

## University Events

**ABERDEEN.**—The honorary degree of LL.D. was conferred on Dr. E. J. Butler, secretary to the Agricultural Research Council, and on Dr. G. Dahlberg, director of the Institute of Medical Genetics, Uppsala, among others, on March 30. The ordinary degree of D.Sc. was conferred on Dr. D. Robertson, for a thesis entitled "Studies on the Internal Parasites of Sheep in Scotland and the Importance of Nutrition in Regard to their Control."

**CAMBRIDGE.**—The adjudicators consider that the following essays submitted by candidates for the Smith's Prizes and Rayleigh Prizes are of distinction: F. Hoyle, of Emmanuel College, "Beta-Disintegration"; G. L. Clark, of Trinity College, "The Relativity Theory of Gravitation"; G. S. Rushbrooke, of St. John's College, "Strictly-regular Solutions"; A. L. Yoxall, of Sidney Sussex College, "Systems of Equivalence and their Applications to the Geometry of Algebraic Varieties". The Smith's Prizes are awarded to F. Hoyle, of Emmanuel College and A. L. Yoxall, of Sidney Sussex College. Rayleigh Prizes are awarded to G. L. Clark, of Trinity College and G. S. Rushbrooke, of St. John's College.

The General Board recommends: (a) that the following additional University teaching offices be established: A University lectureship in the Faculty of Economics and Politics; two University demonstratorships in the Department of Engineering; (b) that a third assistant directorship of research in colloid science be established and that the General Board be authorized to appoint Dr. H. W. Melville to this post for five years; (c) that a post of assistant in statistical research be established; (d) that three posts of assistant in research in medicine be established from July 1, and that appointments to these posts be made by the Appointments Committee of the Faculty of Medicine, with the approval of the General Board, each for a period not exceeding five years, or for so long as the Rockefeller Foundation continues the grant to the University for this purpose, whichever period is the shorter.

The Board of Research Studies has approved Dr. F. P. Bowden, of Gonville and Caius College, for the degree of Sc.D.

**LONDON.**—Lieut.-Colonel H. E. Shortt has been appointed, as from April 1, to the University readership in medical parasitology tenable at the London School of Hygiene and Tropical Medicine. Since 1934 he has been director of the King Institute of Preventive Medicine, Madras.

## Societies and Academies

### Paris

Academy of Sciences, February 7 (*C.R.*, 206, 385-464).

**GASTON JULIA:** The inversion of the linear operators of Hilbertian space.

**LUCIEN CAYEUX:** The brechoid structure of chalk containing phosphates of the North of France, and its multiple origins.

**CHARLES ACHARD, AUGUSTIN BOUTARIC and MME. MADELEINE ROY:** Viscosimetric researches on serums and solutions of their proteins separated by the cold acetone method.

**PIERRE LEJAY:** Application of the inverted elastic pendulum to levelling the axes of astronomical instruments. This method possesses some advantages over the usual liquid level. It is much more rapid and rather more accurate.

**HENRI EYRAUD:** Some laws of errors in two dimensions.

**GUSTAVE MALÉCOT:** The Mendelian chances and the correlations of heredity.

**STANISLAS GOLAB:** The function representing the distance of a variable point to a fixed ensemble.

**RODOLPHE HENRI GERMAÏN:** The decomposition into primary factors of certain uniform functions.

**DRAGOSLAV S. MITRINIVITCH:** Theorems relating to the differential equation of Riccati.

**ROBERT BALLIEU:** Functions locally univalent in the unit-circle.

**CHI-TAI CHUANG:** A criterion of quasi-normal family and on Schottky's theorem.

**JOSEPH PERES and LUCIEN MALAVARD:** Analogical realizations of flow with jet lines.

**PIERRE CLERGET and RAYMOND MARCHAL:** The working of injection motors and igniting by compression in a rarefied atmosphere. The motor, with double injection, was fitted with mechanical compressor giving an admission pressure of 760 mm. at a height of 2,700 metres. An aeroplane driven by this motor climbed to a height of 7,650 m. without the controls being affected.

**GODOFREDO GARCIA and ALFRED ROSENBLATT:** Stokes's formula in the theory of gravity.

**GLEB WATAGHIN:** The theory of neutrinos.

**PAUL EHRENFEST:** Two negatives of penetrating cosmic rays obtained in the Bellevue magnetic field (10,000-15,000 gauss) and on the existence of a heavy particle.

**MATHIEU DOBINE:** A possible method of determination of the true adsorption of the solvent and of the dissolved body in concentrated solutions.

**GEORGES CARPÉNI:** Electrometry and ultra-violet spectrography of rhodizonic acid. Remarks on titration with iodine.

**GEORGES WOLF:** A method of determining the metals of the alkaline earths. The method is based on the pressure of carbon dioxide obtained by heating a mixture of the three carbonates in a vacuum at temperatures between 630° C. and 840° C.

**FERNANDO GONZÁLES NUÑEZ and EMILO FIGUEROA:** Preparation and study of vanadyl bromide.

**MLLE. YVONNE GARREAU:** Some addition compounds of pyrocatechol.

**MME. ELISABETH JÉRÉMIÈRE:** The lherzolites in the course of serpentinization in the Lorraine Vosges.

**FRANÇOIS KRAUT and ANDRÉ VATAN:** The origin of the clay rocks of the neighbourhood of Confolens (Charente) attributed to the siderolithic. These clays are not, as has been supposed hitherto, siderolithic sediments, but have been formed where they are found.

**ARNOLD BERSIER:** The subsidence in the molassic pre-fosse of the Alps.

**RENÉ BERNARD:** The observation of a new fluorescence phenomenon in the upper atmosphere. The presence and intensity variations of the radiation  $\lambda$  5893 Å. in the light of the sky at twilight.

**JACQUES BARDET, ARAKEL TCHAKIRIAN and MME. RAYMONDE LAGRANGE:** The spectrographic search for traces of elements in sea water. Various precipitates were formed in sea water (60 litres) and examined spectroscopically. By this method all the elements detected by other workers, with the exception of