

The remainder of the teeth in this collection belong to *Cladodus*, *Cochliodus*, *Helodus*, *Petalodus*, *Pleuroodus*, and *Pristodus*, many of which fishes are also found in the Upper Coal-measures, and therefore existed in both waters. W. J. BARKAS, M.R.C.S.E., etc.

PALÆOZOIC STARFISHES.

SIR,—Will you allow me to add another Palæozoic Starfish to your very excellent list given in the January number of the *MAGAZINE*, and which you have probably overlooked. I refer to the genus *Cribellites*, G. Tate (*C. carbonarius*, G. Tate), Proceedings Berwickshire Nat. Field Club, v. p. 71, obtained from a Sandstone in the Carboniferous Limestone series, near Shilbottle, Alnwick.

EDINBURGH, August 10, 1874.

R. ETHERIDGE, JUN.

PROTOGINE.

SIR,—In a very recent number of the *Academy* mention is made of a fossil, in the Museum at Turin, of considerable interest: a fragment of protogine containing remains of plants, which are supposed to prove the sedimentary origin of that rock. But may not the so-called Protogine be a sedimentary rock formed of the elements of Protogine, and whose history is similar to that of some of the varieties of the so-called Arkose, and named by some French geologists *granite régénéré* or *recomposé*? Mr. Scrope, in his excellent description of the volcanic district of Central France, speaks of such a rock not easily distinguished from the Granite, of whose elements it is composed, and on which it lies. There is an example of this exposed in a quarry above the village of Royat, near Clermont-Ferrand.

Many granites may well be supposed to have had a sedimentary origin—for the ultimate analysis of certain sedimentary rocks agrees very closely with that of granite—but it is scarcely conceivable that they should still retain any such proof of such an origin as that which this fragment is said to possess. If this should meet the eye of Mr. Scrope, I would venture to ask him whether the fragment referred to may not improbably be supposed to belong to a rock whose origin is similar to that of the reconstituted Granite of the Limagne of Auvergne.

BULTHY HILL, MIDDLETOWN,
WELSHPOOL, July 29.

ROBERT GARDNER, JUN.

MISCELLANEOUS.

CAPE TOWN.—On June 30th an earnest effort was made by Mr. Fairbridge, Mr. C. Watermeyer, Mr. Dowling, Mr. Solomon, and other influential members of the House of Assembly, to induce Parliament to appoint a GOVERNMENT GEOLOGIST for the Colony. After an animated discussion, on the motion being put, twenty-three members voted for the appointment, and twenty-four against. A little more pressure next session ought to insure a good majority in favour of the appointment. Such a rich and important geological region as the Cape of Good Hope ought no longer to remain unexplored, or only in the hands of amateurs.