

ters of the globe. The first rising, or that during which the second porphyry and sienite formations were deposited, cannot be termed a Deluge, as it took place when the mountains were still covered with water, and before the creation of animals and vegetables. The second rising, however, that which deposited the newest floetz-trap formation, may be termed a Deluge, as it took place when the surface of the earth was covered with animals and vegetables, and consequently at a period when much dry land existed.

NOTE E.—(Page 116.)

We sometimes meet with considerable tracts of country, extending through many valleys, and consequently including ranges of mountains, composed of vertical strata of mica-slate or gneiss, and which, to some observers, appear to have no support from older rocks. This observation was stated as an objection to the Wernerian Geognosy, at one of the great public Philosophical Assemblies in this place. If, however, we conduct our examination according to true geognostic principles, we shall experience no difficulty in discovering that these rocks are supported by those which we know to be older, and that, in the one case, the fundamental rock will prove to be gneiss or granite; in the other, it will be granite. In some particular cases, indeed, as when the strata rise towards floetz rocks, or occupy a whole district where the older rocks are not to be seen, the point or line of support

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