

must regret is not continued and completed by the highly-gifted author who survives, contains a description of the Stonesfield strata, and a brief enumeration of the fossils which they inclose.\*

On my discovery of the fresh-water character of the strata of Tilgate Forest, I was led to institute a comparison between the fossils of the wealden and those of Stonesfield, and the result appeared in my first work on the Geology of Sussex.† A valuable memoir by Dr. Buckland, on the megalosaurus, again drew attention to these interesting deposits, and hopes were entertained, that this distinguished philosopher would follow up his investigations, and give a full description of the organic remains.

The Stonesfield strata have been ascertained, by Mr. Lonsdale, to belong to the lower division of the great oolite; the following account, by Dr. Fitton,‡ explains the circumstances under which they occur. "In crossing the country from Oxford to Stonesfield, the Oxford clay, with its characteristic fossils, is first observed; this is succeeded by the *Cornbrash*, the uppermost stratum of the great oolite group, which is seen beneath the clay in several quarries on the road-side between Woodstock and Blenheim. The village of Stonesfield is situated on the brow of a valley, both sides of which are deeply excavated by the shafts and galleries that

\* Geology of England and Wales, p. 207.

† Illustrations of the Geology of Sussex, page 37.

‡ Zoological Journal, vol. iii. page 416.