

It also is a most striking plant. Now, an almost identical species, named *Senecio lagopus*, also occurs on the main mass of Banks Peninsula, which differs from *S. saxifragoides* merely in the possession of numerous bristles on the leaf, whereas in the latter such are absent. Yet, so far as is known, *S. lagopus* does not occur on the Port Hills, nor *S. saxifragoides* on Banks Peninsula proper. If this is truly a fact the distribution of these two species, each equally well suited to the rock-conditions of the area, is one of the most remarkable cases of plant-distribution in the world. To return to the tussock-association, there are certain plants which demand brief mention: such are the lowly *Cotula Haastii*, only known elsewhere on the Canterbury Plains and the Awatere Valley, the wild-irishman (*Discaria toumatou*), the tutu (*Coriaria sarmentosa*), one of the New Zealand brooms (*Carmichaelia subulata*) and the speargrass (*Aciphylla squarrosa*). At the margin of forest or on rocky ground one of the shrubby speedwells (*Veronica leiophylla*) is common, and, like all its congeners, is a pleasing feature of the vegetation.

There are most of the other species listed below, but not dealt with here, in one or other of the Port Hills reserves, but enough has been said to prove that these latter are open-air museums of no mean order, which, prized as they are at present, will increase greatly in educative value year by year.

PROVISIONAL LIST OF FERNS AND FLOWERING-PLANTS OF THE PORT HILLS.

Species, Family, &c.	Maori Name.	English Name.	Habitat.
FERNS (FILICES).			
<i>Hymenophyllum rarum</i> R. Br. .. ..	.. ..	Thin-leaved filmy fern ..	Forest; recorded by Potts, but probably now extinct.
— <i>dilatatum</i> Sw. .. ..	.. ..	Broad-leaved filmy fern	Forest; recorded by Potts, but probably now extinct.
— <i>tunbridgense</i> Sm. .. ..	.. ..	Tunbridge filmy fern ..	Shaded rock; forest.
<i>Trichomanes venosum</i> R. Br. .. ..	.. ..	Veined bristle fern ..	Forest; on tree-fern trunks, but possibly extinct.
<i>Cyathea dealbata</i> Sw.	Ponga ..	Silver tree-fern ..	Forest.
<i>Dicksonia squarrosa</i> Sw.	Weki ..	Slender tree-fern ..	Forest; but now perhaps extinct.
<i>Hypolepis tenuifolia</i> Bernh. .. ..	.. ..	Thin-leaved hypolepis ..	Forest.
<i>Cheilanthes Sieberi</i> Kunze .. ..	.. ..	Sieber's fern ..	Rock.
— <i>tenuifolia</i> Sw. .. ..	.. ..	Thin-leaved cheilanthes	Rock.
<i>Pellaea rotundifolia</i> Hook. .. ..	.. ..	Round-leaved fern ..	Forest, in dry ground.
<i>Pteridium esculentum</i> Cockayne	Rauaruhe ..	Common bracken ..	Hillsides, in open.
<i>Histiopteris incisa</i> J. Sm.	Matata ..	Water-fern ..	Forest.
<i>Blechnum lanceolatum</i> Sturm .. ..	.. ..	Lance-leaved hard fern	Forest.
— <i>discolor</i> Keys .. ..	.. ..	Common hard fern ..	Forest.
— <i>cupense</i> Schlecht	Kiokio; piu ..	Long hard fern ..	Forest; swamp.
— <i>fluviatile</i> Lowe	Kiwikiwi ..	Creek-fern ..	Forest.
— <i>membranaceum</i> Mett. .. ..	.. ..	Membrane-leaved fern ..	Moist rock; forest.
<i>Asplenium flabellifolium</i> Cav. .. ..	.. ..	Drooping-spleenwort ..	Rock, where plenty of soil.
— <i>obtusatum</i> Forst. f.	Tuturanga ..	Sea spleenwort ..	Coastal cliff.
— <i>Hookerianum</i> Col. .. ..	.. ..	Hooker's spleenwort ..	Forest, on stony ground.
— <i>bulbiferum</i> Forst. f.	Mauku ..	Common spleenwort ..	Forest.
— <i>flaccidum</i> Forst. f. (several vars.) .. ..	.. ..	Drooping-spleenwort ..	Forest; rock.
<i>Polystichum vestitum</i> Presl.	Puniu ..	Prickly shield-fern ..	Forest.
— <i>Richardi</i> J. Sm.	Tutoki ..	Black shield-fern ..	Rock; forest.
— <i>hispidum</i> J. Sm. .. ..	.. ..	Hardy-stemmed fern ..	Forest.
<i>Dryopteris glabella</i> C. Chr. .. ..	.. ..	Smooth boss-fern ..	Forest.
— <i>punctata</i> C. Chr. .. ..	.. ..	Hairy polypody ..	Forest.
— <i>pennigera</i> C. Chr.	Pakauroharoha ..	Feather-fern ..	Forest; recorded by Potts.
<i>Polypodium diversifolium</i> Willd.	Paretao ..	Common polypody ..	Forest; rock.
<i>Nothochlaena distans</i> R. Br. .. ..	.. ..	Woolly cloak-fern ..	Rock.
<i>Gymnogramme rutaefolia</i> Hook. & Grev. .. ..	.. ..	Rue-leaved fern ..	Rock.
— <i>leiophylla</i> Desv. .. ..	.. ..	Jersey fern ..	Rock.
<i>Leptopteris hymenophylloides</i> Presl.	Heruheru ..	Single crape-fern ..	Forest.
<i>Ophioglossum coriaceum</i> A. Cunn. .. ..	.. ..	Adder's-tongue ..	Tussock pasture.
<i>Botrychium australe</i> R. Br. .. ..	.. ..	Moonwort ..	Tussock pasture.
FLOWERING-PLANTS (SPERMOPHYTA).			
TAXACEAE.			
<i>Podocarpus totara</i> A. Cunn.	Totara ..	.. ..	Forest.
— <i>spicatus</i> R. Br.	Matai ..	Black-pine ..	Forest.
GRAMINEAE.			
<i>Microlaena avenacea</i> Hook. f. .. ..	.. ..	Forest rice-grass ..	Forest.
— <i>polynoda</i> Hook. f. .. ..	.. ..	.. ..	Forest.
<i>Dichelachne crinita</i> Hook. f. .. ..	.. ..	Long-haired plume-grass	Tussock pasture.
<i>Calamagrostis Forsteri</i> Steud. .. ..	.. ..	Toothed bent-grass ..	Tussock pasture.
<i>Trisetum antarcticum</i> Trin. .. ..	.. ..	Shining oat-grass ..	Rock.
<i>Danthonia semiannularis</i> R. Br. (probably several varieties)	.. ..	Common oat-grass ..	Rock; tussock pasture.
— <i>pilosa</i> R. Br. var. .. ..	.. ..	Hairy oat-grass ..	Tussock pasture.
<i>Arundo conspicua</i> Forst. f.	Toetoe ..	New Zealand reed ..	Hillsides, in open.
<i>Poa caespitosa</i> Forst. f. .. ..	.. ..	Silver-tussock ..	Tussock pasture; rock.
— <i>Colensoi</i> Hook. f. .. ..	.. ..	Blue-tussock ..	Tussock pasture.
— <i>imbecilla</i> Forst. f. .. ..	.. ..	Weak poa ..	Shaded rock.
<i>Festuca novae-zealandiae</i> Cockayne .. ..	.. ..	Tussock-fescue ..	Tussock pasture.
— <i>multinodis</i> Petrie .. ..	.. ..	Drooping-fescue ..	Shaded rock.
<i>Agropyron scabrum</i> Beauv. var. .. ..	.. ..	Blue-grass ..	Tussock pasture.