

one : man seems to have been an inhabitant of the island when its general level was from twenty to forty feet lower than now, and the waves broke at full tide against the old coast line. 'The skeleton of a *Balænoptera*,' says Professor Owen, 'seventy-two feet in length, was found,' about thirty years ago, 'imbedded in the clay on the banks of the Forth, more than twenty feet above the reach of the highest tide.' And again, 'Several bones of a whale,'¹ he continues, 'were also discovered at Dunmore rock, Stirlingshire, in brick-earth, nearly forty feet above the present sea-level.' These whales must have been stranded when the old coast line was washed by the waves, and the marginal strip existed as an oozy sea-bottom ; and yet in both cases there were found among the bones primitive weapons made of the pointed branches of deer's horns, hollowed at their broad ends by artificial perforations ; and in one of these perforations the decayed fragments of a wooden shaft still remained. The pointed and perforated pieces of horn were evidently rude lance-heads, that in all probability had been employed against the stranded *cetacea* by the savage natives. Further, where the city of Glasgow now stands, three ancient boats,—one of which may be seen in the Museum of our Scottish Antiquaries in Edinburgh, and another in the Andersonian Museum,—have been dug up since the year 1781 ; the last only four years ago. One of the number was found a full quarter of a mile from the Clyde, and about twenty-six feet above its level at high water. It reposed, too, not on a laminated silt, such as the river now deposits, but on a pure sea-sand. 'It therefore appears,' says Mr. Robert Chambers, in his singularly ingenious work on *Raised Beaches*, 'that we have scarcely an alternative to the supposition that when these vessels foundered, and were deposited where in modern times they have been found, the

¹ Bones of the whale have been found in the clay of the Avon and Severn drifts, in a similar position.—W. S. S.