

Ceratopyge Limestone are a distinct equivalent of the English Skiddaw.

Conophrys can hardly be separated from the *Shumardia* of Billings (Pal. Foss. Canada, vol. i. p. 92), which occupies a somewhat similar, perhaps a little higher horizon. To the same genus probably also belongs the *Battus pusillus* of Sars (Isis, 1835, p. 334, t. viii. fig. 2 = *Agnostus* or *Olenus pusillus*, Kjerulf), which occurs near Christiania together with *Ceratopyge forficula*.

As to *Lichapyge*, it cannot have any affinity to *Paradoxides*, and hardly to *Lichas*. I little doubt that it is most nearly allied to *Remopleurides*, if not a true *Remopleurides*. In some species of *Remopleurides*, as *R. dorsospinifer*, Portl., it is very usual to find the pygidium united with the two hindmost thoracal segments. The fossil described as *Lichapyge* would have almost the same shape, if the terminal limb had two denticles on either side.

The subgenus *Platypeltis* seems to be more nearly related to *Niobe* than to the genuine *Asaphi*. Also *Niobe* is characterized by not having the hypostoma forked.

G. LINNARSSON.

GEOLOG. SURVEY OFFICE, STOCKHOLM, March 4th, 1878.

GEOLOGICAL MAP OF SCOTLAND.

SIR,—Since the publication of my review of Prof. Geikie's Geological Map of Scotland, it has come to my knowledge that the vast mass of new detail inserted thereupon in the areas south of the Grampians, instead of being due to a digest of Survey work, is in truth the result of the author's recent personal investigations. The map has been the constant occupation of his leisure hours for many years, his summer holidays being generally given up to journeys for its extension and improvement. Even the remarkably minute mapping of the Old Red and Volcanic series of Fife and Forfar, the trappean belt of the Solway, etc., noted by us for especial commendation, was completed by himself before the Survey moved into those districts. Though this deprives the map of anything like an official character, it adds much to its general reliability. It is indeed highly satisfactory to feel assured that all the new work is by the same hand, and that consequently the details throughout are as trustworthy as those within the areas already covered by the Survey. Looked upon as the simple product of individual original research, the map is a monument of rare geologic skill and energy. The author is to be congratulated on having, single-handed, accomplished his task with a perfection and completeness that—however widely views may differ as to the expediency of his new systematic arrangements—has charmed all those whose opinion is worthy of a moment's consideration.

CHAS. LAPWORTH.

St. Andrews, March 20th.

DR. CARL MAYER ON THE ITALIAN TERTIARIES.

SIR,—In the last number of the "Bolletino del R. Comitato Geologico d'Italia" there are again several important papers on the Italian Tertiaries, but that of Dr. Carl Mayer calls for special atten-