that dry land existed somewhere in the vicinity, at the period when the oolitic beds were formed or deposited; but no indication that the land was inhabited by terrestrial quadrupeds of the class mammalia, has been hitherto discovered, except in the slate of Stonesfield. In Sussex, the strata above the oolite contain the bones of the megalosaurus and crocodile, and those of turtles, birds, and fish, similar to the fossils of Stonesfield; but the bones of mammiferous quadrupeds are wanting, and many of the shells are fluviatile. Where was the island on which the animals, that have left their bones in the strata of Stonesfield, lived and flourished? This question will be considered in the brief chapter I propose to give of the Geology of England.

The oolite formation, in one waving range of hills, broken only by the vale of the Humber, extends from the sea coast of Dorsetshire near Bridport, to the northern extremity of the Cleveland Hills in Yorkshire. The outcrop of the oolite beds forms the south-western escarpments of this range; and it is truly remarkable, that not a vestige of this formation is found beyond this range, in any of the midland and north-western counties of England. But, some traces of the oolite series have been discovered by Professor Sedgwick, on the north-eastern coast of Scotland, and in the Isles of Sky and Mull in the western Hebrides.

It may be useful to present the reader with the order of succession and thickness of the beds of oolite and lias, as they occur in two distant parts of England, the Bath district, Somersetshire, by Mr. Lonsdale, and the Eastern Moorlands of Yorkshire, by Mr. J. Phillips. They are given in a descending series.

Bath District.				Feet.	Eastern M
Kimmeridge clay,	-		-	150	Calcareous
Upper calcareous g	rit,		-	10	Coralline of
Coral ragg, )	•		-	40	Calcareous
Clay,	-		-	40	Oxford cla
Calcareous grit,	-		-	50	Kelloway
Oxford clay, -	-			300	Cornbrash
Kelloway rock,	-		•	5	Upper san
Cornbrash, -	-		-	16	Impure lin
Forest marble :		)	*		Lower san
Clay,	-		-	15	Ferrugino
Sand and grit.	-			40	Upper lins
Clay,	-	5	-	10	Maristone
Coarse oolite.	-		-	25	Lower lins
Sandy clay and g	rrit.		-	10	and sand
Bradford clay.		1		50	and sant
Great oolite		·	-	140	
Fuller's earth.	-	-	-	150	
Inferior onlite with sand and grit				130	
Marlstone	-	-	5,	10	
Upper lias marl.	-	2	0.000 200	200	
Blue lias	-			50	
White lias	-		-	10	
Lower lias marl, re marl and sandsto	esting one,	g on	red }	20	

Eastern Moorland	s.		Feet.
Calcareous grit,	-	-	60
Coralline oolite,	-	-	60
Calcareous grit.	-	-	80
Oxford clay, -	-	-	150
Kelloway rock.	-	-	40
Cornbrash	-	-	5
Upper sandstone	, shale, an	d coal.	200
Impure limeston	e		30
Lower sandstone	shale an	d coal	500
Ferruginous bed	s and lowe	r oolit	e 60
Upper lias	-	-	200
Marlstone -		_	150
Lower lins resti	ng on red	marl	100
and sandstone.	ap ou reu	mail	500