

University Events

CAMBRIDGE.—At Trinity College, the electors to the Wyse studentship in social anthropology have awarded a studentship of £300 for three years to Gregory Bateson, of St. John's College.

It is announced by the Philosophical Society that the adjudicators for the Hopkins Prize for the period 1930-33 have awarded the prize to Prof. P. M. S. Blackett, for researches on cosmic radiation.

ST. ANDREWS.—At the graduation ceremonial to be held on June 30, the honorary degree of LL.D. is to be conferred on the following, among others: Dr. W. O. Kermack, Royal College of Physicians, Edinburgh; Dr. Angus MacGillivray, ophthalmic surgeon, Dundee; and Sir Arthur Rose, chairman of the Carnegie Trust for the Universities of Scotland.

Societies and Academies

Paris

Academy of Sciences, March 8 (*C.R.*, 204, 733-828).

MARCEL GODCHOT and M^{lle}. GERMAINE CAUQUIL: The molecular transpositions obtained in the dehydration of 4-methylcyclohexylisopropylpinacone.

N. GUNTHER: Nuclei of the Fourier type.

LUCIEN MALAVARD and JOSEPH PÉRÈS: The corrections for the walls in the case of a tunnel of elliptical section.

ALBERT MÉTRAL and FRANÇOIS RAYMOND: A method of measuring the resistance exercised by the air on a railway train.

JEAN DUFAY: Nitrogen lines in the spectra of comets.

JEAN ROUBAUD-VALETTE: The equations of the photon.

RENÉ DUGAS: Quantum mechanics and the last multiplier according to Jacobi.

ERNEST BAUMGARDT: The ultra-sound yield of piezo-electric quartz.

NICOLAS KÜRTE, PAUL LAINÉ and FRANZ SIMON: Experiments on the thermodynamic scale of temperature below 1° K. Results of experiments by the method of adiabatic demagnetization using the large Bellevue magnet.

DOUCHAN AVSEC and MICHEL LUNTZ: Some new forms of electro-convective vortices.

M. HAÏSSINSKY and M^{me}. H. EMMANUEL-ZAVIZZIANO: The preparation of thin layers of titanium by the electrolytic method. Details of a method of preparing thin films of metallic titanium on a lead cathode, of a thickness about 0.1-0.2 mgm./cm.².

PIERRE MESNAGE: The molecular emission spectra of some metallic salts. Description of results obtained with manganese chloride, ferrous bromide and ferrous iodide.

M^{lle}. HOÀNG THI NGA: The photo-voltaic effects of the naphthalene diamines.

MARCEL CHATELET: The partial precipitation of cobalt by ammonia in excess and the formation of cobaltammine ions.

J. BÉNARD and GEORGES CHAUDRON: The preparation of ferrites by the substitution of ferrous ions in magnetite.

RENÉ DELAPLACE: A method of analysis of saturated and unsaturated gaseous hydrocarbons under very low pressures. Application of the method of fractional distillation of the liquid gases under low pressures, with subsequent separation of the saturated and unsaturated gases by chemical means.

JENS BOE and M^{lle}. MADELEINE GEX: Modifications of the spectra of aqueous solutions of phenylpyruvic acid as a function of the pH and of the time.

ALBERT PORTEVIN and PIERRE CHEVENARD: The cooling transformations of steels.

MARCEL PRETTRE: The heterogeneous combustion of mixtures of carbon monoxide and oxygen on a vitreous surface.

JEAN BARON and PAUL LAFFITTE: The influence of nitrogen on the inflammation of diethylether. The results obtained for the variations of the temperature of inflammation of mixtures of ether, oxygen and nitrogen produced by varying the proportion of nitrogen present are in agreement with the theory of chain reactions.

CHRISTIAN AALL: The influence of the impurities silica, alumina and magnesia on the melting point of calcium carbide. The experimental results are given graphically: the curves showing the lowering of the melting point have not the same form.

M^{lle}. DENISE HIBERT and CLÉMENT DUVAL: Cobaltic chloride. Of various methods available, the best consists in treating a suspension of cobaltic oxide in ether with dry gaseous hydrochloric acid, afterwards removing the ether and excess of acid with a current of dry air.

RENÉ SUTRA: The formation of acetone derivatives of the mercaptals.

M^{lle}. SIMONNE CAILLÈRE: A special mode of alteration of anorthite and a calcium variety of thomsonite.

MARCEL GIGOUT: The Palæozoic series of Adrar n'Dgout (Marrakech Atlas).

EDMOND SAURIN: The Trias of the Phu-Tinh-Gia sheet (North Annam).

LÉONCE JOLEAUD: The very recent morphological evolution of a group of archaic Ungulata, the Damans.

FRÉDÉRIC MARIE BERGOUNIOUX: The faunal relations between the fossil Chelonians of Spain and France.

PIERRE DANGEARD: The zones of marine Algæ of western Morocco.

PAUL DE GRAEVE: The evolution of puric nitrogen during germination.

HENRI GAUSSEN: Young forms and future evolution.

M^{lle}. FERNANDE FLOUS: The transmission of characters in the hybrids of firs.

CONSTANTIN DAWYDOFF: A new metanemertean belonging to a purely marine group, from the Grand Lac of Cambodia.

LÉON BINET and M. V. STRUMZA: Variations of the resistance to anoxhæmia according to the degree of narcosis.

LÉON KÉPINOV: Synergy of adrenalin and of the pituitary hormone. The mechanism of the glycolytic action of adrenalin.

ANDRÉ PAILLOT: The polyembryonic development of *Amicroplus collaris*, a parasite of the larvæ of *Euxoa segetum*.

M^{me}. VÉRA DANTCHAKOFF: The effects of sexual determinism in a feminized male.

ANDRÉ DOGNON, WLADISLAS KOPACZEWSKI and STANISLAS MARCZEWSKI: The absorption of ultra-violet rays by the serum and anaphylaxy.

M^{me}. RAYMONDE DUVAL and JEAN MARIE LE GOFF: The detection of small quantities of cobalt in human urine. The cobalt is concentrated by electrolysis and detected by the α -nitroso- β -naphthol reagent.