blood pigment is entirely destroyed. When, however, a biological reducing agent, such as the coccus obtained from a maceration of cheese, is employed, the alternate reduc-tion and oxidation can be reproduced almost indefinitely. --Augustin **Wroblewski**: The soluble ferments of the brain. The presence of catalase, peroxydase, and lipase was proved.—Gabriel Bertrand and M. Javillier: The influence of zinc and manganese on the mineral composition of Aspergillus niger.—Jules **Stoklasa**: The physio-logical importance of manganese and aluminium in the plant cell.—R. Lehmann and C. Vaney: Percentages and qualities of the skins attacked by larvæ of Hypoderma in the Lyonnaise district.—Jules Chalande: Segmentary division in the myriopods.—E. Roubaud: The biological and morphological variations in Stomoxe mutin in tropical Africa.—A. **Gruvel**: Contribution to the systematic study of the Palinuridæ.—Pierre **Kennel**: The adipo-lymphatic bodies of some batrachians.—A. **Dehorne**: Nuclear permutation in the conjugation of *Colpidium colpoda*.— G. **Le Cadet**: The registration of a seismic shock by the large Richard barograph at the central Observatory of Indo-China.

DIARY OF SOCIETIES.

- DIARY OF SOCIETTIES. THURSDAY, MAY 25. Roval Society, at 4.30.—Experiments on the Compression of Liquids at High Pressures: Hon. C. A. Parsons, F.R.S., and S. S. Cook.—Energy Transformations of X-rays: Prof. W. H. Bragg, F.R.S., and H. L. Porter.—Spectroscopic Investigations in connection with the Active Modification of Nitrogen. I. Spectrum of the Afterglow: Prof. A. Fowler, F.R.S., and the Hon. R. J. Strutt, F.R.S.—An Optical Method of Measuring Vapour Pressures; Vapour Pressure and Apparent Super-heating of Solid Bromine: C. Cuthbertson and Mrs. M. Cuthbertson— The Vacuum-tube Spectra of Mercury: Dr. F. Horton.—The Production of Characteristic Röntgen Radiations: R. Whiddington. Roval INSTITUTION, at 3.—Air and the Flying Machine. II. Conditions of Safety for Floaters and Fliers: Dr. W. N. Shaw, F.R.S. RovaL Society of Arts, at 4.30.—N.W.F. Province of India: W. R. H. Merk.

- Merk.
- NerK. INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—The Heating of Cables with Current : S. W. Melsom and H. C. Booth. SATURDAY, MAY 27. Royal INSTITUTION, at 3.—Phases of Bird Life. II. Migration : W. P.

Pycraft.

ARISTOTELIAN SOCIETY (at Oxford in conjunction with Mind Association). —A Symposium on the Relation of Psychology to Metaphysics : G. F. Stout and A. Smith.

MONDAY, MAY 20. ROVAL GEOGRAPHICAL SOCIETY, At 8.20.—The Geographical Conditions affecting the Development of Canada: Prof. W. L. Grant. ARISTOFELIAN SOCIETY, at 8.—A New Law of Identity: Miss E. E. C.

Jones.

 AnistorkLIAN Society, at 5.-A New Law of Identity: Miss E. E. C. Jones. *TUESDAY*, MAY 30.
ROYAL INSTITUTION, at 3.-The Ancient Volcano of Charnwood Forest (Leicestershire): Prof. W. W. Watts, F.R.S. *WEDNESDAY*, MAY 31.
INSTITUTION OF MINING AND METALLURGY, at 8.-Future Economies in Rand Reduction Plants: C. O. Schmitt.-The Roasting of Complex Ores in Gold Assaying: A. C. Hoare.-A Prospector's Method of Gold Assay: G. M. Austin. *THURSDAY*, June 1.
Royal Society, at 4.30.-*Probable Papers*: Experiments on the Restoration of Paralysed Muscles by means of Nerve Anastomosis: Dr. R. Kennedy.-The Mechanism of Carbon Assimilation. Part III.: F. L. Usher and J. H. Priestley.-The Action of Radium Radiations upon some of the Main Constituents of Normal Blood: Miss Helen Chambers and Dr. S. Russ.-The Pathogenic Agent in a Case of Human Trypano-somiasis in Nyasaland: H. S. Stannus and Dr. W. Yorke.-The Experimental Transmission of Goitre from Man to Animals: Capt. R. McCarrison. McCarrison.

ROYAL INSTITUTION, at 3 .- Changes Effected by Light: T. Thorne Baker.

- BARCI. SOCIETV, at 8.15.—On a Possible Therapeutic Use of Strongly Ionised Air: C. E. S. Phillips.—Photographic Action of the Positive Brush Discharge: Charles W. Raffety.
- Brush Discharge: Charles W. Raffety. LINNEAN SOCIETY, at 8. INSTITUTION OF MINING ENGINEERS, at II a.m.—A Flame Test for the Estimation of Oxygen and Black-damp in Naked-light Mines: Dr. J. S. Haldane, F. R.S.—An Experiment on the Effect of Reversing the Main Air-current: James Bain and Dr. J. S. Haldane, F.R.S.—Notes on Contrivances Designed to Prevent Overwinding, with some Instances of their Failure: W. H. Pickering and Granville Poole.—The Otto-Hilgenstock Direct-recovery Process and its Application : Ernest Bury. *FRIDAY*, JUNE 2. ROYAL INSTITUTION, at 9.—Radiotelegraphy: Commendatore G. Marconi.

SATURDAY, JUNE 3. ROYAL INSTITUTION, at 3.-Types of Greek Women: Dr. W. L. Courtney.

FORTHCOMING CONGRESSES.

MAY 30 .- International Sanitary Conference (Prevention of Plague). Paris

June 28 and 20.—Conference on Education and Training of Engineers. London. President: Mr. Alexander Siemens, President of the Institution of Civil Engineers. General Secretary: Dr. J. H. T. Tudsbery. Juty 12-22. — International Association of Seismology. Manchester. President: Prof. Arthur Schuster, F.R.S.

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JULY 25-28.—British Medical Association. Birmingham. President: Dr. H. T. Butlin, Pres.R.C.S. JULY 26-29.—First Universal Races Congress. University of London. President: Lord Weardale. General Secretary: G. Spiller, 63 South Hill Park, Hampstead, London. JULY 29 TO AUGUST 5.—Congress of French Geographical Societies. Roubaix. President: Prince Roland Bonaparte. JULY 30 to AUGUST 2.—Annual Meeting of the Swiss Society of Natural Sciences. Soleure. President: Dr. A. Pfaehler. Inquiries to Secretaries: Dr. Küng (German) and Prof. Brönnimann (French). AUGUST. 12-18.—First International Congress of Pedology. Brussels. President: M. Alexis Sluys. Secretary: W. Vital Plas, 35 Avenue Paul de Jaer, Brussels.

Actors I. M. Alexis Sluys. Secretary: M. Vital Plas, 35 Avenue Paul de Jaer, Brussels.
Atcurst 13-20.—Prehistoric Society of France. Nimes.
Aucurst 13-20.—Prehistoric Society of France. Nimes.
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Aucurst 13-20.—Prehistoric Society of France. Nimes.
General Secretaries, Burlington House, W.
SEPTEMBER 4-6.—Centenary of the University of Christian'a. President of Festival Committee: Prof. Brögger.
SEPTEMBER 9-20.—International Congress of the Applications of Electricity. Turin. President of the Committee of Honour: H.R.H. the Duke of the Abruzi. Honorary Secretary of the Committee: Signor Guido Semenza, Via S. Paolo 10, Milano. International Secretary: Col.
R. E. Crompton, C.B., R.E., Crompton Laboratory, Kensington Court, W. SEPTEMBER 24-30.—International Congress on Tuberculosis. Rome.
Address for inquiries: Honorary Secretary of the National Association for the Prevention of Consumption, 20, Hanover Square, W.

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