appeared from this point to be continued on for about 300 feet more, becoming scantier and scantier. The absolute limit of vegetation may probably be placed at about 2,000 feet. The part explored was somewhat sheltered. A red cone of scoriæ more exposed was quite bare of green from about 1,000 feet elevation upwards.

At about 1,400 feet elevation, the water in a shallow pool exposed to the sun was found to have a temperature of 65° F., the temperature of the air in the shade being 44°. At 900 feet a similar pool, but one which had a small stream of colder water running into it from the cliff, had a temperature of 55°, the air here being at 45°. The thermometer here, when plunged into the midst of a rounded mass of Azorella, rose to 50°. It is evident that these mounds retain and store up a considerable quantity of the sun's heat; and this fact probably yields a partial explanation of their peculiar form, which is that of so many otherwise widely different Antarctic plants, and of some New Zealand Alpine plants (Raoulia, Hastia). No doubt one of the chief causes of assumption of this form is the

power of resistance to the wind thus gained.

The island being of such considerable area, and so short a time having been available for the examination of its flora, no conclusions can be drawn from the absence of certain plants, such as Lyallia, which might have been expected to occur there, since they occur in Kerguelen's Land associated with nearly all those found. Although the few plants on such islands as these are, as a rule, widely spread, yet some appear to be local and somewhat scarce, as, for example, the Aspidium, which was only found at the last moment, under the banks of one of the streams. It is thus highly probable that several plants have been overlooked, and amongst them possibly Lyallia. The nine flowering plants collected in the island are all identical with the species growing in Kerguelen's Land; and the same is the case with the Club-mosses. Of the ferns, two occur in Kerguelen's Land, which has also two others not occurring here.

Fifteen vascular plants in all were found in the Island of

Marion.

Mr. Darwin suggests that Kerguelen's Land has been mainly stocked by seeds brought with ice and stones on icebergs.* The occurrence of *Pringlea* on Marion Island, as also on the Crozets and Kerguelen's Land, probably points, however, to an ancient land connection between these islands, which the antiquity and extent of denudation of the lavas would seem to bear out. It is difficult to see how such seeds as those of

^{* &}quot;Origin of Species," 6th Edition, p. 354.