

UNIVERSITY AND EDUCATIONAL INTELLIGENCE.

CAMBRIDGE.—Plans are before the University for doubling the size of the present School of Agriculture, the increase being rendered necessary in order to cope with the large accession of work entailed by the proposed assignment to the Cambridge School of Agriculture of grants from the Development Commissioners for research in plant-breeding and animal nutrition. It is suggested that the new building should extend from the western end of the present school towards Tennis Court Road.

The Site Syndicate has recommended that a site on the south-east corner of the Downing College site should be assigned for the erection of a building for the Forestry Department. The area measures 110 ft. by 36 ft.

Dr. Graham-Smith has been appointed university lecturer in hygiene until September 30, 1916.

Dr. J. Ward, professor of mental philosophy and logic, has been appointed chairman of the examiners for the Moral Sciences Tripos, 1912.

SIR DAVID GILL, K.C.B., F.R.S., will present prizes and certificates to students of the South-Western Polytechnic Institute, Chelsea, on March 15, at 8 p.m. Laboratories and workshops will be open afterward to public inspection.

It is announced in the issue of *Science* for February 9 that conditional gifts of 20,000*l.* to Washington and Jefferson College at Washington, Pa., toward a 100,000*l.* fund, and 10,000*l.* to the Emory and Henry College at Emory, Va., toward a 50,000*l.* fund, were voted at a meeting of the General Education Board of the Rockefeller Foundation last January.

MR. J. C. MAXWELL GARNETT, a son of Dr. William Garnett, educational adviser to the London County Council, has been appointed to succeed Mr. J. H. Reynolds in the principalship of the Manchester Municipal School of Technology. Mr. Garnett had a brilliant career at school and Cambridge, where he was a wrangler in 1902, in the first division of the first class of Part II. of the Mathematical Tripos in 1903, and a Smith's prizeman in 1904. He was for some time connected with the technological branch of the Board of Education, but was later made junior examiner in the elementary branch. His interests are, however, on the technical and scientific side, and he should find Manchester a congenial sphere for the exertion of his activities.

THE report of the executive committee of the Carnegie Trust for the Universities of Scotland, presented at the annual meeting of the Trust held on February 22, points out that the past year completed the first decade of the history of the Trust. The total income for the period amounted to 1,062,931*l.*, out of which 63,546*l.* was expended on research, 368,288*l.* in grants to universities and colleges, 445,373*l.* in payments of class fees for 11,480 individual students, and 30,158*l.* in administration. The income last year amounted to 108,542*l.*, and the gross expenditure to 83,160*l.*, including 7833*l.* for endowment of research, 21,182*l.* for grants to universities and colleges, 50,525*l.* for payments to students, and 3620*l.* for administration. During the year the sum of 339*l.* was voluntarily refunded on behalf of fourteen beneficiaries for whom class fees had been paid by the Trust.

GIFTS amounting to 16,260*l.* have been announced, says *Science*, by the trustees of Columbia University, including 6000*l.* from Dr. William H. Nichols for instruction and research laboratories in chemistry, and 5000*l.* from Mrs. Russell Sage for the E. G. Janeway Library endowment fund at the medical school. From the same source we learn that Transylvania University has announced that the effort to raise a fund of 50,000*l.* has been completed successfully. The largest gifts, apart from 10,000*l.* offered by the General Education Board in May, 1910, were as follows:—6000*l.* from Mr. R. A. Long, of Kansas City; three gifts of 5000*l.* each from Messrs. W. P. Bowers, of Muncie, Ind., Geo. H. Waters, of Pomona, Calif., and J. J. Atkins, of Elkton, Ky. Our contemporary also states that the completion of the 100,000*l.* endowment fund for Oberlin College has made possible the following additions

to the college resources:—the men's building, 30,000*l.*; a new administration building, 10,000*l.*; the completion of the men's gymnasium, 10,000*l.*; for higher salaries, 40,000*l.*; and other endowments, 12,000*l.*

WE regret to learn that the position of Hartley University College, Southampton, at the present time is extremely critical, and unless a further sum of 10,000*l.* is raised by April 1 it is to be feared that the college will lose its status as a university college for Hampshire, Wiltshire, Dorsetshire, and the Isle of Wight. This will mean a very serious setback to education in the south of England, especially in view of the rapid growth of secondary schools throughout the area, all of which look to Southampton as their university. Inspectors appointed by the Advisory Committee of the Treasury visited Southampton in 1909, and although their report was entirely satisfactory as regards the work and development of the college, and its educational value to the area which it is intended to serve, yet the buildings were condemned as inadequate, and attention was directed to the lack of voluntary local support. On these grounds it was proposed that the annual grant of 2250*l.* should be reduced to 1500*l.* for the year ending March 31, 1911, after which date the grant should be entirely discontinued. Eventually, however, as the result of representations made by the college, the full grant was paid, and was renewed for the year ending March 31, 1912, on the understanding that about 31,000*l.* should be raised by that date, to be apportioned approximately as follows:—(a) 5000*l.* for the purchase of the new college site; (b) 21,000*l.* for the erection of two blocks, to accommodate the arts department (including the day training department); (c) 5000*l.* to form the nucleus of an endowment fund. Strenuous efforts have been made to raise this sum, sixteen committees being formed in various districts, with the result that 15,962*l.* has been given or promised, while the college can dispose of property in Southampton estimated at 5000*l.*, making a total of 20,962*l.* An excellent site has been procured, and satisfactory plans for the new buildings obtained in open competition. The amount available is therefore about 10,000*l.* short of the sum required to be raised by April 1, and if this sum is not forthcoming the college must collapse. It has been the experience of almost all university colleges that once the early difficulties have been mastered the growth of the institution is rapid and its success assured. There is every reason to believe that the result will be the same at Southampton if the additional sum of 10,000*l.* can be secured within the limited time allowed. Donations will be gratefully received by Mr. D. Kiddle, The Registrar, Hartley University College, Southampton.

SOCIETIES AND ACADEMIES.

LONDON.

Geological Society, February 7.—Prof. W. W. Watts, F.R.S., president, in the chair.—Dr. A. H. Cox: An inlier of Longmyndian and Cambrian at Pedwardine (Herefordshire). The inlier comprises a strip of country about a mile in length and half a mile in breadth, situated near the border of Herefordshire and Radnorshire, about fifteen miles south of Church Stretton. Wenlock and Ludlow beds occupy most of the area around Pedwardine, but the occurrence of Cambrian Shale yielding *Dictyonema* has long been known. The *Dictyonema* Shales dip steeply westwards towards a series of red and green conglomerates and grits, with which an occasional thin shale-band is interbedded. The latter beds, previously mapped as Llandovery, are here referred to the Longmyndian. They also dip westwards, and have suffered disturbance, accompanied by overthrusting from the west. They are unfossiliferous, and neither on lithological nor on structural grounds can they be regarded as Llandovery strata resting unconformably upon the Cambrian. The grits at Pedwardine have apparently been carried south-eastwards over the Cambrian along an almost horizontal thrust-plane. There is also present a remnant of Bala grits, which dip gently eastwards, and rest with strong unconformity upon the Cambrian shales. The undisturbed character of these Bala beds suggests that the neighbouring thrust may be