

coral rock, one to four hundred cubic feet, on the platform and upon the higher parts of the island, some of which stood five and six feet above high-water mark ; they were cemented to the reef-rock below, and appeared like projecting parts of the reef. Layers of beach sand-rock on the lagoon shores, as well as on the seaward side, inclined at an angle of six or seven degrees ; characters as already described. Growing coral in the entrance to the lagoon, within two feet of the surface, mostly a species of *Millepora* (*M. squarrosa*). Interior of the lagoon not examined, no time being allowed for it by the Expedition. The water looked as blue as the ocean, and was much roughened by the winds.

*Kawehe*, or *Vincennes Island*, Paumotu Archipelago,  $15^{\circ} 30'$  S.,  $145^{\circ} 10'$  W. 13 miles by 9, trending north-north-west. Shape irregularly oval. Having a large lagoon, and mostly wooded around, least so to leeward. Between the wooded islets (as on Raraka and elsewhere), surface consisted of angular masses of coral rock (among which the *Porites* prevail), strewed in great numbers together ; and in some parts bearing a few vines and purslane among the blocks, though scarcely any appearance of soil, or even of coral sand. In other parts, not as high, no vegetation, and surface still wet by high tide. A few large masses of coral on the shore platform, either lying loose or firmly attached below, as already described ; some of them were six feet cube, and one was raised seven feet above high-water mark. Shore platform about a hundred yards wide, rather highest at the edge, and much of its surface two to three feet under water at low tide. As elsewhere, this platform is nothing but a compact coral conglomerate or limestone, having no growing coral over it, except in some shallow pools near its outer margin, where also there are numerous holes in which crabs are concealed, with small fish and other animals of the shores. On the lagoon shore, layers of beach sand-rock, six or seven in number, dipping at an angle of seven degrees toward the lagoon, and outcropping one above the other. Similar layers on the sea-shore side.

*Manhii*, *Wilson's* or *Waterlandt*, Paumotu Archipelago,  $14^{\circ}$