

- Knox, G.A. 1969 : "The Natural History of Canterbury".
Laing, R.M. 1914 : On a sub-alpine element in the Flora of
Banks Peninsula.
T.N.Z.I. 46, 56-59.
Laing, R.M. 1919 : The Vegetation of Banks Peninsula, with a
list of species.
T.N.Z.I. 51, 355-408.
Wall, A. 1953 : "The Botany of Christchurch".
Revised edition.
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BEECH FOREST NEAR LONG BAY ROAD, BANKS PENINSULA

M.J.A. Bulfin

In the 1970 Journal I wrote briefly about the small remnant of beech forest near Long Bay Road, Banks Peninsula, and included a list of the species noted or collected during one visit. Last summer with Miss E.M. Chapman, Dr. L.B. Moore and Mrs. J.B. Moss a full collection was made of species present in the beech forest and the surrounding fringe of kanuka. Species additional to those recorded in the earlier note are listed below. The mosses and hepatics, all identified by Miss B.H. Macmillan and Mr. K.W. Allison include some which were collected during the earlier visit.

Hepatics:

Chiloscyphus coalitus
Frullania squarrosula
Hymenophyton flabellatum
Plagiochila deltoidea Coll. 7/2/68
Symphyogyna hymenophyllum

Mosses:

Camptochaete gracilis Coll. 7/2/68
C. ramulosa
Cyathophorum bulbosum Coll. 7/2/68
Dicranoloma billardieri
D. dicarpum
D. menziesii
D. robustum
Ditrichum cylindrocarpum Coll. 7/2/68
Hypnodendron arcuatum Coll. 7/2/68
Hypnum cupressiforme

Mosses (Continued):

H. cupressiforme var. filiforme
Lembophyllum clandestinum
Leucobryum candidum
Ptychomnion aciculare
Rhynchostegium tenuifolium Coll. 7/2/68
Thamnum pandum
Thuidiopsis furfurosa Coll. 7/2/68

Fern and Fern Allies:

Lycopodium fastigiatum R.Br. under kanuka
Lycopodium varium R.Br. under kanuka
Asplenium hookerianum Col.
Blechnum aggregatum (Col.) Tindale
Blechnum vulcanicum (Blume) Kuhn
Polystichum vestitum (Sw.) Presl.

Small Trees:

Aristotelia serrata (J.R. et G.Forst.) W.R.B. Oliver
Leptospermum ericoides A.Rich.
Pittosporum tenuifolium Sol. ex Gaertn.
Podocarpus totara G.Benn. ex D.Don.
Pseudopanax colensoi (Hook.f.) Philipson adult plants this time
Schefflera digitata J.R. et G. Forst.

Shrubs:

Coprosma lucida J.R. et G. Forst.
Coprosma sp. (aff. C. parviflora)
Coprosma polymorpha W.R.B. Oliver
Hebe salicifolia (Forst.f.) Pennell
Hebe strictissima (Kirk) L.B.Moore
Helichrysum glomeratum (Raoul) Benth. et Hook.f.

Lianes:

Muehlenbeckia australis (Forst.f.) Meissn.
Muehlenbeckia complexa (A.Cunn.) Meissn.
Parsonsia capsularis (Forst.f.) R.Br.
Rubus australis Forst.f.

Herbs:

Acaena anserinifolia (J.R. et G. Forst.) Druce under kanuka
Anisotome aromatica Hook.f.
Astelia nervosa Hook.f. small seedlings only
* Bellis perennis L. under kanuka
Cardamine debilis Banks ex DC under kanuka
Epilobium rotundifolium Forst.f.

Herbs (Continued):

<i>Gnaphalium audax</i> Drury	under kanuka
<i>Gnaphalium luteo-album</i> L.	under kanuka
<i>Helichrysum bellidioides</i> (Forst.f.) Willd.	under kanuka
<i>Luzula picta</i> A. Rich. var. <i>limosa</i> Edgar	
<i>Notodanthonia gracilis</i> (Hook.f.) Zotov	under kanuka
<i>Raoulia subsericea</i> Hook.f.	under kanuka
<i>Senecio glomeratus</i> Desf.	under kanuka
<i>Senecio minimus</i> Poir.	under kanuka
<i>Stellaria parviflora</i> Barks and Sol.	
<i>Uncinia angustifolia</i> Hamlin	
<i>Uncinia rubra</i> Boott	
<i>Urtica ferox</i> Forst.f.	

Orchid:

Caladenia lyallii Hook.f.

This orchid, in full flower at the time of our visit on 30th November, 1971, was plentiful under kanuka. The species was first recorded by J.B. Armstrong in 1880 but not later recorded by Laing, Wall or Burrows.

This collection proves yet another Armstrong record to be correct. One wonders how many more remain to be rediscovered.

* introduced species

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