

INDIGENOUS HIGHER PLANTS (LYCOPODS, FERNS, GYMNOSPERM FLOWERING PLANTS) OF TERTIARY CALCAREOUS ROCKS, NEAR TABLELAND\* AND UPPER TAKAKA VALLEY, NORTH-WEST

NELSON, 760-1220 M / 2500-4000 FT

*APD*

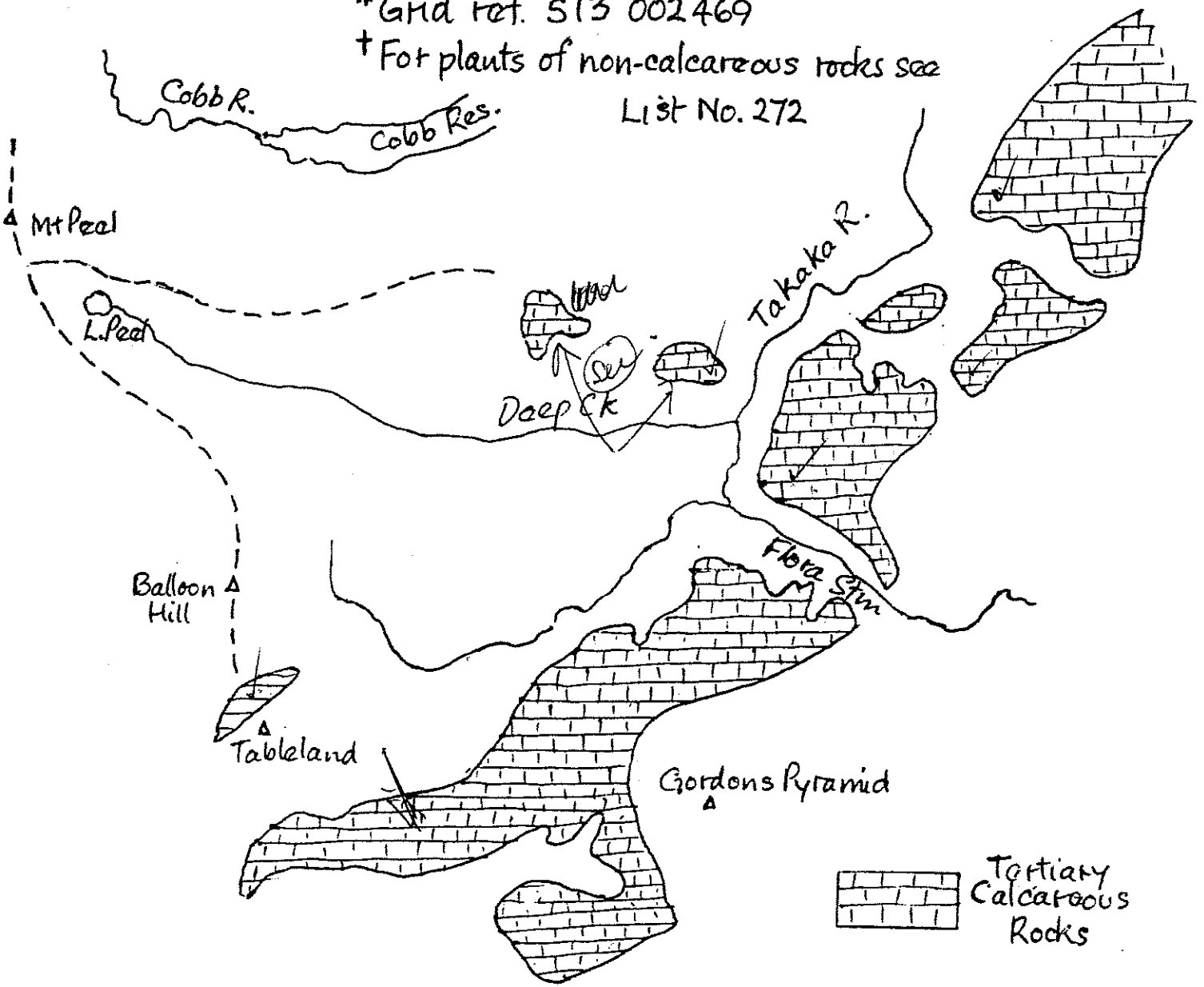
A.P. Druce, Wellington, May 1987  
(revised Oct. 1987)

Keep

(Based on visits Jan. 1975, April 1986, & May 1987)

\* Grid ref. S13 002469

† For plants of non-calcareous rocks see List No. 272



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FLOWERING PLANTS) OF TERTIARY CALCAREOUS ROCKS, NEAR  
TABLELAND\* AND IN UPPER TAKAKA VALLEY, NORTH-WEST  
NELSON, 750-1220 M / 2500-4000 FT

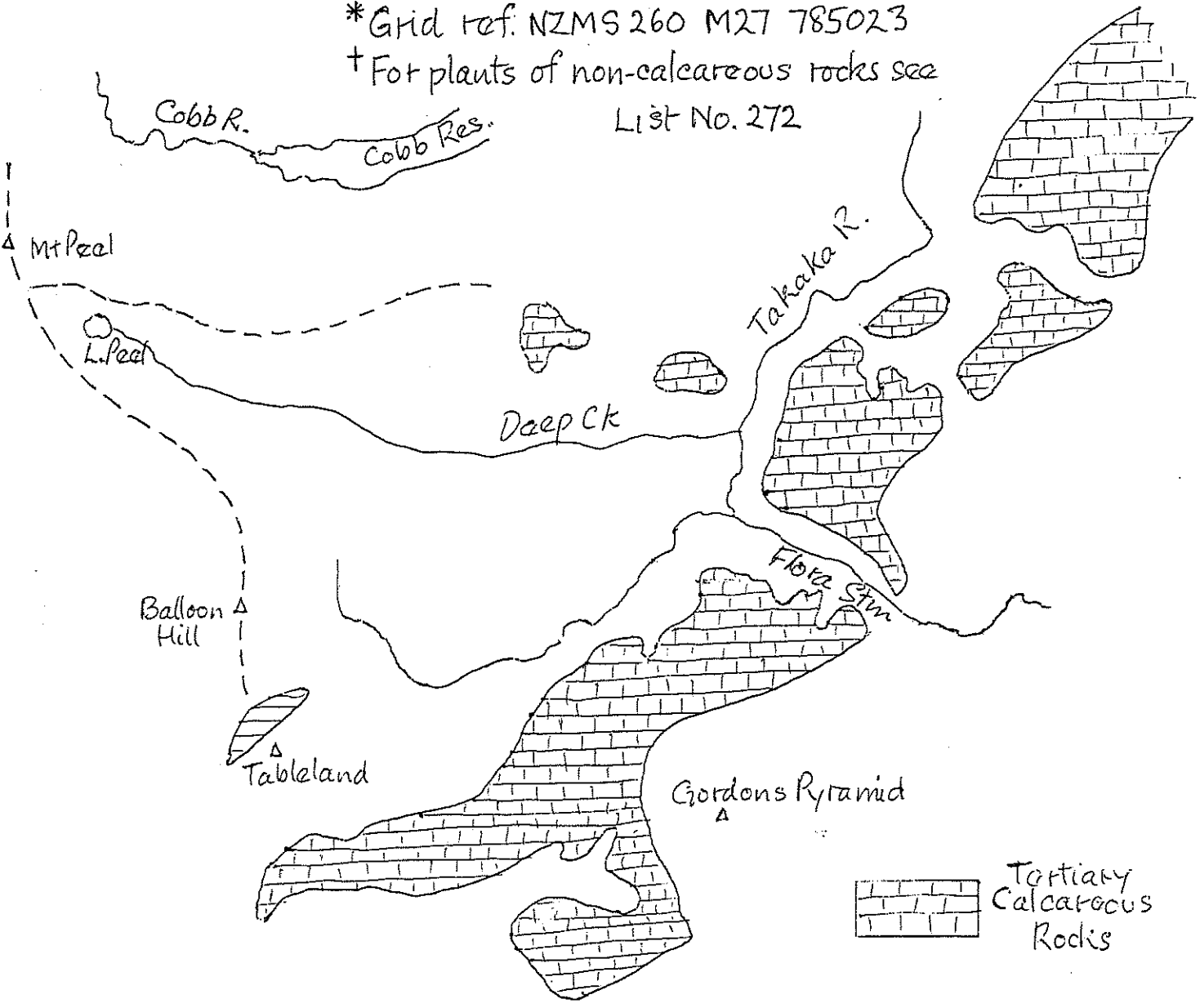
A.P. Druce, Wellington, May 1987  
(revised Oct. 1987, June 1990, June 1991, August 1992)

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List No. 272



GYMNOSPERM TREES AND SHRUBS

- Halocarpus bidwillii (unc)  
 H. biformis  
 Lagarostrobos colensoi (unc)  
 Libocedrus bidwillii  
 Phyllocladus sp. (unnamed; aff. P. alpinus) ("lowland" ecotype of Wardle 1969)  
 Podocarpus hallii (unc)  
 P. nivalis (unc)

DICOT TREES

- Arctostelia serrata  
 Carpodetus serratus  
 Dracophyllum traversii (incl. D. pyramidale)  
 Elaeocarpus hookerianus  
 Fuchsia excorticata  
 Griselinia littoralis  
 Hoheria lyallii var. (H. glabrata)  
 Metrosideros umbellata  
 Nothofagus fusca  
 N. menziesii  
 N. solandri var. cliffortioides  
 Pittosporum tenuifolium  
 Pseudopanax crassifolius  
 P. linearis (unc)  
 P. macintyreii  
 P. simplex (incl. P. s. var. sinclairii)  
 P. sp. (unnamed; included in P. colensoi, as var. fiordensis and as var. ternatus, by Wardle 1968)  
 Schefflera digitata (unc)  
 Weinmannia racemosa var. racemosa

DICOT SHRUBS

- Arctostelia traversii (incl. A. t. var. australis)  
 Arctostelia fruticosa var. A. f. x A. serrata (unc)  
 Brachyglottis bidwillii var. viridis (unc)  
 B. hectorii (unc)  
 B. rotundifolia var. (incl. B. buchananii and B. cockaynei) (unc)  
 Coprosma cheesemani ss.  
 C. ciliata ssp. ciliata  
 C. colensoi ss.  
 C. depressa  
 C. foetidissima  
 C. linariifolia  
 C. lucida ss. (unc)  
 C. propinqua ssp. propinqua  
 C. pseudocuneata ssp.  
 C. thamnodes (incl. C. polymorpha) (unc)  
 C. rugosa ssp. rugosa  
 C. sp. (i) (unnamed; aff. C. colensoi) (low-growing shrubs with trailing branches) (unc)  
 C. sp. (ii) (unnamed; included in C. parviflora by Oliver, 1935, and others) (If undersurface not minutely hairy as is usual in C. parviflora; drupes vs. unpigmented, occ. purplish red) (unc)

- C. sp. (iii) (unnamed) (C. parviflora var. dumosa sensu Allan 1961, non C. p. var. dumosa Cheeseman)*  
*C. propinqua* x *C. robusta* (unc)  
*Coriaria sarmentosa*  
*Cyathodes empetrifolia*  
*C. sp. (C. junipetina agg.) (lvs us. < 1 cm x < 1 mm)*  
*Dracophyllum longifolium* var. (incl. *D. filifolium* and *D. oliveri*)  
*D. uniflorum*  
*Gaultheria antipoda*  
*G. sp. (unnamed; included in G. depressa, as var. novae-zelandiae, by Franklin 1962)*  
  
*Hebe canterburciensis*  
*H. gracillima*  
*H. odora* s.s.  
*H. tetragona* var. (*H. coarctata*)  
*H. topiaria*  
*H. vernicosa*  
*H. sp. (i) (Hebe/hebe masoniae\*)*  
*H. sp. (ii) (unnamed) (lvs up to 4 x 1 cm, elliptic-oblong, bright green)*  
*H. sp. (iii) (aff. H. glaucophylla)*  
*Helichrysum aggregatum* var. aggr.  
*H. intermedium* var. (unc)  
*Leptospermum scoparium*  
*Leucopogon fasciculatus* var.  
*L. fraseri* s.s.  
*Malicytus alpinus* s.s.  
*M. obovatus* var. obovatus (unc)  
*H. sp. (iv) (undetermined) (unc)*
- Myrsine divaricata* s.s.  
*Neomyrtus pedunculata*  
*Olearia arborescens*  
*O. avicennifolia*  
*O. lacunosa* var. lacunosa  
*O. nummulatifolia* var. (lvs distinctly longer than broad, rather than suborbicular as in var. nummulatifolia) (unc)  
*O. virgata* var. implicita (incl. *O. divaricata* and *O. laxiflora*)  
*O. capillaris* x *O. lacunosa* (unc)  
*Pentachondra pumila*  
*Pimelea suteri* var. (*P. oreophila*)  
  
*Pittosporum rigidum* var. (*P. crassicaule*)  
*Pseudopanax anomalus*  
*Pseudowintera colorata*  
*Traversia baccharoides*  
*Urtica ferox* (unc)
- DICOT LIANES AND RELATED/  
TRAILING PLANTS
- Muehlenbeckia australis*  
*M. axillaris*  
*M. australis* x *M. axillaris* (unc)  
*Rubus cissoides* var. (leaflets broader than in var. cissoides)  
*R. schmidelioides* var. schmidelioides
- \* (incl. *L. m. var. rotundata*)

LYCOPODS

*Lycopodium australianum*  
*L. fastigiatum*  
*L. scariosum* (unc)

FERNS

*Adiantum cunninghamii*  
*Asplenium bulbiferum* (unc)  
*A. flaccidum*  
*A. gracillimum*  
*A. hookerianum*  
*A. lyallii*  
*A. oblongifolium*  
*A. sp.* (unnamed; aff. *A. trichomanes*)  
*Blechnum chambersii*  
*B. discolor*  
*B. fluviatile* agg.  
*B. membranaceum*  
*B. penna-matina*  
*B. procerum*  
*B. vulcanicum*  
*B. sp.* (unnamed) (common low-land sp.) (lower pinnae reduced in length)  
*Cyathea colensoi*  
*Ctenopteris heterophylla*  
*Cystopteris tasmanica*  
*Grammitis billardierei*  
*G. magellanica* ssp. *nothofagati*  
*G. patagonica*  
*Histiopteris incisa*  
*Hymenophyllum demissum* (unc)

*H. multifidum*

*H. rarum* (unc)

*H. villosum*

*Hypolepis millefolium*

*Leptopteris superba* (unc)

*Paesia scaberula* (unc)

*Phymatosorus pustulatus*

*Pneumatopteris pennigera*

*Polystichum richardii* (unc)

*P. vestitum*

*Pyrosia elzagnifolia*

ORCHIDS

*Aporostylis bifolia*

*Corybas mactanthus*

*C. trilobus* ss.

*Pterostylis oliveri* (unc)

GRASSES

*Chionochloa australis*

*C. cheesemani* (unc)

*C. conspicua* ssp. *conspicua*

*C. pallens* ssp. *pallens*

*C. rubra* ssp. *occulta*

*Deschampsia tenella*

*Elymus* sp. (aff. *E. rectisetus*)  
 (vs glaucous)

*Festuca* sp. (unnamed) (unc)

*Lachnagrostis* sp. (unnamed; included in *L. filiformis*, as var. *semiglabra*, by Zotov 1965)

- Microlaena avenacea*  
*M. colensoi*  
*Poa breviglumis*  
*P. cita* ssp. *cita* (unc)  
*P. colensoi*  
*P. imbecilla*  
*P. pusilla*  
*Rytidosperma buchananii*  
*R. gracile*  
*R. setifolium*  
*Simplicia buchananii* (unc)  
*Trisetum* sp. (i) (unnamed) (plants slender; lf sheath glabrous or nearly so; lf blade flat, margins smooth, vs. with a few hairs near ligule)  
*T.* sp. (ii) (unnamed) (plants robust; lf sheath densely hairy in lower part; lf blade flat, margins scabrid, vs. with some long hairs near ligule)
- C. sp. (ii)* (unnamed) (lvs channelled, green to brownish green, vs. recurved; spikes 3-5, approximate in small plants, slightly spaced in larger ones; stigmas 3)  
*C. sp. (iii)* (Sect. *Acutae*)  
*Eleocharis gracilis* (unc)  
*Gahnia procera*  
*Isolepis aucklandica*  
*I. habra*  
*I. subtilissima* (unc)  
*Oreobolus strictus*  
*Schoenus pauciflorus* s.s.  
*Uncinia astonii*  
*U. caespitosa*  
*U. elavata*  
*U. divaricata*  
*U. filiformis*  
*U. fuscovaginata* var. (*glauca*)  
*U. rubra*  
*U. rupestris* (incl. *U. angustifolia*)  
*U. uncinata*  
*U. zotovii*  
*U. sp.* (undetermined)

### SEDGES

- Carex breviculmis*  
*C. comans*  
*C. dissita*  
*C. flaviformis*  
*C. forsteri*  
*C. gaudichaudiana*  
*C. libera*  
*C. sinclairii*

- C. sp. (i)* (unnamed; aff. *C. testacea*) (lvs up to 5mm wide, reddish; utricle margins not scabrid)

### RUSHES AND ALLIED PLANTS

- Empodisma minus*  
*Juncus antarcticus*  
*J. gregiflorus*  
*J. novae-zelandiae*  
*J. pusillus* (unc)

*Luzula migrata*  
L. sp. (*L. picta* agg.)

*Brachyscome radicata*

MONOCOT HERBS OTHER THAN  
ORCHIDS, GRASSES, SEDGES,  
RUSHES AND ALLIED PLANTS

*Arthropodium candidum*  
*Astelia nervosa* s.s.  
*A. nivicola* s.s.  
*A. petriei*  
*A. sp. (i)* (unnamed; included in  
*A. nivicola*, as var. *moriceae*,  
by Moore 1966)  
*A. sp. (ii)* (unnamed; aff. *A. nervosa*)  
(lvs broad, not conspicuously  
white adaxially as in *A. nervosa*)  
*Bulbinella hookeri*  
*Libertia ixioides* (unc)  
*L. peregrinans*  
*L. pulchella*  
*Luzuriaga parviflora*  
*Phormium cookianum*  
*Potamogeton sp.* (unc)

*Celmisia dallii*  
*C. incana* (incl. *C. discolor*)  
*C. montroi* ssp. (*C. semicordata*  
ssp. *semicordata*)  
*C. sp.* (unnamed; aff. *C. gracilentu*  
(plants tufted; lvs linear to  
linear-lanceolate, up to 45 x  
1.2 cm; lower surface white  
with cottony hairs) (unc)  
*Craspedia minor* var. *minor*  
(incl. *C. major*)  
*C. sp. (i)* (unnamed)

*C. sp. (ii)* (unnamed)

COMPOSITE HERBS

*Abrotanella caespitosa*  
*A. lineatis* s.s.  
*Anaphalis sp.* (*Helichrysum*  
*bellidioides* s.s.)  
*Brachyglottis sp.* (unnamed; in-  
cluded in *B. bellidioides*, as  
var. *crassa*, by Nordenstam  
1978)

*Gnaphalium aurdax*  
*G. delicatum* (unc)  
*G. laterale*  
*G. mackayi* s.s.  
*G. polylepis*  
*G. travetsii*  
*Helichrysum filicaule*

- Lagenifera cuneata (unc)
- L. petiolata (unc)
- L. pumila
- L. strangulata
- Leptinella sp. (unnamed; included in L. squalida, as ssp. medianca, by Lloyd and Webb, 1987)
- Microseris scapigera var.
- Pseudognaphalium sp. (i) (unnamed; aff. P. luteoalbum) (lvs mostly linear-spathulate to linear, acute) (unc)
- P. sp. (ii) (unnamed; aff. P. luteoalbum) (lvs mostly oblong-spathulate to narrowly oblong, rounded)
- Raoulia glabra
- Senecio glaucophyllus ssp. glaucophyllus
- S. waitavensis
- Taraxacum magellanicum

- Cheesemania latisiliqua (incl. C. gibbsii) (unc)
- Colobanthus affinis
- C. apetalus (incl. C. a. var. alpinus)
- C. canaliculatus
- C. sp. (unnamed)†
- Drosera spathulata
- Epilobium brunnescens ss.
- E. chlorifolium
- E. glabellum s.s.
- E. gracilipes
- E. komarovianum
- E. linnaeoides
- E. heteroides
- E. nummularifolium (unc)
- E. pubens
- E. rotundifolium
- E. vernicosum (?) (unc)
- E. sp. (unnamed; included in E. brunnescens, as ssp. minutiflorum, by Raven and Engelman, 1971)

DICOT HERBS OTHER THAN  
COMPOSITES

- Acaena anserinifolia
- A. profundeincisa
- Aciphylla sp. (unnamed; aff. A. glaucescens) (pinnae rigid)
- Ahisotome aromatica
- A. pilifera (unc)
- Cardamine sp. (i) (C. debilis agg.) (cf. "Narrow Petal" of Pritchard 1957)
- C. sp. (ii) (C. debilis agg.) ("Glossy Leaf" of Pritchard 1957)
- C. sp. (iii) (unnamed) (lvs mostly simple; blade ± reniform)
- C. sp. (iv) (aff. C. corymbosa)

- Galium perpusillum ss.
- Forstera tenella
- Gentiana filipes
- G. montana (incl. G. m. var. stolonifera, G. patula, and G. bellidifolia var. pulchella)
- Getanium sp. (aff. G. microphyllum)
- Geum leiospermum
- Gingidia decipiens
- G. montana
- Gonocarpus aggregatus

† (lvs and sepals strongly accolate; lvs unbordered; sepals 5, broader than lvs, without a thickened midrib)



- H.sp(ii)(unnamed)(included in H. moschata, as var. parvifolia, by Carse 1929)
- Hydrocotyle elongata
- H. heterometia (unc)
- H. microphylla
- H. moschata
- H.sp(i)unnamed; included in H. novae-zeelandiae, as var. montana, by Kirk 1899
- Kelleria dieffenbachii (unc)
- K. laxa
- Mazus radicans (unc)
- Mentha cunninghamii
- Montia fontana s.s.
- Myosotis brockiei
- M. petiolata s.s. (unc)
- M. spathulata (incl. M.s. var. radicata) (unc)
- M.sp.(i)(unnamed; included in M. pygmaea, as var. drucei, by Moore 1961) (unc)
- M. forsteri
- M.sp.(ii) (M. australis agg.) (fls small, white) (unc)
- M.sp.(iii)(undetermined)
- Neopaxia sp(i)(incl. Montia calycina and Claytonia australasica var. biflora) (unc)
- N.sp.(ii)(unnamed) (lvs spathulate, up to 15mm long; fls 6mm diam; calyx lobes broad, obtuse; corolla lobes rounded, cucullate)

- Nertera depressa
- N.sp. (unnamed; aff. N. dichondri-folia) (hairs present on both surfaces of lf, straight, not hooked as in N. dichondri-folia)
- Oreomyrrhis colensoi s.s
- O.sp.(unnamed; aff. O. ramosa)
- Oursia lactea ssp. lactea
- O. modesta (unc)
- Oxalis magellanica
- Plantago lanigera s.l. (incl. P. novae-zeelandiae)
- P. raouli
- P. triandra s.s.
- Pratia angulata agg.
- Psychrophila novae-zeelandiae (unc)
- Ranunculus cheesemanii var. cheesemanii (unc)
- R. foliosus
- R. glabrifolius (unc)
- R. insignis
- R. membranifolius
- R. reflexus
- R. toyi
- R. simulans (unc)
- R. verticillatus
- Schizalema nitens
- S. trifoliolatum
- Stackhousia minima

*Stellaria decipiens* (incl. *S.*  
*parviflora*)

*Urtica incisa*

*Viola cunninghamii*

*V. filicaulis*

*V. lyallii*

*Wahlenbergia albomarginata* var. *albomarginata* (incl.

*W. pygmaea* var. *laxa*, *W.*

*brockiei*, and *W. simpsonii*)

No. of species: 319.

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