

of a drop of water of known size, falling through or into a blast of air.

Returning to the artificial electrification of solid or liquid particles, Sir Oliver emphasised the engineering skill which had enabled very high-tension electricity to be applied, in difficult circumstances, continuously without break throughout the year; and mentioned the economical value of the results. He then proceeded to ask whether the natural operations occurring in the atmosphere would always remain beyond human control; or whether precipitation of moisture could not be taken in hand and managed—in ways which seemed no more difficult or unmanageable than the modern theory and treatment of disease; a subject which, like the weather, was at one time left to pious resignation or appeal, without any adequate effort being made to take it in hand and control it.

### University and Educational Intelligence.

CAMBRIDGE.—Lady Teall has presented to the Sedgwick Museum the very valuable collection of rocks and rock-slices made by her late husband, Sir Jethro Teall, St. John's College.

Dr. M. B. R. Swann, Gonville and Caius College, has been reappointed demonstrator of pathology.

Mr. F. P. Ramsey, Allen student and scholar of Trinity College, has been elected to a fellowship at King's College.

The Henry Sedgwick Memorial Lecture will be given at Newnham College by Sir J. J. Thomson, Master of Trinity College, on Saturday, November 29, at 5 o'clock. The title of the lecture is "Radiation."

LONDON.—A University chair of anatomy, tenable at the Middlesex Hospital Medical School, has been instituted as the result of a munificent gift of 20,000*l.* by Mr. S. A. Courtauld; the title of the chair will be "The S. A. Courtauld Chair of Anatomy"; and Dr. Thomas Yeates, at present University professor of anatomy at the School, has been appointed as the first occupant.

The Sir John William Lubbock Memorial Prize in mathematics, of the value of 30*l.*, has been awarded to Miss E. M. Jones, of the Royal Holloway College.

The following doctorates have been conferred: D.Sc. (*Physics*): Mr. W. N. Bond (University College and the Imperial College—Royal College of Science), for a thesis entitled "The Flow of Fluids treated Dimensionally"; D.Sc. (*Chemistry*): Mr. G. E. Foxwell, for a thesis entitled "Collected Researches into By-Product Coking," and another paper; and Miss F. M. Hamer, for a thesis entitled "The Synthesis of an Azocyanine," and other papers.

Prof. H. B. Baker has been appointed representative of the Faculty of Science on the Senate for the remainder of the period 1921-25 in succession to Prof. A. N. Whitehead, who has accepted a chair in the Faculty of Philosophy at Harvard University.

APPLICATIONS are invited for the Wernher Beit chair of pathology in the University of Cape Town. The applications, eight in number, should be sent by, at latest, November 18 to the Secretary, Office of the High Commissioner for the Union of South Africa, Trafalgar Square, W.C.2.

A LECTURER in mechanical engineering is required at the University of Cape Town for twelve months dating from March 1 next. Candidates must be qualified to give instruction on machine drawing and design and the theory of machines. Applications should be sent by November 7 at latest to Prof. Sillick, Royal College of Science, South Kensington, S.W.7.

APPLICATIONS are invited for the principalship of the Wigan and District Mining and Technical College in succession to Mr. S. C. Laws, recently appointed principal of the Northampton Polytechnic Institute, Clerkenwell. The latest date for the receipt of applications is November 29. They should be sent to the chairman of the governing body of the college.

THE council of the Royal Horticultural Society has decided to contribute 105*l.* to the fund which Lord Milner is raising for the Imperial College of Tropical Agriculture. This is a gratifying indication that the premier horticultural society in the world recognises the value of the work that the College is doing for agriculture in the tropics.

A LECTURER in psychology and philosophy will be required in February next at the Rhodes University College, Grahamstown, South Africa. Particulars may be had from the Secretary, Office of the High Commissioner for the Union of South Africa, Trafalgar Square, W.C.2. Applications for the post should be sent not later than November 5 to the Master, Balliol College, Oxford.

THE North of Scotland College of Agriculture Calendar for 1924-25 includes reports on the past year's work, showing that the county extension classes were well attended. The rapid development of the work is shown by the record of attendances during each of the past five years at the systematic classes in agricultural subjects in the extension area of the College: 3035, 13,166, 18,786, 23,436, 33,849. The Central Class report, on the other hand, shows a decrease in the enrolments for degree courses in all subjects except agricultural botany and agricultural zoology. The Edinburgh and East of Scotland College of Agriculture also shows a decrease in the number of students attending Central Classes under each of the heads: day classes, evening classes, rural schools' course, and farmers' class. The College has now entered into possession of its experimental farm of 600 acres at Boghall, and the publication of college reports and leaflets, which has for some time been discontinued, will, one may surmise, be resumed. The list of appointments held by former students shows that appointments were obtained in 1923 in Scotland (2), England (2), Ireland, Hungary, West Africa, Tanganyika, India, Singapore, and Argentina.

HONOURS courses have been established recently in many American universities and colleges with the object of releasing the more highly gifted undergraduates from the trammels of a system designed to meet the needs of the average student. The National Research Council collected material in the shape of reports and suggestions and turned it over to President Aydelotte, of Swarthmore College, who has prepared a critical summary, published by the Council as Bulletin No. 40. In thirty colleges and universities, honours candidates are now required to undertake specific extra tasks, a special course, a thesis, or a comprehensive examination, in addition to doing substantially the same amount of work in regular courses as is done by the pass-men. In nine there are, or will shortly be, in operation schemes for honours based on work superseding the regular requirements during a part, generally the third and fourth years, of the undergraduate course, following a creditable record in the work of the first two years. The honours student has his work outlined for him, not, like the pass-man, in terms of what he must do, but in terms of what he must know. Instead of taking courses he studies a subject. In nearly all cases provision is made for individual supervision and instruction by competent teachers, but not for any great number of special honours lectures or classes.