

but the two that went to land at the village, found the surf too high to attempt it.

The north shore of Arutua Island was surveyed, when they bore away, and connected it with Nairsa or Dean's Island, along which they ran the whole length of its south side by daylight. The last named island is for the most part a washed reef, with no opening. The compact coral blocks showed themselves here more conspicuously and in greater numbers than before seen.

The following sketch, by Mr. Agate, will illustrate their appearance.



After making the west end of Nairsa, Captain Hudson sighted Krusenstern's Island, and then stood for Metia Island, to the southward, on which the officers landed the next day on its western side. Their examination confirmed the facts already given, relative to its appearance.

Mr. Dana found some recent shells embedded in the limestone, but they had lost their texture.

On this island, the magnetic observations were made, with the Peacock's instruments. Captain Hudson also sounded with the deep-sea thermometer, when within a mile of the island, in six hundred fathoms; the temperature at the surface of the water was  $80\frac{1}{2}^{\circ}$ , that below,  $44\frac{1}{2}^{\circ}$ . The next day they made Tetuaroa, to the northward of Tahiti, formerly celebrated as the resort of the Tahitians, for the purpose of recovering from the bodily diseases brought on by their debaucheries, &c. It is a low island, about six miles long, with a few trees upon it, and a reef off its southern end, extending half a mile. It is plainly to be seen from the high ridges of Tahiti.

On the 14th, the Flying-Fish arrived. She had visited and surveyed King George's Group, which appeared well inhabited, and have entrances to their lagoons on the west side. The native name of the two islands, is Tiokea and Oura. The southwest end of Tiokea is in latitude  $14^{\circ} 31' 12''$  S., longitude  $145^{\circ} 09' 30''$  W.; Oura bears S.  $68^{\circ}$  W., distant four and a half miles. Then the tender passed to Manhii and Ahii, round the north side of Nairsa, or Dean's Island, to Tahiti.