-Pierre Jolibois, Henri Lefebvre, and Pierre Montagne: Comparison between the effects of the electric spark and of thermal dissociation .--- H. Forestier and G. **Chaudron**: The ferromagnetic characters of stable iron sesquioxide.—Jean **Cournot** and Jean **Bary**: Electrolytic plating of aluminium and light alloys, their adherence and resistance to corrosion by sea water. Aluminium and duralumin were used in these experiments. The deposited metals were cadmium, cobalt, and chromium (all on a copper film), also cadmium directly on duralumin. Detailed accounts of cleaning methods and depositing baths are given. As regards resistance to sea water, copper-chromium deposited on aluminium gave the best results .- A. Sanfourche: The cementation of iron by silicon chloride.—C. Marie and J. Bertheloot: Two causes of error in the electrolytic determination of nickel in the presence of iron. The precipitated oxide of iron retains some nickel and the deposited nickel contains some iron. These errors may sometimes compensate each other. The first error may be prevented by the addition of magnesium sulphate, the second by using a diaphragm of filter paper round the cathode.— Georges Dubois: Geological study of the Flemish coast in the neighbourhood of Gravelines .--- P. Russo : The presence of a large volcanic region in the lower plain of Moulouya (Northern Morocco).—Const. A. Kténas: The evolution of the volcano of Kamenis (Santorin) in 1926.—Louis Besson : Relation between the temperatures of certain months in the year. Taking the mean monthly temperatures at Paris for 123 years, and plotting the figures for July and April against the date, it is seen that there is a remarkable similitude between the two curves; if one curve is displaced seven years the two curves are almost parallel.-J. Magrou: Bacterium tumefaciens in the tissues of plant cancers. The observations described, which agree with those of Robinson and Walkden and of Pinoy, suggest that the agent of cancer in plants acts at a distance, by a mechanism which remains to be explained, on the cells in which it is causing multiplication.-Stefan Jellinek: A biological sign marking the return of spontaneous respiration in cases of apparent death. The first sign of restoration of breathing is a swallowing movement of the larynx and lips.—Alphonse Labbé : Herouardia, a new genus of copepod, intermediate between the Harpacticidæ and the Cyclopidæ.—A. Dorier : The commensalism of the larva of Dactylocladius brevipalpis.-Auguste Lumière and Mme. Montoloy: The formation of abscesses of fixation.

Official Publications Received,

BRITISH AND COLONIAL.

BRITISH AND COLONIAL. Ministry of Finance, Egypt: Survey of Egypt, Geological Survey. The Geography and Geology of the District between Gebel 'Atàqa and El-Galàla El-Bahariya (Gulf of Suez). By Dr. H. Sadek. (Survey of Egypt Paper No. 40.) Pp. viii+120+6 plates. (Oairo: Government Pablications Office.) 10 P.T. Proceedings of the Isle of Wight Natural History Society for 1925. Vol. 1, Part 6. Pp. eccxiii-eccxviii+319-403. (Newport, I.W.: The County Press.) 3s. Union of South Africa: Department of Agriculture. Science Bulletin No. 53: Yoking Oxen to the Plough; a new System. By Dr. W. S. H. Cleghorne. Pp. 14. (Pretoria: Government Printing and Stationery Office.) 3d.

CATALOGUES.

CATALOGUES. Catalogue of General and Industrial Laboratory Appliances. Eighth edition. Pp. 1214. (London: A. Gallenkamp and Co., Ltd.) Medizin und Naturwissenschaften. Mit einem Vorwort von Prof. Dr. Henry E. Sigerist. Pp. xii+103. (Leipzig: Georg Thieme Verlag.) Books on Art and the Decorative Crafts. Catalogue 488, November. Pp. 56. (London: Francis Edwards.) A New Catalogue of Publishers' Remainders and other Purchases. No. 131. Pp. 24. (London: Henry W. Glover.) Firth 'Staybrite': the New Acid-Resisting Steel. Pp. 20. (Sheffield: Thos. Firth and Sons, Ltd.) Cambridge Unipivot Instruments for D.C. Measurements. List No. 160. Pp. 27. (London: Cambridge Instrument Co., Ltd.)

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Diary of Societies.

SATURDAY, DECEMBER 11.

- INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (South-Western District Meeting) (at Vestry Hall, Dawlish), at 2,15.—S. F. C. Church: Twenty Years in an Urban District. North of ENGLAND INSTITUTE OF MINING AND MECHANICAL ENGINEERS (Associates' and Students' Sections) (jointly with Graduate Sections of North-East Coast Institution of Hingineers and Shipbuilders, and Institution of Electrical Engineers) (at Neville Hall, Newcastle-upon-Tyne), at 3.—Joint Discussion on The Production and Transport of Coal by Machinery.
- Tyne), at 3.—Joint Discussion on The Production and Transport of Coal by Machinery. MINING INSTITUTE OF SCOTLAND (at Royal Technical College, Glasgow), at 3.—A. Kyle: Mineral Boring.—Discussions on the following.—Coal-Cutting by Machinery and Conveyors in Scottish Mines, G. L. Kerr.— The Problem of In-bye Transport, D. C. Gemmell.—Miner's Nystagmus, Dr. F. Fergus. Royal. INSTITUTION OF GREAT BRITAIN, at 3.—Dr. C. Rootham : Henry Dependent of the statement of t
- The Problem of In-bye Transport, D. C. Gemmell.-Miner's Nystagmus, Dr. F. Fergus.
 Royal. Instriction of GREAT BRITAIN, at 3.-Dr. C. Roothan: Henry Purcell and his Contemporaries (1).
 Phystological Societry (at London Hospital Medical College), at 3.30.-Demonstrations-A Simple Colorimeter Lamp, H. D. Kay.-An Easily-constructed Ultrafilter, R. S. Aitken and H. D. Kay.-An Easily-constructed Ultrafilter, R. S. Aitken and H. D. Kay.-An Easily-constructed Ultrafilter, R. S. Aitken and H. D. Kay.-An Method of Collecting 'Alveolar Air' during Exercise, A. E. Clark-Kennedy and T. Owen.-The Fractional Analysis of an Expired Breath, R. S. Aitken and A. E. Clark-Kennedy.-Apparatus for Measuring the Osmotic Pressure of Proteins at Constant Hydrogen-Ion Concentration, J. R. Marrach.-Dr. W. A. M. Smart: Some Nomograms of Physiological Interest.-Prof. H. E. Roaf: (a) Apparatus for Measuring the Influence of Intensity of Light on Discrimination of Wavelengths; (b) Effect of Exposure of the Eye to a Coloured Light on its Sensitivity to Various Regions of the Byectrum; (c) Apparatus for Maesuring the After Effects of Exposure of the Eye to any Region of the Spectrum.-S. Wright: A Simple Respiratory Apparatus for Man or Animals.-D. T. Barry: Experimental Lesions of Mitrai and Tricuspid Valves.-E, D. Adrian and R. Eckhard: The Time Relations and Frequency of Impulses in the Optic Nerve.-J. T. Cunningham: The Function of the Scotum.-H. A. Harris: The Growth of the Long Bones in Health and Disease; its Relation to Vitamines and Tissue-Culture.-Dr. F. W. Edridge-Green: The White Equation and its Relation to the Theory of Colour Vision. -F. R. Curtis, A. A. Moncrieff. and S. Wright: On a Supposed Pressor Substance in the Blood of Patients with Hypertension.-I. de Burgh Daly: Effect of Xogue at Societry (Annual General Meeting) (at University College), at 3.30.-J. C. Flugel : Practice, Fatigue, and Oscillation.
 Instructer of Bartish Fousinersmen (Newcastle and District Branch) (at Nevi

MONDAY, DECEMBER 13.

- ROYAL GEOGRAPHICAL SOCIETY (at Lowther Lodge), at 5.—Sir Henry Lyons: Ancient Survey Instruments. Societry of Engineers (at Geological Society), at 5.45.—Prof. F. H. Hummel: The Economic Proportions, and the Stresses in a Solid Masonry. Dam or Buttress, subjected to Water Pressure acting on an Inclined Face.
- INSTITUTION OF ELECTRICAL ENGINEERS (London Students' Section) (at Institution of Mechanical Engineers), at 7.-E. H. Lewis: Payment

- T. G. N. Haldane: The Design of City Distribution Systems, and the Problem of Standardisation. INSTITUTION OF MECHANICAL ENGINEERS (Graduates' Section, London) (jointly with Student Sections of the Institutions of Civil and Electrical Engineers), at 7.—E. H. Lewis: Payment by Results. INSTITUTE OF METALS (Scottish Local Section) (at 39 Elmbank Crescent, Glasgow), at 7.30. Protection Coating of Metals:—C. H. Faris: Fescolising.—N. C. Marples: Colorising.—E. A. Ollard: Chromium Platine.
- Plating, N. C. Marples: Colorising. E. A. Ohard, Chromitin Plating, Railway CLUB, at 7.30. W. H. B. Dawson : The Underground Railway, Royal Institute of British Architects, at 8.-G. Drysdale: The Work of Leonard Stokes.
- ARISTOTELIAN SOCIETY (at University of London Club), at 8.-J. Anderson: The Knower and the Known.

INSTITUTE OF CHEMISTRY (Leeds Area Section).-F. Scholefield : Registration of Chemists.

TUESDAY, DECEMBER 14.

- ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Sir William Bragg: The Imperfect Crystallisation of Common Things (4).
 INSTITUTION OF PERROLEUM TECHNOLOGISTS (at Royal Society of Arts), at 5.30.—Dr. W. R. Ormandy, E. C. Craven, Prof. I. M. Heilbron, and H. J. Channon: A Contribution to the Study of the Origin of Petroleum. The Berginisation of Fish Liver Oils and Other Bodies.
- INSTITUTE OF MARINE ENGINEERS, at 6.—G. Ellson: The Remodelling of Charing Cross and Cannon Street Stations. INSTITUTE OF MARINE ENGINEERS, at 6.30.—Presidential Address.