

Rowland's values at frequent intervals throughout this region.

In order to compare solar and terrestrial wave-lengths a vacuum iron arc was used, the comparison being made either by simultaneous exposures to sun and arc or by successive exposures and independent comparison with neon. A systematic shift of the solar lines to the red was revealed, which increased with both intensity and wave-length, within the region above quoted. It is stated that the dependence on wave-length might be merely an indirect effect of the dependence on intensity, arising from the difficulty in comparing intensities in different regions of the spectrum. Owing to the need for more extended investigation, no attempt is made to form a judgment concerning the nature of the red shift, but the shift itself and its variation with intensity are regarded as real, and as making it impossible to say at present whether or not the Einstein displacement exists in the solar spectrum.

University and Educational Intelligence.

ABERDEEN.—The University Court has appointed Dr. A. W. Borthwick, senior research officer to the Forestry Commission, to the chair of forestry; and Dr. J. Cruickshank, reader in bacteriology in the university, to the chair of bacteriology. Both are first appointments to recently founded chairs.

Sir David Prain has been appointed to deliver a university lecture in the science faculty.

CAMBRIDGE.—Mr. S. Lees, fellow of St. John's College, has been reappointed as Hopkinson lecturer in thermodynamics. Mr. F. Debenham, fellow and tutor of Gonville and Caius College, has been appointed Director of the newly formed Polar Research Institute.

The Pinstent-Darwin Studentship has been allotted to Dr. R. D. Gillespie, of the Cassel Hospital for Functional Nervous Disorders, for the period of three years.

A Scientific Research Fellowship at Girton College of the value of 300*l.* a year is offered for research in mathematical, physical, and natural sciences. Women who are graduates or have taken honours in a final degree examination of any university, and members of the Girton College Roll, are eligible. The appointment will be for three years in the first instance. Applications must reach the Secretary of the College on or before April 12. The proposed course of research, and a dissertation or published work, and other evidence of fitness to undertake the research, are required.

LONDON.—A course of three public lectures on "The Constitution and Evolution of the Stars" will be given by Prof. A. S. Eddington at King's College, at 5.30, on February 22, 24 and March 1. A similar course, on "Some Principles of Therapeutics," will be given at St. Thomas's Hospital Medical School at 5.30, on February 22, 23, and 24, by Prof. D. Murray Lyon. No tickets are required in either case.

Three further courses of free public lectures are announced, namely: "The Morphology of the Vascular Cryptogams in the light of Pre-carboniferous Plants," by Prof. W. H. Lang, at University College, on March 1, 3 and 5, at 5.30; "Active and Passive Immunity," by Dr. R. A. O'Brien, at University College Hospital Medical School, on March 1, 5, 8 and 12, at 5, and "Atomistic Physics," by Prof. A. Sommerfeld, at the Imperial College of Science, on March 3, 9 and 10, at 5.30.

BRITISH Dyestuffs Corporation is again granting facilities to a limited number of university students taking honours schools in chemistry, to enable them to gain an insight into chemical works practice. The students must be of British birth, have no direct connexion with the dyestuffs industry or industries competing with the Corporation, and they must be recommended by their professor of chemistry. Application forms should be returned to the Corporation at 70 Spring Gardens, Manchester, marked "Vacation Course," not later than May 1. If sufficient applications are received, courses are proposed for the periods July 1-28 and September 1-30 only.

THE Ramsay Memorial Fellowship Trustees in their report for 1924-25 give particulars of the eighteen fellowships (including five temporarily vacant) which they are administering. These fellowships are for research in chemistry and are, ordinarily, worth 300*l.* a year for two years. Those awarded in 1924-25 were held at University College, London (5), King's College, London, the Imperial College of Science and Technology, London, Oxford (2), Cambridge (2), Bristol, Manchester, Sheffield, and the Davy-Faraday Laboratories of the Royal Institution, London. Eleven of them were held by fellows from other countries: a Canadian at Cambridge under the direction of Sir Ernest Rutherford, a Dane under Prof. M'Bain at Bristol, a Dutchman under Prof. Robert Robinson at Manchester, a Frenchman under Sir William Bragg at the Royal Institution, a Greek under Prof. E. C. Williams in the Ramsay Laboratory of Chemical Engineering at University College, London, an Italian at Cambridge under Prof. Lowry, a Japanese and a Spaniard under Prof. F. G. Donnan at University College, London, a Norwegian at Sheffield in the Department of Metallurgy, a Swede at King's College, London, under Prof. Richardson, and a Swiss at the Royal School of Mines, Imperial College, under Prof. H. C. H. Carpenter.

THE Commonwealth Fund Fellowships were established a year ago by the Commonwealth Fund of New York, a philanthropic foundation existing since 1918 and supported by gifts from Mrs. Stephen V. Harkness. They are tenable by British graduate students at American universities and are worth about 600*l.* a year for two or, in exceptional cases, three years. A report of the working of the scheme in its first year, issued last November and recently received, shows that every university and university college in Great Britain and Ireland, with one exception, sent in candidates, and that on the final list Cambridge, Durham, Edinburgh, Leeds, London, Manchester, Oxford, Belfast, St. Andrews, and Wales were represented. The chosen subjects of study of the twenty successful candidates are: Agriculture, architecture, botany, chemistry (3), classics, economics (2), English (2), geology (2), history, law, mathematics, medicine (2), and physics (2). The fellowships will be held in the first instance at the following universities: Harvard (3), Yale (2), University of California (2), Cornell (2), University of Wisconsin (2), Johns Hopkins (2), University of Chicago (2), Columbia (2), University of Illinois, Princeton, University of Minnesota. One of the conditions of tenure is that fellows are required to travel for three months in the United States at the end of the first year. Each fellow is asked to submit by the middle of the academic year a plan for travel in connexion with his work, for example, to visit libraries, laboratories, or universities. Advice regarding the plan is offered by the New York office of the Fund, and letters of introduction when possible, and sufficient allowance is made for comfortable travel.