

Thus the sea, previous to the deposition of the horizontal strata, had formed others, which, by the operation of problematical causes, were broken, raised, and overturned in a thousand ways; and, as several of those inclined strata which it had formed at more remote periods, rise higher than the horizontal strata which have succeeded them, and which surround them, the causes by which the inclination of these beds was effected, had also made them project above the level of the sea, and formed islands of them, or at least shoals and inequalities; and this must have happened, whether they had been raised by one extremity, or whether the depression of the opposite extremity had made the waters subside. This is the second result, not less clear, nor less satisfactorily demonstrated, than the first, to every one who will take the trouble of examining the monuments on which it is established.

*Proofs that such revolutions have been numerous.*

But it is not to this subversion of the ancient

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they are now found, admitting it true with regard to some particular strata which might have been crystallized, as Mr Greenough supposes, like the deposit which encrusts the inside of vessels, in which water containing gypsum has been boiled, cannot at least apply to those which contain shells or rolled stones, which could not have waited, so suspended, the formation of the cement by which they were to be agglutinated.