

firms these views. In very many instances, each successive group of the strata above referred to, contains rounded pebbles derived from some of the preceding groups. Those strata, then, from which such pebbles were derived, must not only have been deposited, but consolidated and eroded by water, so as to produce these pebbles, before the rocks now containing them could have been formed. It is impossible that such changes, numerous as they must have been, could have taken place in such short periods of time. There must certainly have been long intervals between the formation of the successive groups.

‘5. The history of the repeated elevations which the strata have undergone, conducts us to the same conclusion. Different unstratified rocks have been intruded among the stratified ones of various epochs, and the strata have been elevated at each epoch. But the oldest strata were partially elevated before the newer ones were deposited : for the latter rest in an unconformable position upon the former. Indeed, we often find numerous groups of strata resting unconformably upon one another, the lowest being most tilted up, the next higher less so, and