

Number and Distribution of all the known Species of Fossil Mammalia from Strata older than the Paris Gypsum, or than the Bembridge Series of the Isle of Wight.

TERTIARY.	Headon Series and Beds between the Paris Gypsum and the Grès de Beauchamp.....	14	{	10 English.	
				4 French.	
	Barton Clay and Sables de Beauchamp....	0			
	Bagshot Beds, Calcaire Grossier, and Upper Soissonais of Cuisse-Lamotte. }	20	{	16 French.	
				1 English.	
	London Clay, including the Kyson Sand..	7		{	3 U. States. °
	Plastic Clay and Lignite.....	9	{	7 French.	
2 English.					
Sables de Bracheux.....	1		{	French. †	
Thanet Sands and Lower Landenian of Belgium.....	0				
SECONDARY.	Maestricht Chalk.....	0			
	White Chalk.....	0			
	Chalk Marl.....	0			
	Upper Green Sand.....	0			
	Gault.....	0			
	Lower Green Sand.....	0			
	Wend Clay, &c.....	0			
	Hastings Sand.....	0			
	Upper Purbeck Oolite.....	0			
	Middle Purbeck Oolite.....	14		{	Eng. (Purbeck).
	Lower Purbeck Oolite.....	0			
	Portland Oolite.....	0			
	Kimmeridge Clay.....	0			
	Coral Rag.....	0			
	Oxford Clay.....	0			
	Great Oolite.....	4		{	Eng. (Stonesfield).
	Inferior Oolite.....	0			
	Lias.....	0			
	Upper Trias.....	1	{	Wirtemberg	
				(Stuttgart).	
Middle.....	0				
Lower.....	0				
PRIMARY.	Permian.....	0			
	Carboniferous.....	0			
	Silurian.....	0			
	Cambrian.....	0			

After what has been said at the close of the 27th chapter, pp. 457, 459, and at p. 402, ch. xxv., I have little to add in regard to the bearing of these discoveries in Purbeck on some geological theories hastily embraced, in favor of the non-existence or scarcity, at particular periods, of certain classes of air-breathing animals, on the ground of our not happening at present to have met with any fossil representatives of the same. It is worthy, however, of notice, that in the Hastings Sands there are certain layers of clay and sandstone in which numerous foot-prints of quadrupeds have been found by Mr. Beckles, and traced by

° I allude to several Zeuglodons found in Alabama, and referred by some zoologists to three species.

† The Sables de Bracheux, although somewhat older than the Plastic clay are supposed by Mr. Prestwich to be newer than the Thanet Sands. They have yielded at La Fère the *Arctocyon (Palæocyon) primævus*, the oldest known tertiary mammal.