Laboratory at Plymouth, a student of either sex not a member of the University, failing a suitable University applicant.

The proposed new statute affecting the contributions to the University of financially depressed Colleges, passed the Senate on October 30, by 72 votes to 30. The opposition was headed by Prof. Humphry, Prof. Liveing, and Mr. W. N. Shaw. Under the new statute, which has yet to receive the consent of the Queen in Council, depressed Colleges may withhold part of their contribution to the University, and, instead thereof, elect University teachers to Fellowships.

SOCIETIES AND ACADEMIES.

PARIS.

Academy of Sciences, October 27.—M. Hermite in the chair.—Observations of the planet Venus at Nice Observatory, by M. Perrotin. (See Our Astronomical Column.)—On the reduction to the canonical form of differential equations for the variation of arbitrary constants in the theory of movements of rotation, by M. O. Callandreau.—The neutral meridian of Jerusalem-Nyanza, proposed by Italy to fix the universal hour, determined by its horary distance from 120 observatories, by M. Tondini. A list is given of the time-intervals of sixteen important observatories from the Jerusalem meridian, which cuts the equator about 75 kilometres east of Lake Nyanza. This list is part of a larger one giving the latitudes and time-intervals of 120 observatories from the same meridian. —On the developments in series of the integrals of certain differential equations, by M. R. Liouville.—Periodic visibility of interference phenomena when the light source is limited, by M. Ch. Fabry.—Thermo-electric researches, by MM. Chassagny and Abraham. It is well known that if thermo-electric couples be formed from three metals, A, B, and C, the electromotive forces obtained at a given temperature in each case may be expressed by the following equation :—

$$E(AC) = E(AB) + E(BC).$$

The authors have found the following results in some researches on this relation :—

Couples.	Electromotive Forces.		
	Calculated.		Observed.
Iron-Copper	...	0·0010925 volt	...	0·0010926 volt.
Iron-Platinum	...	0·0016842 ,,	...	0·0016842 ,,
Copper-Platinum	...	0·0005917 ,,	...	0·0005917 ,,

—Electrolysis of aluminium fluoride by igneous fusion, by M. Adolphe Minet. The author has previously shown that he had produced aluminium by electrolyzing its fluoride. He now describes the composition and properties of the bath used, and the relation between the constants of the current and those of the electrolyte—(1) when the salts which make up the bath are chemically pure ; (2) when the electrolyte is mixed with other salts.—On amylamines, by M. A. Berg.—On the arteries and veins of nerves, by MM. Quénu and Lejars.—On the changes of colour of the common frog (*Rana esculenta*), by M. Abel Dutartre.—On the anatomy of the grasshopper and lizard, by M. Ch. Contejean.—The rot of the heart of the beetroot, by M. Prillieux.—Seismic motions at Chili : earthquakes of May 23, 1890, by M. A. F. Noguès. Of the eighteen movements recorded, five took place during the spring in the southern hemisphere, one in the summer, four in autumn, and eight in winter. Of the six of which the direction of motion has been exactly determined, three had an east to west direction, one south-west to north-east, one from north to south, and one from south to north.—Experiments on sedimentation, by M. J. Thoulet.—Theory of sedimentation, by M. A. Badoureau.

DIARY OF SOCIETIES.

LONDON.

THURSDAY, NOVEMBER 6.

LINNEAN SOCIETY, at 8.—A Contribution to the Study of the Relative Effects of different parts of the Solar Spectrum on the Assimilation of Plants : Rev. Prof. Henslow.
CHEMICAL SOCIETY, at 8.—The Magnetic Rotation of Saline Solutions : Dr. W. H. Perkin.—Note on Normal and Iso-propylparatoluidine : E. Hori and H. F. Mosley.—The Action of Ammonia and Methylamine on the Oxylepideus : Dr. F. Klingemann and Dr. W. F. Laycock.—Condensation of Acetone Phenanthraquinone : G. H. Wadsworth.

FRIDAY, NOVEMBER 7.
GEOLOGISTS' ASSOCIATION, at 8.—*Conversazione.*

SATURDAY, NOVEMBER 8.
ROYAL BOTANIC SOCIETY, at 3.45.
ESSEX FIELD CLUB (at Loughton), at 7.—Essex Meteorological Records : Rev. T. A. Preston, (Communicated, with some Notes on Dr. Derham's Early Records, by Prof. G. S. Boulger.—Some Notes on Dipsacus sylvestris and D. pilosus, and their Natural Relationship : J. French.

SUNDAY, NOVEMBER 9.
SUNDAY LECTURE SOCIETY, at 4.—Why and how we Eat our Dinner (with Oxy-hydrogen Lantern Illustrations) : Dr. Andrew Wilson.

TUESDAY, NOVEMBER 11.
MINERALOGICAL SOCIETY, at 8.—Anniversary Meeting.—Election of Officers.—Twins of Marcasite in Regular Disposition upon Cubes of Pyrites : Dr. C. O. Trechmann.—Tetartohedrism of Ullmannite : H. A. Miers.—Notes on Cassiterite : R. H. Solly.
INSTITUTION OF CIVIL ENGINEERS, at 8.—Steam on Common Roads : John McLaren.

WEDNESDAY, NOVEMBER 12.
GEOLOGICAL SOCIETY, at 8.—On the Porphyritic Rocks of the Island of Jersey : Prof. A. De Lapparent. (Communicated by the President.)—On a New Species of Trionyx from the Miocene of Malta, and a Chelonian Scapula from the London Clay : R. Lydekker.—Notes on Specimens collected by W. Gowland in the Korea : T. H. Holland. (Communicated by Prof. J. W. Judd, F.R.S.).—Further Notes on the Stratigraphy of the Bagshot Beds of the London Basin (North Side) : Rev. A. Irving.

THURSDAY, NOVEMBER 13.
MATHEMATICAL SOCIETY, at 8.—The Influence of Applied on the Progress of Pure Mathematics : the President.—Spherical Harmonics of Fractional Order : R. A. Sampson.—Proofs of Steiner's Theorem relating to Circumscribed and Inscribed Conics : Prof. G. B. Mathews.—On an Algebraic Integral of Two Differential Equations : R. A. Roberts.—Some Geometrical Theorems : Osher Ber.
INSTITUTION OF ELECTRICAL ENGINEERS, at 8.

FRIDAY, NOVEMBER 14.
ROYAL ASTRONOMICAL SOCIETY, at 8.

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