

1st. A shock at Valparaiso, noticed in the "Illustrated London News," for January 5th.

2nd. The great earthquake at Algeria, on the 2nd inst., through which the villages of Chiffa el Affran, El Ain Ben Rasmi, and Mouzaïaville were almost destroyed, and the town of Blidah greatly damaged. At Mouzaïaville 37 people were killed and 100 injured, and other mischief done.

3rd. A second shock in Algeria on the 4th January.

4th. A prolonged shock, experienced at San Salvador.

5th. An earthquake causing loss of life and property, and destroying Lixuri, at Cephalonia, on the 5th of February. This shock was also felt at Zante and Patras.

6th. Two shocks felt at Malta, during a calm, on the 4th February.

Yours, etc., L. C. CASARTELLI.

THE CRESCENT, SALFORD,  
February 18, 1867.

#### FISH IN THE DEVONIAN (NOT OLD RED) ROCKS.

Mr. Pengelly has the pleasure to inform Mr. Salter, in reply to the queries contained in his letter which appeared in the GEOLOGICAL MAGAZINE for March last (p. 134), that the information he desires has already been published in the Reports of the British Association for 1862, Trans. Sec., p. 85; in the Geologist, vol. v. p. 456; and in the Trans. Roy. Geol. Soc. of Cornwall, vol. vii. p. 441. The specimen (which consists of a single scale of *Phyllolepis*) is in Mr. Pengelly's private collection.

It was seen and examined by the late Dr. S. P. Woodward, and by Professor Owen, and identified by Mr. W. Davies as the *Phyllolepis concentricus*, of Agassiz, with the figure of which species it agrees well.

The fossil was found by Mr. Alfred Pengelly in the gritty slate, at the foot of the cliff, between Meaford beach and Hope's Nose, Torbay.

Mr. William Pengelly was present, and assisted his son in extracting it from the matrix.

#### LITHODOMOUS PERFORATIONS IN LIMESTONE CLIFFS.

With reference to Mr. D. Mackintosh's letter on Denudation,—which appeared in the GEOLOGICAL MAGAZINE for March, 1867, pp. 136–139,—Mr. Pengelly calls attention to the fact of his having read a paper in Sept. 1864, "On Changes of Relative level of Land and Sea in South-Eastern Devonshire, in connexion with the antiquity of man" (which under the title of "Early Man in Devonshire," was printed, nearly in full, in the "Reader" of Nov. 19, 1864).

Mr. Mackintosh's earliest paper on Denudation appeared in the GEOLOGICAL MAGAZINE, Vol. II. April, 1865, p. 154, and therefore subsequent to Mr. Pengelly's communication.

Mr. Pengelly has no doubt the perforations mentioned by him in his paper (quoted above), to which Mr. Mackintosh refers in his letter, were drilled by marine mollusks; but he has not ventured to refer them to any species of *Pholas*.