Heteropoda	10
Cephalopoda	69
Trilobites	8
Annulosa	6
Fishes	A few, especially of
the genera Megalichthys	and Holoptychius.

Freshwater life is probably indicated, rather than fully illustrated, by several of the fishes, as Megalichthys—the Unionidæ and certain tribes of fossil plants, as Equisetaceæ?, Hydaticæ, &c., and insects; but of these latter forms we have none yet recorded from Yorkshire.

Terrestrial life is abundantly marked, but only by plants. Of these we have a large catalogue, including the following groups, among which Ferns, Lepidodendra, and Sigillariæ are predominant.

Asterophyllites.	F. Pecopteris.
F. Alethopteris.	Pinites.
Calamites.	Sagenaria.
F. Cyclopteris.	Sigillaria.
Halonia.	F. Sphenopteris.
Lepidodendron.	Ulodendron.
F. Neuropteris.	

Of fruits the most remarkable are Trigonocarpon and Cardiocarpon. The prefix F. marks genera of Ferns.

PALEONISCIAN PERIOD.—Thus, toward the close of the Palæozoic creations, we have in this region unequivocal disclosure of broad surfaces of the old sea-bed in a state fitted for abundant vegetation; this is followed by an epoch of great and extensive disturbance, resulting in the production of a mass of land, on the east of which is a very extensive sea. And again, we perceive the singular effect of watery violence,—extensive wearing and partial levelling of the surface of the uplifted coalmeasures and older strata, before the next class of deposits was produced. This fact is evident in the range of country northward from Aberford, as far as the Tees; but, from the unequal hardness of the materials, the surface is far less uniform than in the admirable example of the Palæozoic series. In this sea new