Agriculture	507
Notes	508
Our Astronomical Column:—	
Novæ in the Andromeda Nebula	512
New Variable Stars	512
Two Spectroscopic Binaries	512
Proper Motion Stars	512
Military Aeronautics	512
The Association of Technical Institutions	513
The Exploitation of the Sea-fisheries. By J. J.	514
Seismic Disturbances Connected with the Guatemala Earthquake	514
The Pittsburgh Meeting of the American Association University and Educational Intelligence	515
Societies and Academies	517
Books Received	520
Diary of Societies	520

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