

prey only upon certain plants, in the absence of which their seeds perish. Should the extinction be due to the cause assigned, then the process would be a gradual one, and not consummated in a single season. Of course, the soundness of the foregoing argument depends upon the odoriferous wood of Juan Fernandez being a true *Santalum*, or a tree of the same nature. Whether the specimen of the wood preserved at Santiago be sufficient to decide this point is uncertain.

Since writing the foregoing, we have accidentally come upon a note by Philippi, in which he states that he is informed by Commander Simpson, of the Chilian navy, that the tree-fellers of Juan Fernandez had lately felled a living tree of the sandalwood, the trunk of which was eighteen inches in diameter.¹

AN ANALYSIS OF THE PHANEROGAMIC AND FERN VEGETATION OF JUAN FERNANDEZ AND MASAFUERA.

The foregoing paragraphs contain the substance of the botanical results separately of the various travellers who have visited the islands, and we are now in a position to deal with these results collectively, and give a general review of the flora.

Table showing the Geographical Distribution of the Vascular Plants of Juan Fernandez and Masafuera, including a few probably naturalised Species, which are indicated below.

Name.	Duration or Habit.	Distribution.		
		Juan Fernandez.	Masafuera.	General.
MAGNOLIACEÆ.				
<i>Drimys confertifolia</i> . . .	Tree	×	...	Endemic.
BERBERIDEÆ.				
<i>Berberis paniculata</i> . . .	Shrub	×	...	Endemic.
<i>Berberis corymbosa</i> . . .	Shrub	×	...	Endemic.
CRUCIFERÆ.				
<i>Cardamine chenopodifolia</i> . . .	Herb	×	...	Uruguay and Entre Rios. South America; and closely allied forms widely spread.
<i>Cardamine flaccida</i> . . .	Annual herb	×	...	
BIXINEÆ.				
<i>Azara fernandeziana</i> . . .	Shrub	×	...	Endemic.
CARYOPHYLLEÆ.				
<i>Stellaria cuspidata</i> . . .	Herb	×	...	Mexico to Chili, and very near the Old World <i>Stellaria nemorum</i> .
<i>Sagina chilensis</i> . . .	Annual herb	×	...	Common in Chili.
<i>Spergularia rubra</i> . . .	Annual herb	×	×	Widely spread in temperate regions.
PORTULACÆÆ.				
<i>Monocosmia corrigioloides</i> . . .	Annual herb	×	...	Common in Chili.
GERANIACEÆ.				
<i>Oxalis laxa</i> . . .	Herb	×	...	Common in Chili.
RUTACEÆ.				
<i>Zanthoxylum mayu</i> . . .	Shrub	×	...	Endemic.

¹ *Botanische Zeitung*, 1870, p. 502.