circumstances. It should, however, first be stated that corals are not able to survive even a short exposure in the air to the sun's rays, so that their upward limit of growth is determined by that of lowest water at spring tides. It appears, from some old charts, that the long island to windward was formerly separated by wide channels into several islets; this fact is likewise indicated by the trees being younger on these portions. Under the former condition of the reef, a strong breeze, by throwing more water over the barrier, would tend to raise the level of the lagoon. Now it acts in a directly contrary manner; for the water within the lagoon not only is not increased by currents from the outside, but is itself blown outward by the force of the Hence it is observed that the tide near the head of wind. the lagoon does not rise so high during a strong breeze as it does when it is calm. This difference of level, although no doubt very small, has, I believe, caused the death of those coral-groves which, under the former and more open condition of the outer reef, had attained the utmost possible limit of upward growth.

A few miles north of Keeling there is another small atoll, . the lagoon of which is nearly filled up with coral-mud. Captain Ross found imbedded in the conglomerate on the outer coast a well-rounded fragment of greenstone, rather larger than a man's head: he and the men with him were so much surprised at this that they brought it away and preserved it as a curiosity. The occurrence of this one stone, where every other particle of matter is calcareous, certainly is very puzzling. The island has scarcely ever been visited, nor is it probable that a ship had been wrecked there. From the absence of any better explanation, I came to the conclusion that it must have come entangled in the roots of some large tree: when, however, I considered the great distance from the nearest land, the combination of chances against a stone thus being entangled, the tree washed into the sea, floated so far, then landed safely, and the stone finally so imbedded as to allow of its discovery, I was almost afraid of imagining