

LIST OF THE INDIGENOUS PTERIDOPHYTES AND SPERMOPHYTES—*continued*.

Species, Family, &c.	Maori Name.	English Name.	Distribution.			Remarks.
			Beyond New Zealand, or Endemic.	Within New Zealand.	In Stewart Island.	
<b>PTERIDOPHYTA—contd.</b>						
OSMUNDACEAE.						
<i>Leptopteris hymenophylloides</i> (A. Rich.) Fr.	Heruheru ..	Single crape-fern	End. ..	N. C. S.	Forests ..	Not very common.
——— <i>superba</i> (Col.) Pr. ..	Heruheru, punui	Double crape-fern, Prince of Wales's feather	End. ..	N. C. S. Sub.	Forest, especially southern forest	Local, but very abundant, and of large size where it occurs. The subantarctic distribution is from Handb. N.Z. Flora, p. 384, said to be collected by Bolton, but not observed by any other collector.
SALVINIACEAE.						
<i>Azolla rubra</i> R. Br. ..	..	Red azolla ..	Aus. ..	N. C. S.	Still water	Only noted on Ruapuke.
LYCOPODIACEAE.						
<i>Lycopodium Selago</i> L. ..	..	Fir club-moss ..	Cos. temp.	C. S. ..	Bogs ..	My notes say nothing as to abundance of this or the species following.
——— <i>varium</i> R. Br. ..	..	..	Aus. ..	N. C. S. Ch. Sub.	Bogs.	
——— <i>Billardieri</i> Spring. ..	Whiri - o - raukatauri, iwi-tuna	Hanging club-moss	Pol.(?) ..	N. C. S. Ker.	Forest ..	Epiphytic. The plant noted here seems intermediate in habit between the typical forms of <i>L. Billardieri</i> and <i>L. varium</i> .
——— <i>ramulosum</i> T. Kirk.	..	Matted club-moss	End. ..	S. ..	Bog, openings in sub-alpine scrub, subalpine meadow	Extremely common.
——— <i>fastigiatum</i> R. Br. ..	..	Alpine club-moss	Aus. ..	N. C. S. Ch. Sub.	Subalpine meadow	Fairly common.
——— <i>scariosum</i> Forst. f. ..	..	Creeping club-moss	Aus. ..	N. C. S. Ch. Sub.	Heath on old dunes	Not widely spread.
——— <i>vulubile</i> Forst. f. ..	Waewaekoukou	Climbing club-moss	Aus., Pol., Mal., New Cal.	N. C. S. Ch.	Forest ..	Especially in the forest of flat ground in valleys of Rakiahua and Freshwater Rivers.
<i>Tmesipteris tannensis</i> Bernh.	..	..	Aus., Pol.	Ker. N. C. S. Ch. Sub.	Forest ..	On tree-trunks, tree-fern stems, and humus on fallen rotting trees.
<b>SPERMOPHYTA.</b>						
TAXACEAE.						
<i>Podocarpus Hallii</i> T. Kirk. . .	Totara, kotukutuku. The same name as <i>Fuchsia excorticata</i> , so given on account of its thin bark (Best, 5A)	Thin-barked totara, large-leaved totara	End. ..	N. C. S.	Forests, subalpine scrub	Rare in many parts. Common in forest on Table Hill Range.
——— <i>ferrugineus</i> Don ..	Miro, toromiro	Black - pine (but this name had best be limited to <i>P. spicatus</i> )	End. ..	N. C. S.	Forest ..	Fairly common, but never abundant.
——— <i>spicatus</i> R. Br. ..	Matai, mai ..	Black-pine ..	End. ..	N. C. S.	Forest ..	There are only a few plants on the island, though evidently much more abundant at one time.
——— <i>dacrydioides</i> A. Rich.	Kahikatea ..	White-pine ..	End. ..	N. C. S.	Forest ..	A very scarce tree. There are a few examples in the valley of the Freshwater River, and trees are occasionally cut at the North Arm sawmill. No seedlings were noted.
[ <i>Dacrydium Kirkii</i> F. Muell	Monoao ..	Kirk's pine ..	End. ..	N. S. (?)	Forest ..	The occurrence of this is very doubtful. Cheeseman does not cite it in his Flora.]
——— <i>biforme</i> (Hook.) Pilger	..	Yellow-pine, tar-wood	End. ..	C. S. ..	Southern forest, sub-alpine scrub	Fairly common near Port Pegasus.
——— <i>Bidwillii</i> Hook. f. ..	..	Mountain-pine ..	End. ..	N. C. S.	Subalpine scrub, forest	In northern province, only recorded from summit of Moehau. Common.
——— <i>cupressinum</i> Sol. ..	Rimu ..	Red-pine ..	End. ..	N. C. S.	Forest, sub-alpine scrub	The dominant tree of the island.
——— <i>intermedium</i> T. Kirk	..	Yellow-pine, yellow silver-pine	End. ..	N. C. S.	Southern forest	This is known by every one on Stewart Island as the "Kirk pine," and is confused also with <i>D. biforme</i> and <i>D. Bidwillii</i> , the three also being called "swamp pine." Abundant.
——— <i>laxifolium</i> Hook. f. . .	..	Pigmy pine ..	End. ..	C. S. ..	Old dunes in Rakiahua Valley	Although always a plant of high altitudes in New Zealand generally, in Stewart Island it is confined to almost sea-level, and is absent from its favourite habitat, the boggy mountain meadows.