

We insert the following document from the respected father of geology: it is a paper of much interest, and deserves the utmost regard of those to whom that science is dear.

As doubts may remain in the minds of many on the Principles of Geology, I shall endeavour to exhibit the principles, long familiar to my mind, in a clear view, opened by the organized fossils, which are the medals creation, the antiquities of nature, and records of time.

It is certain, that by the use of these in Geology we are carried back into a region of supernatural events, not merely to believe, but to see much of what there occurred: — yet beyond a certain extent we cannot go: therefore we must be content to pass over the prinitial interior of the earth, and see that to the stratification there have been consecutive creations and destructions under water, which may be thus arranged.

*Deductions from established Facts of Geology.*

I. CREATIONS OF SOLID INERT MATTER		II. CREATIONS OF ANIMAL AND VEGETABLE LIFE.		III. DESTRUCTIONS OF LIFE PHYSICAL AND SUPERNATURAL.	
The prinitial interior of the earth.		Void of life.		None to destroy.	
(1) This change in the order of things was a general supernatural event.					
SYSTEMS OF STRATIFICATION	1st. Stratification became the residence of aquatic animals.	Time elapsed in forming and consolidations.	a This was the commencement of living beings—a new order of things — physical operations, life, growth, and propagation of species.	Time elapsed in life and growth.	Physically subject to the extinction of life, by decay, or by being the prey of other animals.
	2nd. Stratification became occupied by new races of animals.	So far as life, growth, and propagation of species extend, we may say nature was employed as a agent to mark the stratification, thereby causing intervals of time in the forming process.	b Therefore a second new creation.	Time required for the growth, of animals and plants.	The creation (a) was destroyed by the (2nd Stra.): thus commenced another, a supernatural mode of extinguishing life—a sudden general destruction of young and old, and, consequently, subsequent to the fulfilment of the physical conditions of many of the beings enveloped.
	3rd. Stratification similarly occupied		c Other new created animals and plants.		The creation (b) destroyed by the (3rd Stra.): that of (c) the third by (4th Stra.) and so on successively by numerous alternations of stratification, numerous repetitions of new creations, physical exliteners and destructions, by which new species, genera, and families, appeared, and others became extinct. Such changes as these, which pervade this system, must each be considered supernatural.
					3rd. New order of things, essentially different from any causes now in operation—distinguished by general destruction.
(2) The cessation of the forming process—a great supernatural event.					

(3) First occurrence of Dry Lands, but in what period of time, or in what manner it became dry, we know not, nor have any data.

	The creation — that of land animals, the inhabitants of air, and most of these that inhabit the water, and the greater variety of plants that clothe the earth.	Physically renewed and destroyed — known by bones of young animals.	4th. Order of things, inferred from the bones in the diluvium.
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(4) The great supernatural event or catastrophe of the Deluge, known by loose water-worn stones.

DILUVIAL.  ALLUVIAL.	1st. Local diluvial deposits formed some new land in bays of the sea.		The deluge, which effected (by the agency of water) a most extensive destruction, evinced by bones mixed in with debris. By these bones it is ascertained that there were land animals prior to the deluge and, therefore, the land before that catastrophe was dry, for their reception, and inhabited by them.	5th. Order of things very different from the preceding.

(5) Change of Climate—ascertained by bones in the diluvium of cold climates, which belong to animals of a hot climate, and by an entire elephant preserved in the Ice of Siberia,—how effected we know not—seemingly a consequence of the deluge.

	2nd. Alluvial deposits from rivers and the sea have formed and are still forming new land from other wasting parts.	Reproduction of species.	Successively renewed and destroyed in the order of nature.	6th. Or present order of things, with a partially colder climate.
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We have, therefore, deduced six distinct orders of things, and five principal supernatural events (numbered) beside the very numerous consecutive supernatural destructions, resulting from each forming process in the stratification: to all of which the organized fossils are the only clue. On their use, therefore, mainly depend the broad developments of the science of geology, the identification of strata, and the early made distinctions, which led to a knowledge of the deluge and its prior occurrences.

In the col. II. we see that the Creation is the last, or principal one, of many preceding creations during the earth's formation under water; and in col. III. that the deluge is the last of a long series of supernatural destructions. It is by the help of these, and the peculiar arrangement of the strata, in successively forming parts of the surface, that we are enabled to extend our knowledge deep into the earth.