

rates facts from hypotheses. Mr. L. makes you acquainted with the former, without urging your assent to the latter.*

Outlines of the Geology of England and Wales; by the Rev. W. D. Conybeare, and the late Mr. W. Phillips; Vol. I. 1822. Unhappily the second volume has never been published: but I have reason to hope that Mr. Conybeare will favour the world with a new work, incorporating, condensing, and completing the volume just mentioned, which is now far behind the actual state of geological science, but it can never lose its value for local descriptions.

De la Beche's *Geological Manual*, 8vo. 1833. Phillips's *Guide* should precede this.

The same author's *Tablet of the Tertiary and Secondary Rocks*.

Viquier and Collon's *Tablet*, drawn from Alex. Brongniart's *Tableau des Terrains*. Paris.

These two are single sheets of paper upon a synoptic plan, and comprising the essence of many volumes: and the same praise is due to the *Tablet* which forms the first plate in Dr. Buckland's *Bridgewater Treatise*; 2 vols. 8vo. 1836. That work is of the richest interest for Palæontology, the study of organic remains; but a previous acquaintance with the mineralogical branch is absolutely necessary, and it did not belong to Dr. Buckland's design and plan to supply that.

A series of exceedingly good systematical papers on Geology and the Minerals, are in the *Penny Magazine*, chiefly during the year 1833; but many since. No. 51, Jan. 19, 1833, contains a little *Tablet* admirably drawn up, perhaps in imitation of Mr. De la Beche's. Also, in the *Saturday Magazine* for the present year 1837, a series has commenced of *Familiar Illustrations of Geology*. Two articles have appeared, viz. in Nos. 329 and 344; and they well answer to their title.

A System of Geology, with a Theory of the Earth, and an Explanation of its Connexion with the Sacred Records. By John Macculloch, M. D., F. R. S. 2 vols. 8vo. 1831. This is a work which, for illustration and amplifying comment, should be read both after, and a second and third time, concurrently with any of the preceding. Indeed I would say, that Professor Phillips's *Guide* and this work would admirably constitute the initial course. Dr. Macculloch was a geologist of a very high order, though he strangely neglected the

* The *Elements of Geology*, published by Mr. Lyell, in 1838, is a single volume, and should be studied before, and then in collation with the *Principles*.