

B. H. MACMILLAN

G. I. COLLETT

By

and

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Abstract

PLANTS gathered at Kahurangi Point in March and April, 1965, are listed. These include 170 vascular plants, of which 32 are naturalised or persistent from cultivation, 12 bryophytes and nine lichens. Six additional species recorded by Simpson and Thomson (1941) are also listed.

INTRODUCTION

KAHURANGI Point is a promontory 14 miles south-west of Paturau, N.W. Nelson. The rock is tertiary sediment of glauconitic sandstone and calcareous mudstone grading into limestone (Grindley, 1961). The Point lies in the mean annual rainfall belt of 80–100 inches and has a mean annual temperature of 53–54°F (de Lisle and Kerr, 1965). The latitude is 40° 46' 30", longitude 172° 13', the grid reference N.Z. Map Series 1 Sheet S2 662912 (Text-fig. 1).

Whilst engaged on lighthouse maintenance work during March and April, 1965, G.I.C. collected, in the vicinity of the lighthouse, specimens of the plants listed below, which are included in the herbarium of the Botany Division, D.S.I.R. (CHR). Habitats represented are: strand and coastal rocks, exposed limestone cliffs, lupin-covered dunes, pasture, tarns, and margins of nikau grove and coastal forest. Mr A. G. E. Page of Collingwood, who was the last lighthouse keeper to be stationed at the Point, provides the following facts concerning occupation of the area. The Point was all bush and scrub when the lighthouse was built in 1901. Since that date there was continuous occupation until 1960, the land being cleared for grazing by the keepers. At present the lighthouse property is leased for grazing of sheep and cattle.

PLANT LIST

Nomenclature follows Allan (1961) for indigenous pteridophytes, gymnosperm and dicotyledons, and Cheeseman (1925) for monocotyledons. If otherwise, the name used by these authors is given in brackets. Plants naturalised or persistent from cultivation are marked by an asterisk. Additional records of Simpson and Thomson (1941) are marked †. Voucher specimens of these species have not been seen.

PTERIDOPHYTES

- **Selaginella kraussiana* (Kunze) A. Braun
- Adiantum cunninghamii* Hook.
- Anarthropteris lanceolata* (J. Smith) L. B. Moore
- Arthropteris tenella* (Forst. f.) Smith
- Asplenium bulbiferum* Forst. f.
- A. falcatum* Lam.
- A. flaccidum* Forst. f.
- A. lucidum* Forst. f.
- A. obtusatum* Forst. f.
- †*Blechnum banksii* (Hook. f.) Mett. ex Diels
- B. membranaceum* (Col.) Mett.
- Cyathea dealbata* (Forst. f.) Swartz
- Histiopteris incisa* (Thunb.) J. Smith

A List of Coastal Plants from Kahurangi Point, N.W. Nelson

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Hymenophyllum flabellatum Labill.
Lastreopsis glabella (A. Cunn.) Tindale
 (*Ctenitis glabella*)
L. hispida (Swartz) Tindale (*Rumohra*
 hispida)
 †*L. velutina* (A. Rich.) Tindale
Lycopodium billardieri Spring
L. scariosum Forst. f.
Microsorium diversifolium (Willd.) Copel.
 (*Phymatodes diversifolium*)
Paesia scaberula (A. Rich.) Kuhn
Pteridium aquilinum var. *esculentum* (Forst.
 f.) Kuhn
Pteris macilenta A. Rich.

GYMNOSPERMS

Podocarpus hallii Kirk (probably)

DICOTYLEDONS

Acaena anserinifolia (J. R. et G. Forst.)
 Druce
 **Albizia lophantha* Benth.
 **Anagallis arvensis* L.
 **Aphanes microcarpa* (Boiss. et Reut.)
 Rothm.
Apium australe Thouars
Aristotelia serrata (J. R. et G. Forst.) W. R.
 B. Oliver
Ascarina lucida Hook. f.
Brachyglottis repanda J. R. et G. Forst.
Callitriche muelleri Sond.
Calystegia soldanella (L.) R. Br.

C. tuguriorum (Forst. f.) R. Br. ex Hook. f.
Carmichaelia arborea (Forst. f.) Druce
 **Carpobrotus edulis* (L.) N. E. Br.
Cassinia leptophylla (Forst. f.) R. Br.
Centella uniflora (Col.) Nannf.
 **Cerastium holosteoides* Fr.
Clematis paniculata Gmel.
Colobanthus muelleri Kirk
Coprosma acerosa A. Cunn.
C. australis (A. Rich.) Robinson
C. propinqua A. Cunn.
C. rhamnoides A. Cunn.
Coriaria arborea Lindsay (probably)

Corynocarpus laevigatus J. R. et G. Forst.
Cotula dioica Hook. f.
C. perpusilla Hook. f.
C. squalida Hook. f.
Craspedia uniflora Forst. f.
 **Crepis capillaris* (L.) Wallr.
Cyathodes fraseri (A. Cunn.) Allan
Dichondra repens J. R. et G. Forst.
Disphyma australe (Sol.) J. M. Black
Dodonaea viscosa Jacquin
Epilobium nerterioides A. Cunn. (Kahurangi
 River)

E. nummularifolium R. Cunn. ex A. Cunn.
E. pedunculare A. Cunn.
 **Erigeron floribundus* (HBK.) Sch. Bip.
Euphorbia glauca Forst. f.
Fuchsia perscandens Ckn. et Allan
 †*Geniostoma ligustrifolium* A. Cunn.
Gnaphalium collinum Labill.
G. involucreatum Forst. f.
G. keriense A. Cunn.
G. luteo-album L.
G. trinerve Forst. f.
G. japonicum (in sense of Cheeseman)
Gratiola sexdentata R. Cunn. ex A. Cunn.
Gunnera arenaria Cheesem.
G. strigosa Col.
Haloragis depressa (A. Cunn.) Walp.
H. erecta (Banks ex Murr.) Eichl.
Hebe elliptica (Forst. f.) Pennell
H. gracillima (Kirk) Ckn. et Allan

Helichrysum filicaule Hook. f.
Hoheria sexstylosa Col.
Hydrocotyle moschata Forst. f.
H. novae-zelandiae DC.
Hymenanthera crassifolia Hook. f.
Lagenophora pumila (Forst. f.) Cheeseman
 **Lathyrus grandiflorus* Sibth. et Sm.
Laurelia novae-zelandiae A. Cunn.
Leptospermum ericoides A. Rich.
Lilaeopsis
Limosella lineata Glück
 **Linum marginale* A. Cunn.
Lobelia anceps Linn. f.
Lophomyrtus obcordata (Raoul) Burret
 **Lotus hispidus* Desf.
 **Lupinus arboreus* Sims.
 **Lycium ferocissimum* Miers
Macropiper excelsum (Forst. f.) Miq.
Melicytus ramiflorus J. R. et G. Forst.
Mentha cunninghamii Benth.
 **M. pulegium* L.

Metrosideros fulgens Sol. ex Gaertn.
M. diffusa (Forst. f.) Smith
M. perforata (J. R. et G. Forst.) A. Rich.
Muehlenbeckia australis (Forst. f.) Meissn.
M. complexa (A. Cunn.) Meissn.
Myriophyllum propinquum A. Cunn.
Nertera ciliata Kirk
N. depressa Banks et Sol. ex Gaertn.
N. setulosa Hook. f.
Olearia avicenniaefolia (Raoul) Hook. f.
O. rani (A. Cunn.) Druce

Oxalis corniculata L.
Parsonsia heterophylla A. Cunn.
Pennantia corymbosa J. R. et G. Forst.
Peperomia urvilleana A. Rich. (quarter mile
 south of Kahurangi River)
 **Physalis peruviana* L.
 **Picris echioides* L.
 †*Pimelea arenaria* A. Cunn.
P. prostrata (J. R. et G. Forst.) Willd.
 †*Pittosporum cornifolium* A. Cunn.
 **Plantago hirtella* HBK.
P. raoulii Decne
P. triandra Bergg.
 **Polycarpon tetraphyllum* (L.) L.
 **Polygonum persicaria* L.
Pratia angulata (Forst. f.) Hook. f.
 **Prunella vulgaris* L.
Ranunculus acaulis Banks et Sol. ex DC.
R. hirtus Banks et Sol. ex DC.
R. recens Kirk
Rhagodia triandra (Forst. f.) Aellen (quar-
 ter mile south of Kahurangi River)
Rorippa islandica (Oeder) Borbas
 **Rumex conglomeratus* Murr.
 **Sagina procumbens* L.
Samolus repens (J. R. et G. Forst.) Pers.

Selliera radicans Cav.
Senecio lautus Willd.
S. hispidulus A. Rich. (*Erechtites scaberula*
 Hook. f.)
 **S. jacobaea* L.
 **Sherardia arvensis* L.
 **Silene gallica* L.
 **Solanum nigrum* L.
S. aviculare Forst. f. (probably)
Sonchus littoralis (Kirk) Allan
Sophora microphylla Ait.
Tillaea sieberiana Schult. (Kahurangi River
 Mouth)
 **Veronica arvensis* L.
Wahlenbergia congesta (Cheesem.) N. E.
 Brown

MONOCOTYLEDONS

Astelia solandri A. Gunn. (*Astelia cunninghamii*)
Carex comans Bergg.
**Chlorophytum comosum* (Thunb.) Jacq.
(provisional determination)
Collospermum hastatum (Col.) Skottsb.
(*Astelia solandri*)
Cordyline australis Hook. f.
Cortaderia richardii (Endl.) Zotov (*Arundo conspicua*)
**Cyperus albostriatus* Schrad.
Dendrobium cunninghamii Lindl.

Earina autumnalis Hook. f.
E. mucronata Lindl.
Gahnia pauciflora Kirk
Juncus caespiticius E. Mey. var. *bracteatus* Buchen.
J. pallidus R. Br.
J. planifolius R. Br.
J. tenuis Willd.
Lachnagrostis filiformis (Forst. f.) Trin.
var. *littoralis* (Hack.) Zotov (*Deyeuxia forsteri* var. *littoralis* Hack. in Cheesem.)

Luzula banksiana E. Mey. var. *banksiana*
(*L. campestris* var. *banksiana* in part)
**Mariscus congestus* (Vahl) C. B. Clarke
Microlaena avenacea (Raoul) Hook. f.
Phormium tenax J. R. et G. Forst.
Poa anceps Forst. f.
Rhopalostylis sapida Wendl. et Drude

Scirpus cernuus Vahl
S. frondosus Boeck.
S. nodosus Rottb.
†*Spinifex hirsutus* Labill.
**Stenotaphrum secundatum* (Walt.) Kuntze
**Tradescantia fluminensis* Vell.
Uncinia filiformis Boott in Hook. f.

LICHENS

Anaptychia hypoleuca var. *sorediifera*
(Müll. Arg.) Wain
Parmelia cetrata Ach.
Pertusaria graphica Kn.
Physcia caesia (Hoffm.) Hampe

Sphaerophorus tener Laur.
Sticta filix (Sw.) Nyl.
S. glaucolurida Nyl.
Ramalina ecklonii (Sprgl.) Mey. et Fw.
Xanthoria parietina var. *ectanea* (Ach.) Kickx

MOSESSES

Campylopus clavatus (R. Br.) Hook. f. et Wils.
C. introflexus (Hedw.) Mitt.
Leucobryum candidum (Brid.) Hook. f. et Wils.

Polytrichadelphus magellanicus (Hedw.) Mitt.
Rhacomitrium crispulum (Hook. f. et Wils.) Hook. f. et Wils.
Rhacopilum strumiferum C. M.
Sciadocladus menziesii (Hook.) Lindb.

LIVERWORTS

Jamesoniella sonderi (Gottsche) Steph.
Lophocolea leucophylla (Hook. f. et Tayl.) G. L. et N.

Lophocolea
Marchantia macropora Mitt.
Monoclea forsteri Hook.

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B. H. MACMILLAN,
Botany Division, D.S.I.R.,
Private Bag,
Christchurch.

G. I. COLLETT,
Grasslands Division, D.S.I.R.,
C/o Glentanner Station,
Private Bag,
Fairlie.

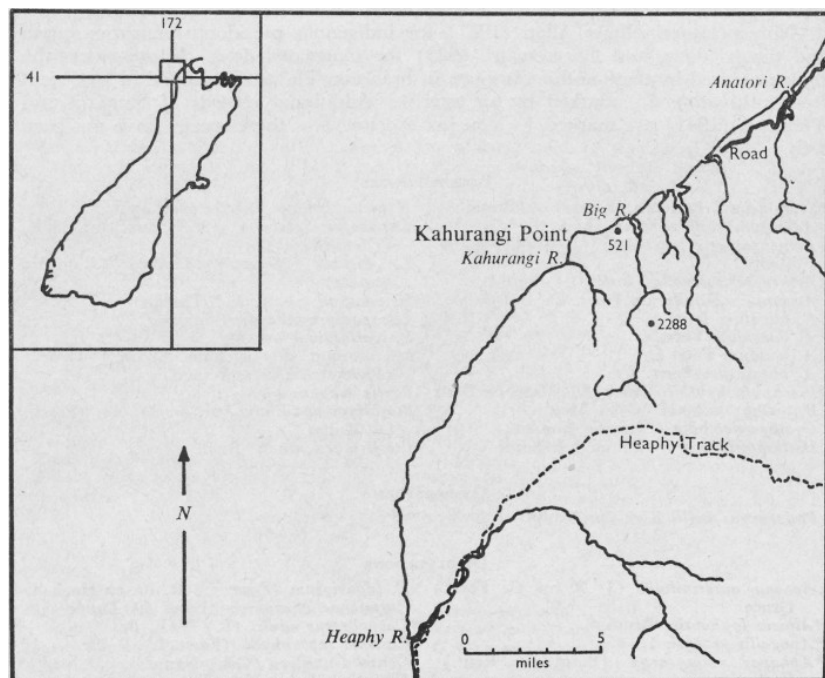


FIG. 1.—Kahurangi Point on the north-west coast of Nelson Province.