phagocytic resorption of the reproductive elements in the seminal vesicles of Lumbricus herculeus: Louis Brasil. On the practical importance of the determination of the arterial pressure to avoid accidents in anæsthesia: L. Hallion. Remarks on a recent note of M. Tissot, and M. Duplay in 1900 on the same subject.—The influence of the radium emanation on the toxic power of snake poison: C. Phisalix. Cobra poison, which is distinguished by resistance to destruction by heat, is readily destroyed by the radium radiations. On the other hand, the poisons from the salamander and toad are unaffected by the emanation .-The application of the vowel siren to the study of deafness: M. Marage. Each kind of deafness gives a special curve with this instrument, the form of which is characteristic of the seat of the lesion.—The glandular atrophic action of the X-rays: Foveau de **Courmelles.** The ovaries, the breasts, and the lymphatic ganglions can be atrophied under the action of the X-rays.—On the application of thermometry to water supply: E. A. Martel.—The coal formation in the Balkans: L. De Launay .- On the uniformity of composition of the Amana meteorites: G. D. Hinrichs.

DIARY OF SOCIETIES.

ROYAL SOCIETY, at 4.30.—The Rate of Transmission of the Guatemala Earthquake of April 10, 1902: R. D. Oldham.—Ionic Sizes in Relation to the Conductivity of Electrolytes: W. R. Bousfield — Explosions of Mixtures of Coal Gas and Air in a Closed Vessel: L. Bairstow and A. D. Alexander.—On some Continuous Observations on the Rate of Dissipation of Electric Charges in the Open Air: C. Coleridge Farr. ROYAL INSTITUTION, at 5.—Recent Astronomical Progress: Prof. H. H. Turner, F.R.S.
INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Report on Experiments carried out at the National Physical Laboratory: On the Effect of Heat on the Electrical and Mechanical Properties of Dielectrics, and on the Temperature Distribution in the Interior of Field Coils: Dr. R. T. Glazebrook, F.R.S.—On Temperature Curves and the Rating of Electrical Machinery: R. Goldschmidt.

MATHEMATICAL SOCIETY, at 5.30.—On the Weddle Quartic Surface: Mr.

MATHEMATICAL SOCIETY, at 5.30.—On the Weddle Quartic Surface: Mr. H. Bateman.—On the Projective Relations between Two Planes: Prof. M. J. M. Hill, Dr. L. N. G. Filon and Mr. H. W. Chapman.—On the Theory of Perpetuants: Mr. P. W. Wood.

FRIDAY, MARCH 10.

ROYAL INSTITUTION, at 9.—The Structure of the Atom: Prof. J. J.

Thomson, F.R.S.

ROVAI. ASTRONOMICAL SOCIETY, at 5.—Theory of the Motion of the Moon. Part IV.: Prof. E. W. Brown—The Great Nebula of \$\psi\$ Eridani: Dr. Max Wolf.—Observations of Uranus and Saturn: C. J. Merfield.—Observations of Uranus at Windsor, New South Wales: John Tebbutt.—The Spectroheliograph of the Solar Physics Observatory: W. J. S. Lockyer.—Nebular Photography; a Suggestion: W. S. Franks.—The Late Leonids of November, 1904: Rev. S. J. Johnson.—Magnetic Disturbances and their Association with Sun-spots; a Reply: E. W. Maunder.—Promised Papers: On the Large Sun-spot of 1905, January 29-February 11, and the Contemporaneous Magnetic Disturbances, observed at the Royal Observatory, Greenwich (communicated by the Astronomer-Royal).—Notes on the Siderostat and Cælostat: H. C. Plummer.

Plummer.

MALACOLOGICAL SOCIETY, at 8.—On a Dibranchiate Cephalopod from the Eocene of Arabia: G. C. Crick.—Note on the Horizon and Locality of the Type Specimen of Pleuronautilus pulcher: G. C. Crick.—New Marine Mollusca from the Collection of the late Admiral Keppel: G. B. Sowetby.—On the Occurrence of Internal Septa in Glypitostonua neuberryanum: G. K. Gude.—Note on a Dart found in the Body Cavity of Helix aspersa: R. G. Barnes.

INSTITUTION OF CIVIL ENGINEERS, at 8.—The Purification of Sewage: F. G. Helsby.—The Purification of Sewage by Hydrolysis and Oxidation: F. O. Kirby.

PHYSICAL SOCIETY, at 8.—On the Stresses in the Earth's Crust before and after the Sinking of a Bore-hole: Dr. C. Chree, F.R.S.—On the Lateral Vibration of Bars of Uniform and Varying Sectional Area: J. Morrow.—On Direct Reading Resistance-Thermometers, with an Appendix on Composite Thermocouples: A. Campbell.

SATURDAY, MARCH II.
ROYAL INSTITUTION, at 3.—Electrical Properties of Radio-active Substances: Prof. J. J. Thomson, F.R.S.

MONDAY, MARCH 13.
SOCIETY OF ARTS, at 8.—Telephony: H. L. Webb.
ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—The Anglo-German Boundary
Expedition in Nigeria: Colonel Louis Jackson, R.E.

TUESDAY, MARCH 14.

ROVAL INSTITUTION, at 5.—Some Recent Biometric Studies: Prof. K. Pearson, F.R.S.
INSTITUTION OF CIVIL ENGINEERS, at 8.—Shipbuilding for the Navy: Lord Brassey, K.C.B.
AËRONAUTICAL SOCIETY, at 8.—Some Recent Experiments in Aërodynamics: P. Y. Alexander.—The Shape of Navigable Balloons: Eric Stuart Bruce.—Automatic Stability: E. C. Hawkins.—Note on an Aluminium Kite: Alan H. Burgoyne.

ANTHROPOLOGICAL INSTITUTE, at 8.15.—Manners and Customs of the Melanesians; Lantern Illustrations: Rev. W. H. Edgell.

WEDNESDAY, MARCH 15.

CHEMICAL SOCIETY, at 5-30.—The Velocity of Oxime Formation in Certain Ketones: A. W. Stewart.—Catechin and Acacatechin; Supplementary Note: A. G. Perkin.—The Action of Ethyl Dibromopropanetetracarboxylate on the Disodium Compound of Ethyl Propanetetracarboxylate; a Correction: W. H. Perkin, jun.—On Glutaconic Acid and the Conversion of Glutaric Acid into Trimethylenedicarboxylic Acid: G. Tattersall.—The Ultra-violet Absorption Spectra of Certain Enol-keto Tautomerides: E. C. C. Baly and C. H. Desch.—Esterification Constants of Substituted Acrylic Acids: J. J. Sudborough and D. J. Roberts.—a-Chlorocinnamic Acids: J. J. Sudborough and T. C. James.—Di-orthosubstituted Benzoic Acids. Part VI. Conversion of Methyl into Ethyl Esters: J. J. Sudborough and T. H. Davies.—Simple Method for the Estimation of Acetyl Groups: J. J. Sudborough and W. Thomas.—Gynocardin, a New Cyanogenetic Glucoside: F. B. Power and F. H. Lees. Entomological Society, at 8.

Stimation of Acetyl Groups: 1, J. Sudoorough and W. Homas.—
Gynocardin, a New Cyanogenetic Glucoside: F. B. Power and F. H. Lees.
ENTOMOLOGICAL SOCIETY, at 8.
ROYAL MICROSCOPICAL SOCIETY, at 8.—A Review of Work done by
Metallographers: J. E. Stead, F.R.S.
ROYAL METEOROLOGICAL SOCIETY, at 7.30.—On the Growth of Instrumental Meteorology: R. Bentley.
MINERALOGICAL SOCIETY, at 8.—On Some New Mineral Localities in
Cornwall and Devon: A. E. I. M. Russell.—On a Crystal of Phenakite
from East Africa: L. J. Spencer.—(1) Notes on Various Minerals from
the Binnenthal, Switzerland.—(2) A New Oxychloride of Copper from
Sierra Gorda, Chili: G. T. Prior and G. F. Herbert Smith.

THURSDAY, March 16.
ROYAL SOCIETY, at 4.30.—Probablie:Papers: A Preliminary Note upon
the Question of the Nutrition of the Early Embryo: E. Emrys-Roberts.
—On Reciprocal Innervation of Antagonistic Muscles. Seventh Note:
Prof. C. S. Sherrington, F.R.S.—On the Absence or Marked Diminution
of Free Hydrochloric Acid in the Gastric Contents, in Malignant Disease
of Organs other than the Stomach: Prof. B Moore, with W. Alexander,
R. E. Kelly, and H. E. Roaf.—On the Heterogenetic Origin of certain
Ciliated Infusoria from the Eggs of a Rotifer: Dr. H. C. Bastian,
F.R.S. F.R.S.

ROYAL INSTITUTION, at 5.-Recent Astronomical Progress: Prof. H. H.

Turner, F.R.S.

Society of Arts, at 4.30.—Manipur and its Tribes: T. C. Hodson.

Linnean Society, at 8.—Contributions to the Flora of Liberia: Dr.

Otto Stapf.—Exhibitions: Penguins and other Birds from the Falkland

Islands, and Scratched Rocks from a Rockhopper's Rookery: R. Val-

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