

or basic, and andesitic. After pumice, the most striking volcanic products are fragments of basic volcanic glass (sideromelan) nearly always partly, sometimes entirely, decomposed and altered into palagonite, together with palagonitic tufas, generally associated with the deposition of the peroxides of manganese and iron, besides basaltic and other lapilli and volcanic ashes. Great slabs have been dredged showing sometimes distinct

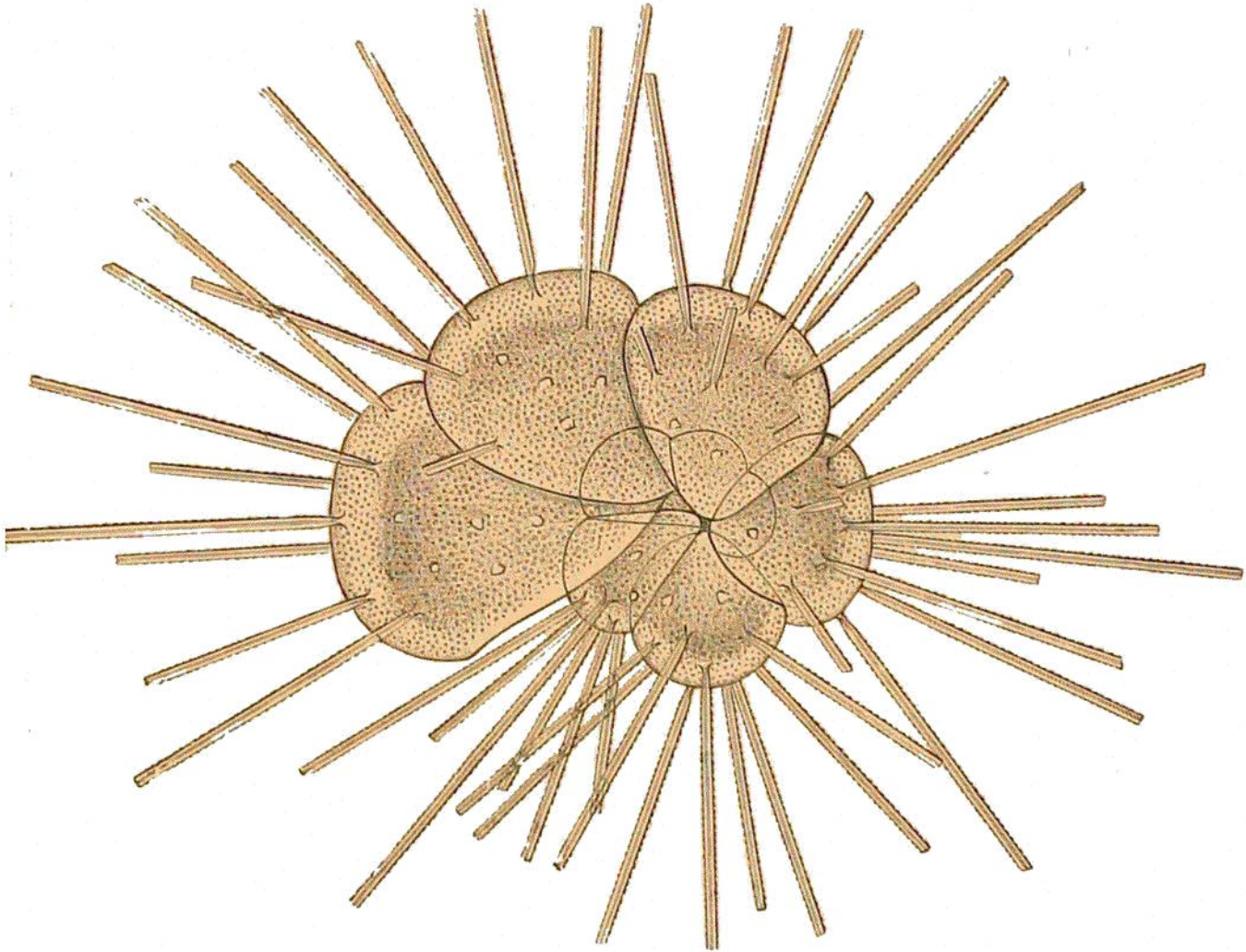


FIG. 121.  
*Hastigerina pelagica*, d'Orbigny. From the surface (♁).

layers produced by showers of volcanic ashes. Minerals of volcanic origin (volcanic dusts) may be carried great distances by the winds, and ultimately find a resting-place on the bottom of the sea.

The continental products consist of fragments of continental rocks and the minerals derived from their disintegration, the characteristic mineral species being quartz. The rock-fragments are usually found only in close proximity to the continental land-masses, though exceptionally found in deep water far from

Continental products.