SECTION C.—GEOLOGY.
Sir C. LYELL, the president of this section, postponed his

address on the antiquity of the human race until the Prince Consort was enabled to attend. On the arrival of his royal highaess, Sir Charles said - No subject has lately excited more curiosity and general interest among geologists and the public than the question of the antiquity of the human race; whether or no we have sufficient evidence to prove the forme: co-existence of man with certain extinct mammalia in caves or in the superficial deposits commonly called drift or "diluvium." For the last quarter of a century the occasional occurrence in various parts of Europe of the bones of man or the works of his hands, in cave breecias and stalactites associated with the remains of the extinct byens, bear, elephant, or rhinoceros, have given rise to a suspicion that the date of man must be carried further back than we had heretofore imagined. On the other hand extreme reluctance was naturally felt on the part of scientific reasoners to admit the validity of such evidence, seeing that so many caves have been inhabited by a succession of tenants, and have been selected by man as a place not only of domicile, but of sepulture, while some caves have also served as the channels through which the waters of flooded rivers have flowed, so that the remains of living beings which have peopled the district at more than one era may have substquently been mingled in such caverns and confounded together in one and the same deposit. The facts, however, recently brought to light during the systematic investigation, as reported on by Falconer, of the Brixham Cave, must, I think, have prepared you to admit that scepticism in regard to the cave-evidence in favour of the aptiquity of man-had previously been pushed to an extreme. To escape from what I now consider was a legitimate deduction from the facts already accumulated, we were obliged to resort to bypotheses requiring great changes in the relative levels and drainage of valleys, and, in short, the whole physical geography of the respective regions where the caves are situated-changes that would alone imply a remote antiquity for the human fessil remains, and make it probable that man was old enough to have co-existed, at least, with the Siberian mammoth. But, in the course of the last 15 years, another class of proofs have been advanced, in France, in confirmation of man's antiquity, into two of which I have personally examined in the course of the present summer, and to which I shall now briefly advert. First, so long ago as the vear 1844, M. Aymard, an eminent paleontologist and antiquary, published an account of the discovery in the volcanic district of Central France, of portions of two human skeletons (the skulls, teeth, and bones) embedded in a volcanic breccis, found in the mountain of Denise, in the envirous of Le Puy en Velay, a breccia anterior in date to one at least, of the latest eruptions of that volcanic mountain. On the opposite side of the same hill, the remains of a large number of mammalis, most of them of extinct species, have been detected in tufaceous strats, believed, and, I think, correctly, to

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be stated: We are by no means prepared to maintain that the specimen in the museum at LeiPuy (which unfortunately

