

excellent faunistic results at the hands of Dr. Horne and the late Dr. Benjamin Peach in 1889. A preliminary report on the results of the first season's excavations was communicated by the committee responsible for the administration of the grant, Mr. J. Graham Callander, Mr. James E. Cree, and Dr. James Ritchie, to the Society of Antiquaries of Scotland at its meeting on Feb. 14.

Of the four caves in which work was carried out, the Reindeer Cave proved to be the most interesting. It contained two bone-bearing deposits, an upper cave-earth, and a lower slightly rounded gravel. The cave-earth contained many bones of still existing species of animals as well as of bears, and two human skeletons or parts of skeletons, one of which, a dolicocephalic skull, had been definitely interred, the first formal interment yet recorded from a Scottish cave. The gravel was remarkable for the vast numbers of shed and broken antlers of young reindeer which were scattered throughout the deposit, a short distance of about twenty feet yielding remains of more than four hundred individual reindeer. Associated with these were remains of other members of an Arctic fauna, and indubitable traces of man were revealed by a simple reindeer horn implement, by humanly cut and scratched reindeer antlers, by rude attempts at engraving, and by fragments of charcoal.

The evidence points to the re-sorting of the reindeer deposit in the cave by a stream, probably of seasonal melt-water, which flowed along the margin or off the surface of a valley glacier the surface of which stood about the level of the caves, 200 feet above the present bed of the stream. Further, the geological evidence, the nature of the fauna, and the state of fossilisation of the bones, all show that the deposit belongs to one of the periods of the Upper Palæolithic series, belonging to Magdalenian or earlier times. Lack of artefacts of cultural significance prevents a more definite conclusion in the meantime.

A further discovery of great interest was made in a large cave, the presence of which was unsuspected until access was gained through the clearing of a narrow vertical chimney 10 feet in depth. In the glacial silt which filled this cave almost to the roof were found bones of reindeer and arctic animals, including remains of the extinct cave-bear and arctic fox, neither of which has hitherto been found in Scotland. The geological evidence suggests that this association represents an arctic fauna present in Scotland in a period of interglacial mildness, prior to the last considerable recrudescence of the ice, and long preceding the valley glaciers of the final ice epoch. No trace of this interglacial fauna has been definitely determined hitherto in northern Britain.

In concluding his presentation of the report on behalf of the Committee, Dr. Ritchie pointed out that further evidence is desirable, particularly as regards the cultural stage of the palæolithic people and as to the members of the cave-bear interglacial fauna, and that with the view of obtaining such evidence, excavation is to be continued during the present summer.

University and Educational Intelligence.

CAMBRIDGE.—P. Hall has been elected to a fellowship at King's College. A. F. H. Ward, Jesus College, has been elected to the Amy Mary Preston Read Scholarship.

The University Appointments Board reports that 396 men were placed in appointments in the past year, including 135 educational appointments, 80 manufacturing and technical appointments, 68 administrative appointments in commerce and industry, 51 in colonial administration, 19 in agriculture and

forestry, and 7 in overseas railways, public works departments and surveys.

It is proposed to confer the title of Registry Emeritus upon Dr. J. N. Keynes in recognition of his great services to the University during the fifteen years of his registryship.

LONDON.—The first course of the series of Gow Lectures on the colloid chemistry of the rubber industry will be given under the auspices of the University by Dr. E. A. Hauser of Frankfort-on-Main, at University College, London (Gower Street, W.C.1) during the first fortnight in May. Full particulars of these lectures will be published later.

MANCHESTER.—Prof. H. S. Raper has been appointed Dean of the Medical School as from July next.

Among those on whom it is proposed to confer honorary degrees on Founders' Day, May 18, are Dr. C. S. Myers, Director of the National Institute of Industrial Psychology, and Prof. Richard Willstätter, formerly professor of chemistry in the University of Munich and Nobel prizeman, who are to receive the degree of D.Sc.

The Hill Prize in bio-chemistry has been awarded to Mr. Eric Boyland.

OXFORD.—A research fellowship in medical science of the value of £200 a year has been established in memory of Dr. Gustave Isidore Schorstein, of Christ Church, Assistant Physician to the London Hospital. Candidates must be graduate members of the University, whether men or women, who hold a registrable medical qualification and are less than thirty-five years of age. Fellows are to be elected, without examination, by the Board of the Faculty of Medicine. The fellowships are tenable for two years, but may be extended by the Board for one further year.

ST. ANDREWS.—A benefactor, who desires his name to be withheld, has offered the sum of £100,000 in appreciation of the progress made in development of the university. Of this sum, £40,000 is to be set aside for the purpose of founding residential entrance scholarships, each of the annual value of £100. These scholarships are to be confined to men students of the United College, and the condition is attached that the holders must reside in an official residence in St. Andrews. Five such scholarships will be open for competition each year, and the first appointments will be made before the beginning of next academical year. Towards the cost of the new Residence Hall for men students, £29,000 has been allocated; the sum of £8000 is to be devoted to the improvement of the University Chapel, and the remainder of the gift, amounting to £23,000, is left at the disposal of the University Court.

An additional contribution of £12,000 on behalf of the Residence Hall has been announced, and Lord Inchcape has given £5000 for the same purpose. Together with other gifts and the £20,000 awarded by the Carnegie Trust as part of the quinquennial allocation to the University, the funds at the disposal of the Court for the building of the residence amount to £70,000. It has been resolved to proceed at once with the scheme.

THE committee of the Leplay House Tours Association is arranging to take two groups of students and others on to the Continent during the coming Easter vacation. One party will go to the Auvergne, a centre of interest to geographers, geologists, and botanists, and the other to Dalmatia, a visit of special interest to students of archæology, history, and sociology. Full particulars can be obtained from Miss Margaret E. Tatton, Leplay House, 65 Belgrave Road, London, S.W.1.