

University Events

ABERDEEN.—The King has, on the recommendation of the Secretary of State for Scotland, approved the appointment of Prof. John Stirling Young, professor of pathology in the Queen's University, Belfast, to be regius professor of pathology, in succession to Prof. T. Shennan, who has resigned.

CAMBRIDGE.—D. V. Davies and Dr. W. R. M. Morton have been appointed University demonstrators in the Department of Anatomy.

At Gonville and Caius College, Prof. J. A. Ryle, regius professor of physics, has been elected into a professorial fellowship.

At Pembroke College, W. E. Burcham, Trinity Hall, has been elected into the Stokes studentship for research in physics. Mr. Burcham is engaged in research work in the Cavendish Laboratory.

At St. John's College, Prof. H. A. Harris, professor of anatomy, has been elected into a professorial fellowship.

LONDON.—The Court of the University has accepted an offer of the Harry Price Library of Magical Literature to be on permanent loan in the University Library, and has passed a vote of thanks to Mr. Harry Price for the benefaction.

Dr. F. E. Zeuner has been appointed hon. lecturer in geochronology at the Institute of Archæology.

Societies and Academies

Paris

Academy of Sciences, December 28 (*C.R.*, 203, 1477–1556).

LOUIS BLARINGHEM : A new variety of *Zea Mays* with mahogany-coloured seeds.

GABRIEL BERTRAND and LAZARE SILBERSTEIN : New researches on the comparative amounts of sulphur, phosphorus and nitrogen in plants cultivated on a given soil. Figures are given for fifteen species of plants. Exceptional results were obtained with celery : whilst in forty-six species of plants the ratio sulphur to phosphorus did not exceed 4.02, celery gave a ratio of 11.1.

CHARLES POISSON : Some magnetic rocks in the neighbourhood of Tananarive.

ALEXANDRE MYLLER : The mean torsion of a surface.

ALBERT EDREI : Certain limit invariants of integral series.

VICTOR LALAN : Kinematics and the theory of groups.

OCTAV ONICESCU : Physical laws expressed by statistical chains.

GEORGES FOURNIER : The upper limit of the atomic numbers. On the basis of certain geometrical assumptions, 136 would be the maximum atomic number.

PIERRE JOLIBOIS and ROBERT BOSSUET : Some properties of a spark arising from the surface of an electrolyte connected to the negative pole.

GEORGES COSTEANU and PIERRE BARCHEWITZ : The absorption spectrum of ammonia in the very near infra-red (6000 Å.–9500 Å.).

JEAN LECOMTE : Infra-red absorption spectra and the modes of vibration of organic compounds possessing an ethylene linkage.

JOSEPH BERTHENOD : Connexions by means of couplings with permanent slipping.

RENÉ DELAPLACE : The thermal conductivity of the gaseous saturated hydrocarbons at low pressure.

Results for hydrogen, methane, ethane, propane, normal butane and isobutane are given as curves. For pressures between 0.001 mm. and 0.2 mm. of mercury, the homologues of methane have thermal conductivities increasing with their molecular weights.

WILFRIED HELLER : The slowing down of thixotropic solidification by the amino-acids.

JEAN CHÉDIN : The quantitative study of the intensity and the depolarization of some Raman lines emitted by sulphonitric mixtures.

PIERRE PEYROT : Absolute measurement of the light diffused by liquid benzene.

ALBERT PORTEVIN and EUGÈNE HERZOG : The action of various additions in small proportions on the marine corrosion of extra-mild steel. Results are given graphically of the effects of the presence of aluminium, chromium, nickel, silicon and phosphorus.

PAUL LAFFITTE and ANDRÉ PARISOT : The detonation of ammonium nitrate. Summary of results obtained by the photographic recorder method.

LOUIS MÉDARD and FRANÇOIS DÉGUILLON : The Raman effect of some organic sulphur compounds.

RAYMOND DELABY : The $\beta\gamma$ -ethylenic nitriles and some of their derivatives.

LÉON PALFRAY, SÉBASTIEN SABETAY and PIERRE MASTAGLI : The reducing action of benzylalcoholic potash and of sodium benzyolate on aldehydes. Studies on three aldehydes of different type, cuminic, cenanthic and α -amyleinnamic aldehydes.

GUSTAVE VAVON and ISRAËL CHILOUET : The structure of the menthylamines.

ALBERT KIRRMANN and ROBERT JACOB : Study of the allyl transposition : a trichlorisobutene.

ROBERT FERRER : The intensity of the orbital interaction in salts. The factor of the ions.

Mlle. VERA MALYCHEFF : Contribution to the study of the soils of western Morocco. The brown soil formed at the expense of hamri.

RAYMOND JOUAUST, ROBERT BUREAU and LOUIS ÉBLE : The probable causes of the sudden fading of short radio-electric waves and their relation with magnetic phenomena. There is no evidence to connect these disappearances with magnetic storms.

PIERRE MARIE : The utilization of the Foraminifera in stratigraphy.

ROBERT LEMESLE : The vessels with scalariform perforations of *Eupomatia* and their importance in the phylogeny of Polycarps.

LÉON BERTIN : A series of *Leptocephalus* belonging to the genus *Saccopharynx*.

MME. YVONNE KHOUVINE, BORIS EPHRUSSI and MORRIS HENRY HARNLY : The extraction and solubility of substances intervening in the pigmentation of *Drosophila melanogaster*.

ANDRÉ KLING and GUY LECORDIER : The influence exerted by two war vesicants and by their products of hydrolysis on the values of the interfacial tensions of lipids towards physiological serum and on their absorption.

Mlle. LISE EMERIQUE : Avitaminosis A and nitrogen metabolism.

MME. MARGUERITE AITOFF : The transformations of the fermentation reactions of a dysenteric bacillus by passage through animals.

MAX ARON : Serological researches on the nature of the principle contained in the urine of cancer patients.

JEAN CUILLE and PAUL LOUIS CHELLE : Can the disease known as "tremblante du mouton" be inoculated ? This disease is infectious and inoculable. The virus exists in the nerve centres.