Report on works presented by M. Marx.-Remarks on an eruption of the volcano Mayon in the Isle of Lucon, by the French Consul for the Philippines.—On the convergence of the coefficients in the development of the perturbation function, by M. A. Férand.-Remarks on a memoir of M. Massau on the graphical integration of some partial differential equations, by M. J. Coulon. - On a remarkable point in relations. J. Coulon .- On a remarkable point in relation with the Joule-Thomson effect, by M. Daniel Berthelot. The point at which the inversion of the Joule-Thomson effect occurs is deduced by a graphical construction from the data of Amagat, and the result compared with some recent calculations of M. Van der Waals.—On the distribution of currents and potentials in the periodic state set up in the length of a symmetrical polyphase line presenting capacity, by M. Ch. Eug, Guye.—On resonance in wireless telegraphy, by M. A. Blondei. -Communication by wireless telegraphy with the aid of radio-conductors with polarised electrodes, by M. C. Tissot.-On anhydrous calcium dioxide and the constitution of its hydrates, by M. de Forcand. A thermochemical paper.-On some properties of aluminium, and on the preparation of gaseous hydrogen phosphide, by M. Camille Matignon. Details are given showing how to burn aluminium in steam, carbon monoxide and dioxide, oxides of nitrogen, formic acid, sulphur dioxide and other gases and vapours. The preparation of crystallised aluminium phosphide is described, from which pure PH_3 can be readily obtained.—Combinations of lithium bromide with am-monia, by M. J. Bonnefoi.—The compounds LiBr.NH₃, LiBr.2NH₃, LiBr.3NH₃, LiBr.4NH₃ are indicated by a study of the dissociation pressures. The application of the Clappron formula to these data gives values for the heats of dissociation of these compounds in good agreement with the direct thermochemical measurements.--On two polysulphides of lead and copper, by M. F. Bodroux. The two polysulphides of lead and copper, by M. F. Bodroux. The compounds PhS₅ and Cu₂S₅ are described.—On a mercury chlorosulphide, by M. F. B.droux. A chlorosulphide, Hg₂S₅.HgCl₂ can be prepared, which is stable at ordinary temperatures.—Action of water upon mercurous sulphate, by M. Gouy.—Partial synthesis of levo-rotatory erythritol, by M. L. Maquenne. Wohl's method is applied to xylose, the steps being xylosoxime, acetylxylonic nitrile, erythose-acetasteps being xylosoxime, acetylxylonic mitrie, erythose-aceta-mide, and erythrite.—Preparation of the dialkylamido-dichloran-thraquinones, by M. E. C. Severin.—On a monoiodohydrun of glycol, by MM. E. Charon and Paix-Séailles.—On γ -chloro-crotonic acid, by M. R. Lespieau. A description of the pro-perties of CH₂Cl.CH:CH.CO₂H, its nitrile and ethyl ester.— On the composition of the albumen of the St. Ignatius bean and of the area newslowed bean by MM. Em Bourgular and L lowert of the nux vomica bean, by MM. Em. Bourquelot and J. Laurent. The albumen from these beans yields the same carbohydrates, a mixture of a mannane and a galactane, as the albumen of leguminous beans previously studied. In nux vomica the proportion of galatose found on hydrolysis is very high. These beans, in fact, serve as an advantageous source of crystallised galatose. --Experimental researches upon the evolution of the lamprey, by M. E. Bataillon.-Remarks upon certain points in the lifehistory of the lower organisms, by M. J. Kunstler.-On some new Synclavellæ in the compound Ascidians, by M. Maurice Caullery.-Analysis of marine deposits collected off Brest, by M. J. Thoulet.-The mineral matters in the human foctus during the last five months of pregnancy, by M. L. Hugonenq. —Identity of a bacillus from milk with the pneumobacillus of Friedlænder, by MM. L. Grimbert and G. Legros. The complete identity of these bacilli was shown by a comparative study of their general biology and morphology, and of their action upon carbohydrates.

DIARY OF SOCIETIES. THURSDAY, MAY 31.

THUKSDAF, MAY 31. ROYAL SOCIETY, at 4.30.—Palæolithic Man in Africa : Sir John Evans, F.R.S.—On the Estimation of the Luminosity of Coloured Surfaces used for Colour Discs : Sir W. de W. Abney, F.R.S.—The Sensitiveness of Silver and of some other Metals to Light : Major-General Waterhouse.— The Crystalline Structure of Metals (Second Paper): Prof. Ewing, F.R.S., and W. Rosenhain.—Vapour-density of Bromine at High Temperatures (Supplementary Note): Dr. E. P. Perman and G. A. S. Atkinson. Atkinson.

FRIDAY, JUNE 1.

ROYAL INSTITUTION, at 9.—Bunsen : Sir Henry Roscoe, F.R.S. GEOLOGISTS'ASSOCIATION, at 8.—Our Older Sea Margins : Sir Archibald Geikie, F.R.S.

TUESDAY, JUNE 5.

ANTHROPOLOGICAL INSTITUTE, at 8.30.—The Metric System of Identifica-tion used in Great Britain : Dr. J. G. Garson.

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WEDNESDAY, JUNE 6.

- WEDNESDAY, JUNE 6. GROLOGICAL SOCIETY, at 8.-Mechanically-formed Limestones from Junagadh and other Localities: Dr. J. W. Evans.-Note on the Con-solidated Æolian Sands of Kathiawad: Frederick Chapman.-On Ceylon Rocks and Graphite: A. K. Coomara Swamy. Society of Public ANALYSTS, at 8.-The Determination of Oxygen in Copper by Ignition in Hidrogen: Leonard Archbutt.-Uniformity of the Conduct of Soil Analysis: A. D. Hall.-The Adulteration of Wheaten Flour with Maize: G. Embrey.-A New Colour Reaction for distinguishing between certain Isomeric Allyl and Propenyl Phenols: Alfred C. Chapman. Alfred C. Chapman.
- ENTOMOLOGICAL SOCIETY, at 8.

THURSDAY, JUNE 7

- LINNEAN SOCIETY, at 8.—On a Viviparous Syllid Worm: E. S. Goodrich. —On the Genera Phaeneuron, Gilg., and Dicellandra, Hook f.: Dr. A. Itapf.—On the Structure and Affinities of *Echiurus unicinctus*: Miss Embleton.
- Miss Embleton. CHEMICAL SOCIETY, at 8.—Diphenyl- and Dialphyl-ethylenediamines, their Nitro-derivatives, Nitrates, and Mercurochlorides : W. S. Mills. —Condensation of Ethyl Acetylenedicarboxylate with Bases and β -ketonic Exters : Dr. S. Ruhemann and H. E. Stapleton.—The Constitu-tion of Pilocarpine: Dr. H. A. D. Jowett.—The Nitrogen Chlorides derivable from *m*-Chloroacetanilide and their Transformations : Dr. F. D. Chattaway, Dr. K. J. P. Orton, and W. H. Hurtley.—Derivatives of Cyanocamphor and Homocamphronic Acid : Dr. A. Lapworth. Rint GEN SociETY (St. Bartholomew's Hospital), at 8.—Dr. Lewis Jones will show an Influence Machine of American design.—Mr. James Wims-hurst, F.R.S., will give a short statement of his work in the design and the perfecting of the several forms of his Influence Machine.—Dr. Rémy, of Paris, will show a new Localising Apparatus.

FRIDAY, JUNE 8.

ROYAL INSTITUTION, at 9.—The Effect of Physical Agents on Bacteriał Life: Dr. Allan Macfadyen. PHYSICAL SOCIETY, at 5.—On the Magnetic Properties of Iron and Aluminium Alloys, Part II.: Dr. S. W. Richardson.—Note on Crystallisation produced in Solid Metal by Pressure: W. Campbell.— On the Viscosity of Mixtures of Liquids and of Solutions: Dr. C. H. Less

ROYAL ASTRONOMICAL SOCIETY, at 8.

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