

INDIGENOUS VASCULAR PLANTS OF PIRONGIA MOUNTAIN

Highest point: Pitongia, 3156 ft; grid ref. N65 614219

A.P. Druce, Botany Division, D.S.I.R., Feb. 1979 (revised June 1979  
 Nov. 1979  
 Based on visits Oct. 1978 - Jan. 1984; on the publs March 1980  
 of Gudgeon 1955 (Trans. Roy. Soc. NZ 83) and Bell 1972 June 1980  
 (in "Michael Gudgeon and his botanical researches"); Sept. 1981  
 and on visits by C. Ogle 1980, P. delange 1985-1990) Nov. 1987  
 Feb. 1983  
 \* - not listed by Gudgeon (181 species) June 1983  
 June 1984  
 July 1984  
 (Gudgeon 1955) - listed by Gudgeon (not confirmed) } (16 species)  
 (Bell 1972) - listed by Bell (not confirmed) }  
 (Cheeseman 1880) - records (not confirmed) }  
 July 1985  
 July 1985  
 Apr. 1988  
 Doubtful and erroneous records are listed separately  
 on p. 8.  
 (unc) - uncommon or local  
 July 1990  
 July 1991  
 July 1992

GYMNOSPERM TREES AND SHRUBS

- \* *Agathis australis* (unc)
- Dacrydium dacrydioides*
- Dacrydium cupressinum*
- Libocedrus bidwillii*
- \* *L. plumosa* (Bell 1972)
- Phyllocladus trichomanoides* s.s.
- Podocarpus hallii*
- \* *P. nivalis* (?) (unc)
- P. totara* s.s. (unc)
- \* *P. hallii* x *P. nivalis* (unc)
- Prumnopitys ferruginea*
- \* *P. taxifolia* (unc)

MONOCOT TREES AND SHRUBS

- Cordyline australis*
- C. banksii*
- C. indivisa*
- C. pumilio*
- Rhopalostylis sapida*

DICOT TREES

- Alectryon excelsus* var. *excelsus*
- Aristotelia serrata*
- \* *Ascarina lucida* (Bell 1972)
- \* *Beilschmiedia tarairi* (unc)
- B. tawa*
- Carpodetus serratus*
- Coprosma rubra*
- Dodonaea viscosa* var.
- Dracophyllum latifolium* (incl. *D. matthewsii*)
- \* *D. traversii* (incl. *D. pyramidale*)
- Dysoxylum spectabile*
- Elaeocarpus dentatus* (incl. *E. d. var. obovatus*)
- \* *E. heckerianus* (unc)
- Fuchsia excorticata*
- Griselinia littoralis*
- G. lucida*
- Hedycarya arborea*

- Hobertia populnea var. lanceolata  
(incl. H. sexstylosa)
- Ixerba brexioides
- Knightia excelsa
- Laurelia novae-zelandiae
- Litsea calicaris
- Lophomyrtus bullata
- Macropiper excelsum var. excelsum
- Meliccytus lanceolatus (incl. M.l. var. latior)
- M. ramiflorus ssp. ramiflorus
- \* M. lanceolatus x M. ramiflorus (?) (unc)
- Netrosideros robusta
- M. umbellata (unc) (1 juv. seen by P. deLange)
- Mida salicifolia (incl. M. myrtifolia)
- Myrsine australis
- M. salicina
- Nestegis cunninghamii (unc)
- N. lanceolata (unc)
- N. montana (unc)
- Olearia rani var.
- \* Pittosporum ellipticum (unc)
- \* P. eugenoides
- P. tenuifolium ssp. (P. huttenianum) (unc)
- Plagiathus regius (Gudex 1955, as P. betulinus)

- Pseudopanax arboreus var. arboreus
- P. colensoi s.s.
- P. crassifolius
- P. edgerleyi (unc)
- \* P. laetus (unc)
- P. simplex (incl. P.s. var. sinclairii)
- Quintinia serrata (incl. Q. acutifolia and Q. elliptica)
- Streblus heterophyllus
- Syzygium maire
- Weinmannia racemosa var. racemosa

DICOT SHRUBS

- Alseuosmia macrophylla
- A. sp. (unnamed) (unc)
- Brachyglottis kirkii s.s.
- B. repanda s.s.
- \* Cassinia leptophylla var. leptophylla (unc)
- \* Coprosma colensoi s.s.
- C. foetidissima
- C. grandifolia
- C. lucida s.s.
- C. propinqua ssp. propinqua
- C. rhamnoides (incl. C. polymorpha)
- C. rigida
- C. robusta
- \* C. rotundifolia (unc)
- C. spathulata ssp. spathulata
- C. tenuicaulis (unc)
- C. tenuifolia (unc)
- C. propinqua x C. robusta (unc)
- \* C. p. x C. tenuifolia (unc)
- Coriaria arborea

- \**Cyathodes empettifolia* (unc)
- \**C. sp.* (*C. juniperina* agg.) (unc)
- Gaultheria antipoda*
- Geniostoma rupestre* var. *ligustifolium*
- \**Hebe macrocarpa* var. *maer.* (unc)
- \**H. m.* var. (*H. corriganii*) (unc)
- H. stricta* var. *stricta*
- \**Ileostylus micranthus* (unc)
- Kunzea ericoides* agg.
- Leptospermum scoparium*
- Leucopogon fasciculatus* var. *L. fraseri* s.s.
- Meliccytus micranthus* (incl. *M. m.* var. *microphyllus*)
- \**Olea arborea* (unc)
- \**O. solandri* (unc)
- O. virgata* var. (lvs smaller) (unc)
- \**Pentachorda pumila* (unc)
- \**Pimelea prostrata* (Bell 1972)
- \**P. sp.* (Cheeseman 1880)
- Pittosporum cornifolium*
- \**P. kirkii* (unc)
- Pomadouris ericifolia* (unc)
- \**P. kumerahou*
- Pseudowintera axillaris*
- P. colorata*
- Rhabdolanthus solandri*
- Solanum aviculare* var. *aviculare* (unc)
- \**Urtica ferox* (unc)

MONOCOT LIANES

- Freylinia baueriana* ssp. *banksii*
- Ripogonum scandens*

DICOT LIANES

- Calystegia sepium* (Gudox 1955)
- C. tuguriorum*
- Clematis cunninghamii*
- C. foisteri* (unc)
- C. paniculata*
- Metrosideros carminea* (unc)
- M. colensoi* (incl. *M. c.* var. *pendens*) (unc)
- M. diffusa*
- M. fulgens*
- M. perforata*
- Muehlenbeckia australis*
- M. complexa* (Gudox 1955)
- Parsonsia capsularis* var.
- P. heterophylla* (unc)
- Passiflora tetrandra*
- \**Robus australis*
- \**R. cissoides* var. *cissoides*
- R. schmidelioides* var. *schmidelioides*

## LYCOPODS AND PSILOPSIDS

- Lycopodium comutum (unc)
- L. deuterodecimum
- \* L. fastigiatum (unc)
- L. scariosum
- L. varium (incl. L. billardierei and L. novae-zelandicum)
- L. volubile
- \* Tmesipteris elongata (incl. T. e. ssp. robusta)
- \* T. lanceolata
- T. tannensis

## FERNS

- \* Adiantum aethiopicum (unc)
- A. cunninghamii
- A. fulvum (unc)
- \* A. hispidulum (Bell 1972)
- \* A. vitidescens (unc)
  
- Anathropteris lanceolata
- Asplenium bulbiferum
- A. flabellifolium (Gudex 1955)
- A. flaccidum
- \* A. hookerianum
- \* A. lamprophyllum
- \* A. lyallii (unc)
- A. oblongifolium
- A. polyodon
- \* A. bulbiferum x A. flaccidum (unc)
- \* A. b. x A. hookerianum (unc)
- \* A. flaccidum x A. lyallii
- \* Azolla filiculoides
- Blechnum chambersii

- B. colensoi
- B. discolor
- B. filiforme
- B. fluviatile agg.
- B. fraseri
- B. membranaceum
- \* B. minus
- B. nigrum
- \* B. pennamarina (unc)
- \* B. procerum
- B. vulcanicum
- B. sp. (unnamed) (common lowland sp.; lower pinnae reduced in length)
- B. procerum x B. sp. (common lowl. sp.)
- Botrychium biforme (unc)
- \* Cyathea colensoi (unc)
- C. cunninghamii (unc)
- C. dealbata
- C. medullaris
- C. smithii
- Ctenopteris heterophylla
- \* Deparia petersenii (incl. D. tenuifolia)
- Dicksonia fibrosa
- D. lanata s.s.
- D. squarrosa
- Diplazium australe (unc)
- \* Docidia media ssp. australis (unc)
- \* D. squarrosa (unc)
- Grammitis billardierei
- \* G. ciliata (unc)
- \* G. magellanica ssp. nollofageti (unc)
- \* G. patagonica (unc)

- Histiopteris incisa
- \* Hymenophyllum armstrongii
- H. atrovirens (unc)
- \* H. bivalve
- H. demissum
- H. dilatatum
- H. ferrugineum
- H. flabellatum
- \* H. flexuosum
- \* H. lyallii
- \* H. malingii
- \* H. minimum (unc)
- H. multifidum
- \* H. peltatum (unc)
- \* H. pulcherrimum
- H. ratum
- H. revolutum
- \* H. rufescens (unc)
- H. sanguinolentum agg.
- H. scabrum
- \* H. villosum (unc)
- \* H. sp. (unnamed; aff. H. flexuosum) (unc)
- \* Hypolepis ambigua
- H. distans (unc)
- \* H. lactea (unc)
- \* H. millefolium (unc)
- \* H. rufobarbata
- \* H. ambigua x H. rufobarbata (unc)
- Lastreopsis glabella
- L. hispida
- \* L. velutina
- Leptopteris hymenophylloides
- L. superba
- \* L. hymenophylloides x L. superba (unc)
- Lindsaea trichomanoides
- L. viridis (unc)
- Lygodium articulatum
- Marattia salicina var. salicina (unc)
- \* Ophioglossum coriaceum agg. (unc)
- Paesia scaberula
- \* Pellaea rotundifolia
- Phymatosorus novae-zelandiae
- P. pustulatus
- P. scandens
- Pneumatopteris pennigera
- \* Polystichum silvaticum
- P. vestitum
- Pteridium esculentum
- Pteris pendula
- P. tremula
- Pyrosia eleagnifolia
- Rumohra adiantiformis
- \* Schizaea fistulosa (unc)
- Sticherus cunninghamii
- \* Trichomanes colensei (unc)
- T. elongatum (unc)
- T. endlicherianum (unc)
- T. reniforme
- \* T. strictum
- T. venosum
- ORCHIDS**
- Acianthus sinclairii
- Bulbophyllum pygmaeum (unc)
- \* B. tuberculatum (unc)
- \* Caladenia carnea agg.
- \* C. nitidescens (unc)
- Chiloglottis cornuta (unc)
- \* Corybas acuminatus
- C. macranthus
- \* C. oblongus (unc)
- C. trilobus ss.
- \* Cystostylis reniformis (Bell 1972,  
as Acianthus reniformis)
- Dendrobium cunninghamii
- Drymocanthus adversus
- Elatia autumnalis
- E. mucronata ss.
- Gastrodia cunninghamii (unc)
- \* G. minor (unc)

- \* Genoplesium nodum (unc)
- Microtis unifolia
- Orthoceras novae-zealandiae
- Prasophyllum coleusoi (Gudex 1955)
- Pterostylis banksii

- \* P. cardiostigma
- \* P. foliata (unc)
- \* P. graminea (Bell 1972)
- \* P. patens
- \* P. trullifolia (unc)
- \* P. sp. (aff. P. montana) (unc)
- \* Thelymitra longifolia
- T. pauciflora (unc)
- \* T. sp. (aff. T. ixioides) (unc)

**GRASSES**

- \* Chionochelea conspicua ssp. cunninghamii (unc)
- Cortaderia fulvida
- \* Deyeuxia avenoides (incl. D. a. var. brachyantha) (unc)
- \* Dichelaetone cincta (unc)
- \* Echinopogon ovatus
- \* Isachne globosa
- Microaena avenacea
- M. stipoides
- Oplismenus imbecillus
- \* Poa anceps ssp. anceps
- \* P. cita ssp. (unc)
- \* Rytidosperma clavatum
- \* R. gracile
- \* R. unarede

**SEDGES**

- \* Baumea articulata (unc)
- B. teretifolia (unc)
- \* Carex breviculmis
- \* C. dissila ss.
- \* C. echinata var. (C. stellulata var. australis) (unc)
- \* C. fascicularis
- \* C. forsteri
- \* C. solandri
- \* C. virgata
- \* C. sp. (unnamed; aff. C. geminata)
- (much larger than C. geminata; lvs up to 25cm wide)
- \* Eleocharis acuta (unc)

- \* E. gracilis (unc)
- \* E. sphacelata (unc)
- Gahnia pauciflora
- \* G. setifolia

- G. xanthocarpa (Gudex 1955)
- \* Isolepis distigmatosa (unc)
- \* I. pottsii (unc)
- \* I. reticulata
- \* Machaerina sinclairii (unc)
- Moreletia affinis (Gudex 1955, as Galunia gahniaeformis)
- \* Schoenus maschaliius
- \* Uncinia banksii
- \* U. distans (unc)
- \* U. ferruginea (unc)
- U. filiformis
- \* U. gracilentata
- \* U. uncinata
- \* U. zetavii

**RUSHES**

- Juncus australis
- J. gregiflorus
- \* J. planifolius
- J. prismatocarpus (Gudex 1955)
- \* Luzula picta ss. (unc)
- \* L. subclavata (unc)

**MONOCOT HERBS (OTHER THAN**

**ORCHIDS, GRASSES, SEDGES, RUSHES)**

- \* Astelia fragrans
- \* A. grandis (unc)
- A. solandri
- A. tinervia
- \* A. sp. (unnamed; aff. A. nervosa)
- \* Athropedium candidum (Bell 1972)
- Collosperrum hastatum
- \* C. mucrosperrum
- \* Dianella nigra

- \* *Libertia grandiflora* (unc)
- L. pulchella*
- Luzuriaga parviflora*
- Phormium cookianum*
- Panax*
- \* *Potamogeton cheesemarii*
- \* *Spartanium subglobosum* (unc)
- \* *Thismia rodwayi* (Ball, 1971 & 1972)
- Typha orientalis*

### COMPOSITE HERBS

- \* *Anaphalis ketiensis* s.s.
- \* *Celmisia gracilentia* ssp (unc)
- \* *Gnaphalium audax*
- \* *G. gymnocephalum*
- \* *G. limosum* s.s.
- \* *G. sphaeticum*
- \* *Helichrysum filicaule*
- Pseudognaphalium* sp. (unnamed;  
aff. *P. luteoalbum*) (lvs mostly  
linear-spathulate to linear, acute)

- \* *Senecio biserratus*
- \* *S. glomeratus*
- \* *S. hispidulus* (unc)
- \* *S. minimus*

### DICOT HERBS OTHER THAN COMPOSITES

- Acaena anserinifolia*
- \* *Callitriche muelleri*
- \* *C. petrici* ssp. *petrici* (unc)
- \* *Cardamine* sp. (*C. debilis* agg.)  
("Long Style" of Pritchard 1957)
- Centella uniflora*
- Dactylanthus taylorii*
- Drosera peltata* ssp. *auriculata*
- \* *D. binata* (unc)
- \* *D. spathulata* (unc)
- Elatostema rugosum*
- \* *Epilobium alsinoides* s.s.
- \* *E. brunnescens* s.s.
- \* *E. insulate* (unc)
- \* *E. nummulatifolium*

- \* *E. pedunculata* agg.
- \* *E. pubens*
- E. rotundifolium*
- \* *Euphrasia cuneata* (unc)
- Gallium propinquum*
- \* *Geranium potentilloides* var. *pot.* (unc)
- \* *Gonocarpus incanus*
- \* *G. micranthus* ssp. *micranthus* (unc)
- \* *Gratiola sexdentata* (unc)
- Haloragis erecta* ssp. *erecta*
- H. dissecta*
- H. elongata*
- \* *H. microphylla*
- \* *H. moschata*
- H. novae-zeelandiae* s.s.
- \* *H. pterocarpa*
- \* *H. sp.* (unnamed; included in *H. moschata* as  
\* *Jovellana repens* var. *parvifolia*, M. Carse 1929)
- \* *Myrtillophyllum propinquum*
- Nettaria depressa* (incl. *N. cunninghamii*)
- N. dichondrifolia* s.s.
- \* *Oreomyza sp.* (unnamed; aff. *O. ramosa*)
- Oursia macrophylla* ssp. *robusta*
- \* *Oxalis exilis*
- \* *O. magellanica*
- \* *Parakebe diffusa* ssp. (*Veronica lanceolata*)
- \* *Parietaria debilis* (unc)
- Pratia angulata* ass.
- \* *P. a.* x *P. perpusilla* (unc)
- \* *Ranunculus amphitrichus*
- R. reflexus*
- \* *Solanum americanum* (indig. form)  
(unc)
- \* *Stellaria decipiens* (incl. *S. parviflora*)
- \* *Urtica incisa*
- \* *Viola filicaulis*

No. of species: 406.

DOUBTFUL AND ERRONEOUS RECORDS NOT INCLUDED IN MAIN LIST

<u>Record</u>	<u>Probable identity</u>
<i>Alseuosmia banksii</i> (Gudex 1955)	<i>Alseuosmia macrophylla</i>
<i>A. quercifolia</i> (Gudex 1955)	<i>A. sp.</i> (unnamed)
<i>Astelia nervosa</i> (Gudex 1955)	<i>Astelia fragrans</i> or <i>A. sp.</i> (unnamed)
<i>Carex geminata</i> (Gudex 1955, as <i>C. ternaria</i> var. <i>gracilis</i> )	<i>Carex sp.</i> (unnamed)
<i>Daucus glochidiatus</i> (Gudex 1955)	<i>Daucus carota</i>
<i>Gaultheria depressa</i> (Gudex 1955)	<i>Gaultheria antipoda</i> (dwarfed)
<i>Lindsaea viridis</i> (Gudex 1955)	<i>Lindsaea trichomanoides</i>
<i>Metrosideros albiflora</i> (?) (Gudex 1955)	
<i>Rubus schmidelioides</i> var. <i>subpauperatus</i> (Gudex 1955, as <i>R. subpauperatus</i> )	<i>Rubus schmidelioides</i> var. <i>schmidelioides</i> (juv.)
<i>R. squarrosus</i> (Gudex 1955)	
<i>Uncinia caespitosa</i> (Gudex 1955)	<i>Uncinia zotovii</i>
<i>Viola cunninghamii</i> (Gudex 1955)	<i>Viola filicaulis</i>
<i>Weinmannia racemosa</i> var. ( <i>W. sylvicola</i> ) (Cheeseman 1880 and Gudex 1955, as <i>W. sylvicola</i> )	
<i>Wahlenbergia gracilis</i> (Ball 1972)	<i>Wahlenbergia marginata</i> (adventive)

Note: I have seen specimens of *Uncinia tubia* from "Pirongia summit ridge", E.W.E. Butcher, 1963 (CHR 127147), but subsequent searches have failed to locate the species there.

REFERENCES

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— 1972: Supplementary information in "Michael Gudex and his botanical researches". 19 pp.  
Cheeseman, T.F. 1880: On the botany of Pirongia Mountain. Trans. N.Z. Inst. 12: 317-23.  
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Pritchard, G.S. 1957: Experimental taxonomic studies on species of *Cardamine* Linn. in New Zealand. Trans. R. Soc. N.Z. 85: 75-89.