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experiments .- Lævo-campholic acid : Marcel Guerbet. A good yield of this acid is obtained by heating *l*-borneol with dehydrated caustic potash in sealed tubes. The acid has a rotation $a_{\nu} = -49.1$.—The alkaline reduction of o-nitrodiphenylmethane : P. **Carré.** Reduction with zinc dust and caustic soda gives o-hydrazodiphenylmethane and o-aminodiphenylmethane.—The influence of aëration on the formation of volatile products in alcoholic fermentation: E. Kayser and A. Demolon. The amounts of aldehyde, L. **Kayser** and A. **Demotion**. The amounts of aldenyde, acids, and esters are all modified by access of air to fermenting liquids. The presence of air, therefore, is an essential condition for the production of bouquet in wine.—The anatomy of the human thymus: Henri **Rieffel** and Jacques **Le Mée.** The two lobes of this gland are not united, but are easily separable, at least in the case of newly born infants. The contact of the thymus with the thyroid doad is not acceptional, this thymus with the thyroid gland is not exceptional; this contact has been observed in 20 per cent. of the glands examined .- The rudimentary organs of the larvæ of the Muscidæ: J. Pantel .- Contribution to the study of the singing voice: M. Marage. Curve tracings are given showing the changes taking place in the transition stage between chest and head notes .- The action of ink on the photographic plate: Guillaume de Fontenay. A criticism of some experiments by M. Darget.—The treatment of Baleri in the horse by orpiment: A. Thiroux and L. **Teppaz.** It is now shown that there are three trypanosomiasis, curable by treatment with orpiment, in-trypanosomiasis, curable by treatment with orpiment, in-Teppaz. It is now shown that there are three forms of festing horses in Gambia, Souma, and Baleri. The diseases caused by *T. congolense* and *T. brucei* still have to be studied from this point of view.—Studies of cancer in mice. The different types of tumours appearing in the same growth : L. Cuenot and L. Mercier.-An enormous urinary calculus in man: A. Guépin. This calculus was removed from a man sixty-eight years of age, measured 8.5 cm. by 6.8 cm. by 4.5 cm., and weighed 220 grams.— The source of the Bise at Thau: MM. Chevallier and Sudry.

DIARY OF SOCIETIES.

DIARY OF SOCIETTES. THURSDAY, JANUARY 21. Roval Society, at 4:30.—Syntonic Wireless Telegraphy ; with Specimens of Large Scale Measurements: Sir O. Lodge, F.R.S., and Dr. A. Muirhead, F.R.S.—The Leakage of Helium from Radio-active Minerals : Hon. R. J. Strutt, F.R.S.—The Mobilities of the Jons produced by Röntgen Rays in Gases and Vapours : E. M. Wellisch.—Determination of the Surface Tension of Water by the Method of Jet Vibration : Prof. N. Bohr.—The Photo-electric Fatigue of Zinc, II. : H. Stanley Allen. LINNEAN SOCIETY, at 8.—The Genus Nototriche, Turcz: Arthur W. Hill.— The Lr ngitudinal Symmetry of Centrospermea: Dr. Percy Groom. Roval INSTITUTION, at 3.—Mysteries of Metals : Prof. J. O. Arnold. INSTITUTION of MINING AND METALLURGY, at 8.—A Theory of Volcanic Action and Ore Deposits, their Nature and Cause: Hiram W. Hixon.— An Instance of Secondary Impoverishment : H. H. Knox.—The Silver Islet Vein : Walter McDermott. FRIDAY, JANUARY 22.

- Islet Vein: Walter McDermott. *FRIDAY*, JANUARY 22.
 Roval INSTITUTION, at 0.—The World of Life : as Visualised and Interpreted by Darwinism : Alfred Russel Wallace, O.M., F.R.S.
 PHYSICAL SOCIETY, at 5.—The Effective Resistance and Inductance of a Concentric Main, and Methods of Computing the Ber and Bei and Allied Functions : Dr. A. Russell.—(1) The Luminous Efficiency of a Black Body (2) The Use of the Potentiometer on Alternate Current Circuits : Dr. C. V. Drysdale.
 INSTITUTION OF CIVIL ENGINEERS, at 8.—Experiments on a Diesel Engine : W. E. Fisher and E. B. Wood. *MONDAY*, JANUARY 25.
 ROVAL SOCIETY of ARTS, at 8.—Electric Power Supply: G. L. Addenbrooke. ROVAL GEOGRAPHICAL SOCIETY, at 8.30.—A Proposed North Polar Expedition : Captain Roald Amundsen.
 INSTITUTE OF ACTUARIES, at 5.—On an Approximate Method of Valuation of Charles.

- Royal OBCHAPHICAL SOCIETY, at 5.30-A Troposed Roth Tolar Expedition: Captain Roald Amundsen.
 INSTITUTE OF ACTUARIES, at 5.-On an Approximate Method of Valuation of Whole-life Assurances, grouped according to Attained Ages. with Allowance for Selection, on the Basis of Olml Mortality: E. H. Erown. TUESDAY, JANUARY 26.
 ROVAL INSTITUTION, at 3.-Albinism in Man: Prof. Karl Pearson, F.R.S. ROVAL ANTHROPOLOGICAL INSTITUTE, at 8.30.-Annual General Meeting. President's Address; The Relation of Anthropology to Classical Studies: Prof. W. Ridgeway.
 MINERALOGICAL SOCIETY, at 8.-On the Identity of Poonabline with Mesolite: Dr. H. L. BOWMAN.-Contributions to the Study of Parallel Growths: Dr. S. Kreutz.-Note on the Spontaneous Crystallisation of Solutions in Sphereiltes: J. Chevalier.-On a Method for Studying the Optical Properties of Crystals: the late Dr. H. C. Sorby, F.R.S.-Some Additional Localities for Idocrase in Cornwall: G. Barrow and H. H. Thomas.-Detrital Andalusite in Tertiary and Post-Tertiary Sand : H. H. Thomas.
- Inomas. INSTITUTION OF CIVIL ENGINEERS, at 8.—*Further Discussion*: High Speed on Railway-curves: J. W. Spiller.—A Practical Method for the Improvement of Existing Railway-curves : W. H. Shortt. *WEDNESDAY*, JANUARY 27. GEOLOGICAL SOCIETY, at 8.—The Conway Succession: Dr. Gertrude L. Eiles.—The Depth and Succession of the Bovey Deposits: A. J. Jukes-Browne

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ROVAL SOCIETY OF ARTS, at 8.—The Part played by Vermin in the Spread of Disease: J. Cantlie. BRITISH ASTRONOMICAL ASSOCIATION, at 5. SOCIETY OF DVERS AND COLORISTS, at 8. -The Locust Bean, and its Practical Application: M. C. Lamb and F. J. Farrell.—Chlorinated Wool: H. P. Pearson.

Wool: H. P. Pearson. *THURSDAY*, JANUARV 28.
ROVAL SOCIETY, at 4.30.—*Probable Papers*: The Action of the Venom of *Septidom haemachates* of South Africa: Sir Thomas R. Fraser, F.R.S., and Dr. J. A. Gunn.—The Colours and Pigments of Flowers with Special Reference to Genetics: Miss M. Wheldale.—The Variations in the Pressure and Composition of the Blood in Cholera; and their Bearing on the Success of Hypertonic Saline Transfusion in its Treatment: Prof. Leonard Rogers, I.M.S.—The British Freshwater Phytoplankton, with Special Reference to the Desmid-plankton and the Distribution of British Desmids: W. West and G. S. West.
ROYAL INSTITUTION, at 3.—Mysteries of Metals: Prof. J. O. Arnold. INSTITUTION of ELECTRICAL ENGINEERS, at 8.—The Parallel Operation of Alternators : Dr. E. Rosenberg.

Alternators: Dr. E. Rosenberg. Royal Society of Arts, at 4.30.—Some Phases of Hinduism: Krishna Gobinda Gupta.

FRIDAY, JANUARY 29. ROVAL INSTITUTION, at 9.—Improvements in Production and Application of Gun-cotton and Nitro-glycerine: Sir Frederick L. Nathan.

SATURDAY, JANUARY 30. SATURDAY, JANUARY 30. ROYAL INSTITUTION, at 3 — Sight and Seeing : Sir Hubert von Herkomer. ESSEX FIELD CLUB, at 6 (at Essex Museum of Natural History, Romford Road, Stratford).—Subsidence of Eastern England and Adjacent Areas : W. H. Dalton.—Some Notes on "Moorlog," a Peaty Deposit dredged up in the North Sea : H. Whitehead and H. H. Goodchild.

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