

tongue and their head-form; they crossed the North Sea and kept both their tongue and their shape of head. Sea power is also a potent factor in anthropology, and so far such power in Europe has been in the hands of long-headed stocks. What the long-head has lost in Europe he has gained in countries which lie beyond the seas, by virtue of his command of the sea. It is too soon to speculate on what the head-form of these new trans-oceanic settlements is to be—but all the signs point rather to a victory of the long-heads.

UNIVERSITY AND EDUCATIONAL INTELLIGENCE.

LONDON.—The following advanced courses of lectures, to which admission is free, are now being delivered:—A course, with practical work, in dynamical meteorology, at the Meteorological Office, South Kensington, S.W., by Dr. W. N. Shaw; a course on the Protozoa, at the Lister Institute of Preventive Medicine, Chelsea, S.W., by Prof. E. A. Minchin; a course on metabolism in infancy, at Guy's Hospital, Borough, S.E., by Dr. M. S. Pembrey and Mr. J. H. Ryffel; a course on certain aspects of British ecology, at University College, Gower Street, W.C. The remaining lectures of the last-named course are by Prof. R. H. Yapp (fen vegetation), Prof. G. S. West (the occurrence and distribution of fresh-water algæ), and Mr. A. D. Cotton (the algal vegetation of the salt-marsh and seashore).

MANCHESTER.—The Council of the University, with the approval of the Board of Agriculture and Fisheries, has appointed Mr. W. Percy Middleton Stock Officer for the counties of Lancashire and Cheshire. Mr. Middleton will be attached to the Department of Agriculture, and will be given an office in the University buildings as well as an office in a central position in each of the two counties.

OXFORD.—The annual report of the Committee for Geography, just published, gives a full account of the work done in the geographical department during the past year. The number of students working at geography was forty-one (twenty-three men and eighteen women). Lectures to the number of 124 were delivered by the professor (Dr. A. J. Herbertson, Wadham College) and his assistants, the subjects including natural regions of the British Empire, economic geography, Central Europe, the geographical distribution of man, climate and vegetation regions, topography of Europe, the Oceans, the British Isles, meteorology, influence of the geography of Greece on its political history, and the art of geographical description. Besides these, special lectures were given by Prof. T. Edgeworth David, Sir Ernest Shackleton, and others. Many field excursions were undertaken, and the report includes a long list of gifts to the library and collections. A successful vacation course was held in August, which was attended by 160 pupils (54 men and 106 women).

SHEFFIELD.—Dr. A. J. Hall has been appointed to the post of lecturer in medicine.

THE Central Committee for National Patriotic Organisations, 62 Charing Cross, W.C., has issued, at the price of 2d., a list of publications bearing on the war. It comprises the titles of works likely to be useful to those persons anxious to understand the immediate causes and remote origins of the war, of volumes dealing with the war itself or with naval and

military matters generally, and of pamphlets on these subjects sold at 6d. or less. Full particulars are given as to where the volumes may be procured, and the pamphlets may be purchased through the Central Committee.

It was announced to the students of Stevens Institute of Technology at their annual dinner in the Hotel Astor on January 23 that their ten-day campaign to raise 272,000*l.* had yielded 232,854*l.*, and that an extension of time had been granted in which the remainder might be collected. *Science* says that Dr. A. C. Humphreys, president of the institute, made the confident prediction that the whole amount would be raised by the end of the week. From the same source we learn that the Harvard University corporation has set aside 20,000*l.* to pay Belgian professors who have been driven from their land by the war and may give courses at Harvard University next year. Mr. J. R. Magee has left 4000*l.* and a certain further residuary portion of his estate to Haverford College, to be added to the general endowment fund.

THE Association of Teachers of Domestic Subjects has issued its annual report for 1914. During the year important work was accomplished by the association. Miss Ailsa Yoxall's book on the "History of the Teaching of Domestic Economy" was completed for the association; it was reviewed in the issue of *NATURE* for November 19 last (vol. xciv., p. 308). A long-considered salary scale received its final form, and suggested a rate of pay which, if adopted by education authorities, would bring domestic subjects teachers into line financially with those of general subjects. We understand the suggested scale is receiving sympathetic consideration by various education authorities. The report contains detailed accounts of the activities of the different branches of the association throughout the country, and these provide satisfactory evidence of a widespread desire to improve the teaching of the important practical subjects with which the members are particularly concerned.

SOCIETIES AND ACADEMIES.

LONDON.

Royal Society, February 4.—Sir William Crookes, president, in the chair.—Prof. G. H. Bryan and R. Jones: Discontinuous fluid motion past a bent plane, with special reference to aeroplane problems. The present investigation is based on the theory of discontinuous fluid motion, and in particular on the recent developments of that subject by Sir G. Greenhill. Its object is to obtain a hydrodynamical estimate of the effects of camber on the lift and drift of a lamina moving through a fluid, the motion being two-dimensional, and regarding the lamina as an aerofoil. Instead of considering continuously curved laminae, the investigation deals with laminae the front and rear portions of which are plane, but which meet at a dihedral angle. The method is applicable to surfaces with two or more bends. The general conclusions are in agreement with experimental results, that a moderate degree of camber is beneficial in increasing the lift without a corresponding increase in drift.—Prof. A. Fowler: A new type of series in the band spectrum associated with helium. The band spectrum associated with helium, as previously described by Curtis and Goldstein, includes bands with single heads and bands with double heads. A preliminary analysis of this spectrum has led to the following conclusions:—(1) The doublets do not follow the ordinary law of band spectra, but can be arranged in two series of the type hitherto exclusively