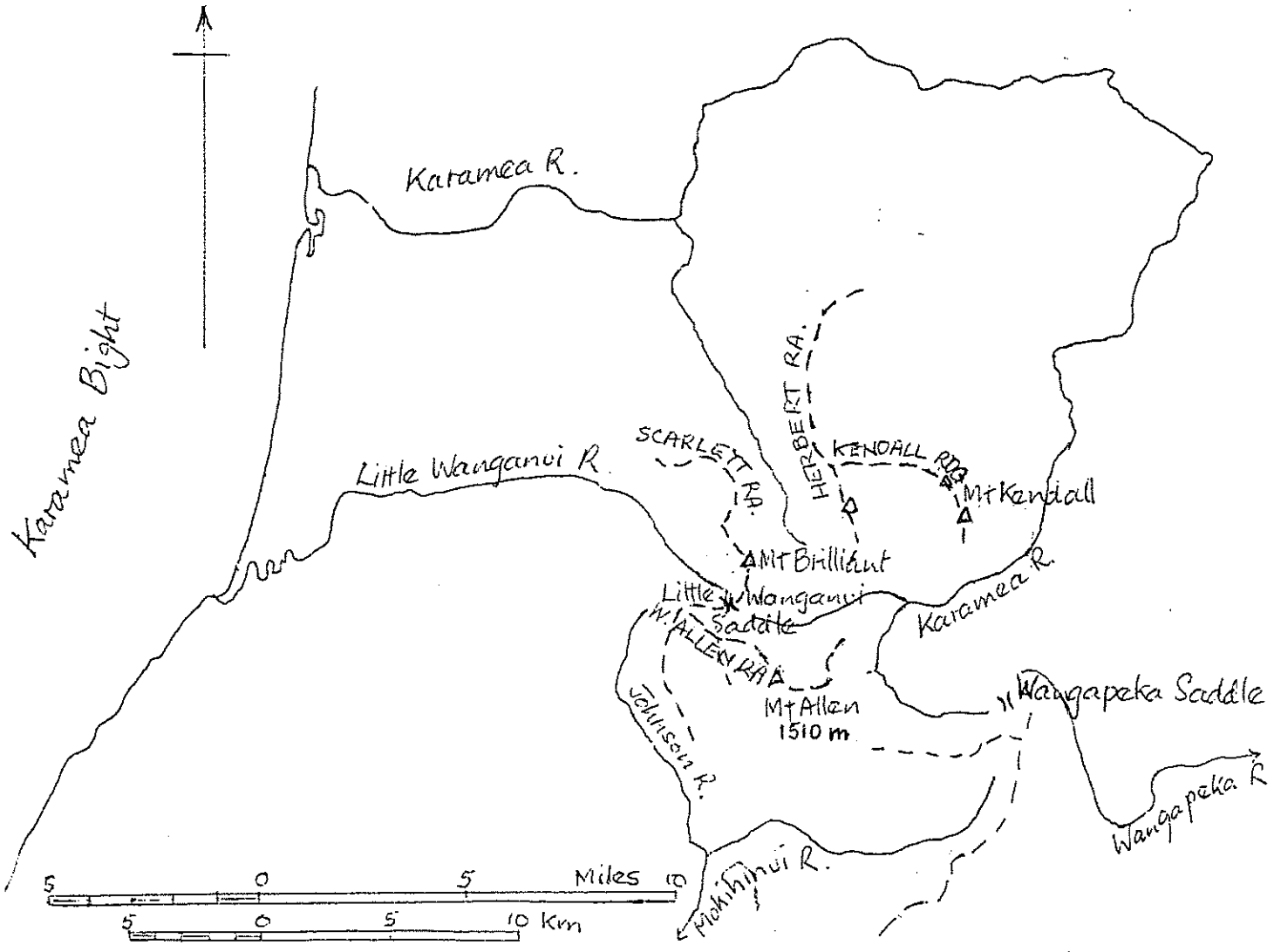


VASCULAR PLANTS OF SCARLETT RA¹, W. ALLEN RA², HERBERT RA³,
AND KENDALL RIDGE⁴ N.W. NELSON, 360-1770 M

A.P. Druce, Botany Division, D.S.I.R., June 1981
(revised May 1982, Sept 1982, May 1983, June 1984,
Oct. 1985, Dec. 1985, Apr. 1986, June 1986, June 1987,
July 1990, June 1991, Aug. 1992, Aug 1993)
(Based on visits May 1980, Jan 1981, March 1983,
Feb. 1987)

- ➔ 1 Highest point: unnamed pk, grid ref. M27 525808 alt. 1425 m
 - 2 Highest point: Mt Allen, grid ref. M28 530767, alt. 1510 m
 - 3 Highest point: unnamed pk, grid ref. M27 565821, alt. 1582 m
 - 4 Highest point: unnamed pk, grid ref. M27 596820, alt. 1771 m
- † (except northern part, which is not granite)
Rocks - granite
(unc) - uncommon or local



INDIGENOUS PLANTS

(V) - seen in valleys only (below subalpine zone); (unc) - uncommon or local

GYMNOSPERM TREES AND SHRUBS

Dacrydium cupressinum (V)
Halocarpus biformis
Lepidothamnus laxifolius
Libocedrus bidwillii (V)
Phyllocladus alpinus agg.
Podocarpus hallii (V)
P. nivalis
Prumnopitys ferruginea (V)

Pseudopanax crassifolius
P. linearis
P. simplex (incl. *P. s.* var. *sinclairii*)
P. sp. (unnamed; included in *P. colensoi*, as var. *fiordensis* and as var. *ternatus*, by Wardle 1968)
Quintinia serrata (incl. *Q. acutifolia* and *Q. elliptica*)
Schefflera digitata (V)
Weinmannia racemosa var. *racemosa* (V)

MONOCOT TREES AND SHRUBS

Cordyline banksii (V)
C. indivisa

DICOT TREES

Aristotelia serrata (V)
Carpodetus serratus
Dracophyllum traversii (incl. *D. pyramidale*)
Elaeocarpus hookerianus (V)
Fuchsia excorticata (V)
Griselinia littoralis
Holeraia lyallii var. (*H. glabrata*)
Meliccytus lanceolatus (incl. *M. l.* var. *laticus*) (V) (unc)
Metrosideros umbellata
Myrsine salicina (V)
Nothofagus fusca (V)
N. menziesii
N. solandri var. *cliffortioides*
N. fusca x *N. solandri* (V) (unc)
Pennantia corymbosa (V)
Pittosporum eugeniioides (V)
P. tenuifolium (V)

DICOT SHRUBS

Archera traversii (incl. *A. t.* var. *australis*)
Aristotelia fruticosa var. (unc)
Brachyglottis bidwillii var. *vitidis*
B. hectorii (V) (unc)
B. rotundifolia var. (incl. *B. buechananii* and *B. cockaynei*)
B. bidwillii x *B. rotundifolia*
Cassinia vauvilliersii (unc)
Coprosma cheesemanii s.s.
C. ciliata ssp. *ciliata*
C. colensoi s.s.
C. crenulata
C. depressa
C. foetidissima

Note: The following species have only been seen under overhanging cliffs: *Helichrysum intermedium*, *Meliccytus sp.* (unnamed); *Asplenium lyallii*, *Grammitis patagonica*, *Epilobium sp.* (ii), *Schizilema sp.* (unnamed).

- C. grandifolia (V)
- C. lucida s.s.
- C. propinqua ssp. propinqua (V)
- C. perpusilla ssp. perpusilla
- C. pseudocuneata ssp.
- C. thamnoides (incl. C. polymorpha) (V)
- C. rotundifolia (V)
- C. rugosa ssp. rugosa
- C. serrulata
- C. sp. (i) (unnamed; aff. C. colensoi) (low-growing shrubs with trailing branches)
- C. sp. (ii) (unnamed) (C. parviflora var. dumosa sensu Allan 1961, non C. p. var. dumosa Cheeseman)
- C. sp. (iii) (unnamed; aff. P. pseudocuneata) (low-growing shrub with small, thick, arcuate lvs)
- C. sp. (iv) (unnamed; included in C. parviflora by Oliver, 1935, and others) (V)
- C. propinqua x C. robusta (V) (unc)
- Coriaria arborea (V)
- C. plumosa (V) (unc)
- C. sarmentosa (unc)
- Cyathodes dealbata (incl. C. pumila)
- C. empetrifolia
- Dracophyllum longifolium var. (incl. D. filifolium, D. oliveri)
- D. politum (incl. D. densum)
- D. pubescens var. pubescens
- D. uniflorum var. uniflorum

- Gaultheria antipoda (V)
- G. crassa
- G. depressa s.s.
- G. rupestris (incl. G. subcorymbosa) (V)
- G. sp. (unnamed; included in G. depressa, as var. novae-zelandiae, by Franklin 1962)
- G. nubicola
- G. macrostigma (unc)
- Gaultheria crassa x G. sp. (unnamed) (unc)
- G. c. x G. nubicola (unc)
- G. macrostigma x G. sp. (unc)
- Hebe canterburienensis
- H. ciliolata
- H. cockayneana var. (M Kendall)
- H. haastii var. (aff. var. humilis; see Moore 1961, p. 940)
- H. salicifolia var. salicifolia
- H. tetragona var. (H. ecaetata)
- H. topiaria
- H. sp. (Leonohebe masoniae*)
- H. mactantha var. brachyphylla
- Helichrysum intermedium var.
- Leucopogon fasciculatus var. (V)
- L. fraseri s.s.

- Melicytus sp. (i) (unnamed)
- M. sp. (ii) (unnamed) (prostrate hermaphrodite shrubs; branches up to 40cm long, often tooting; fr white) (unc)

* (incl. L. m. var. rotundata)

PSILOPSIDS AND LYCOPODS

- Myrsine divaricata s.s.
- M. nommularia
- M. divaricata x M. salicina (V) (unc)
- Neomyrtus pedunculata
- Olearia arborescens
- O. colensoi var. colensoi
- O. ilicifolia (unc)
- O. lacunosa var. lacunosa
- O. arborescens x O. lacunosa (unc)
- Pentachondra pumila

- Pimelea longifolia var. (unc)
- P. oreophila (unc)
- Pittosporum rigidum var. (P. crassicaule)
- Pseudopanax anomalus
- P.a. x P. simplex (unc)
- Pseudowintera colorata
- Urtica ferox (V)(unc)

- Tmesipteris tannensis (V)
- Lycopodium australianum
- L. fastigiatum
- L. scariosum
- L. varium (incl. L. billardierei and L. novae-zelandicum)
- L. volubile (V)

FERNS

- Asplenium bulbiferum (V)
- A. flaccidum
- A. hookerianum (V)(unc)
- A. lyallii (unc)
- A. polyodon (V)
- A. richardii (unc)
- A. bulbiferum x A. flaccidum (V)(unc)
- Blechnum chambersii (V)
- B. colensoi (V)
- B. discolor (V)
- B. fluviatile agg.
- B. minus (V)
- B. penna-marina
- B. procerum
- B. vulcanicum (V)
- B. sp. (i) (unnamed) (common lowland sp.; lower pinnae reduced in length) (V)
- B. sp. (ii) (unnamed) (mountain sp.; lower pinnae not reduced) ("The Dunedin-Cass Variety" of Crookes 1963)
- Cyathea colensoi
- C. smithii (V)
- Cystopteris tasmanica (unc)
- Dicksonia squarrosa (V)

DICOT LIANES AND RELATED

- TRAILING PLANTS**
- Metrosideros diffusa (V)
 - Muehlenbeckia australis (V)
 - M. axillaris (unc)
 - Rubus cissoides var. (leaflets broader than in var. cissoides) (V)
 - R. parvus (V)
 - R. schmidelioides var. schmidelioides (V)(unc)

ORCHIDS

- Grammitis billardierei*
G. givenii (unc)
G. magellanica ssp. *nothofageti*
G. patagonica (unc)

G. poeppigiana
Histiopteris incisa
Hymenophyllum armstrongii
H. bivalve (V)
H. demissum (V)
H. ferrugineum (V)
H. flabellatum (V)
H. lyallii (unc)
H. malingii (unc)
H. multifidum
H. peltatum (unc)
H. pulcherrimum (V)
H. ratum (V)
H. revolutum (V)
H. rufescens (V)
H. scabrum (V)
H. villosum
Hypolepis millefolium
H. rufobarbata
Leptolepis novae-zelandiae (V)
Leptopteris hymenophylloides (V)
L. superba
Ophioglossum coriaceum agg. (V)
Paesia scaberula (V)
Phymatosorus postulatus (V)
Polystichum cystostegia
P. vestitum
P. cystostegia X *P. vestitum* (unc)
Pteridium esculentum (V)
Rumohra adiantiformis (V)
Schizaea australis (unc)
Trichomanes reniforme (V)
T. strictum (V) (unc)
T. venosum (V)
- Acianthus viridis* (unc)
Adenochilus gracilis (unc)
Aporostylis bifolia
Caladenia lyallii (unc)
Chiloglottis cornuta (V)
Corybas trilobus s.s.

Earina autumnalis (V)
E. mucronata s.s. (V)
Gastrodia cunninghamii (V)
Lyperanthus antarcticus
Microtis unifolia (V)
Prasophyllum colensoi
Pterostylis itsoniana (V)
P. oliveri (V) (unc)
P. sp. (unnamed; aff. *P. montana*) (V)
Thelymitra hatchii (V)
T. longifolia (V)

GRASSES

- Agrostis dyeri* s.s.
A. muelleriana (Mt Kendall)
A. personata
A. sp. (unnamed; aff. *A. dyeri*)
(panicle not contracted as in A. dyeri)

Chionochoa australis
C. conspicua ssp. *conspicua*
C. oreophila (Mt Kendall)
C. pallens ssp. *pallens*

C. rubra ssp. *occulta*
C. sp. (unnamed) (*C. flavescens* auct. South Island, non *C. flavescens* Zotov)

C. australis x *C. pallens* (unc)
C. a. x *C. tubra* (unc)
C. conspicua x *C. tubra* (unc)
C. oreophila x *C. pallens* (Mt Kendall)
C. pallens x *C. tubra* (unc)
C. tubra x *C. sp.* (unnamed) (unc)
Cortaderia richardii (V)
Deschampsia tenella
Deyeuxia aucklandica
Dichelachne cinnita (V)
Elymus nardutoides (V)
Festuca sp. (unnamed; aff. *F. tubra*)

Hierochloa cuprea (unc)
H. novae-zelandiae
H. recurvata (unc)
H. redolens (V) (unc)
Koeleria cheesemani (Mt Kendall)
Lachnagrostis lyallii s.s. (incl. *L. filiformis* var. *semiglabra*) (V)
Microlaena avenacea
M. colensoi
M. thomsonii
M. colensoi x *M. thomsonii* (unc)
Poa breviglumis
P. celsa
P. cita ssp. *cita* (V)
P. colensoi
P. imbecilla (unc)
P. kirkii
P. maia
P. novae-zelandiae s.s.
P. sp. (unnamed; aff. *P. novae-zelandiae*) (lvs much narrower than in *P. novae-zelandiae*) (Mt Kendall)

Rytidosperma gracile
R. nigricans
R. setifolium
Trisetum youngii
T. 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; included in *T. antarcticum*, as ssp. *tenellum*, by Petrie 1912) (unc)

SEDGES

Carex acicularis
C. cockayneana (V)
C. comans (V) (unc)
C. coriacea†
C. dipsacea var. *dipsaced* (V)
C. dissita s.s.
C. echinata var. (*C. stellulata* var. *australis*)
C. libera
C. pyrenaica var. *cephalotes*
C. secta s.s. (V)
C. sinclairii
C. vitigata (V)
C. sp. (Section *Acutae*)†
Carpha alpina s.s.
Eleocharis acuta
Gahnia procera
Isolepis aucklandica
I. caligenis
I. habita
I. pottsii (V)
Oreobolus impar
O. pectinatus
O. strictus

† possibly forms of one and the same sp.

Schoenus pauciflorus ss. (= "slender form" of Edgar 1970, p. 194)

Uncinia astonii

U. caespitosa

U. clavata

U. distans

U. divaricata

U. drucei

U. egmontiana (V)

U. ferruginea (V)

U. filiformis

U. fuscovaginata var. (plants glaucous)

U. gracilentata

U. involuta

U. longifructus

U. rupestris (incl. *U. angustifolia*) (V)

U. uncinata (V)

U. vitidis

U. zotovii

U. sp. (unnamed) (*U. affinis* sensu Hamlin 1959; non *U. riparia* var. *affinis* Col. ex Clarke) (V)

RUSHES AND ALLIED PLANTS

Centrolepis ciliata

Empodisma minus

Gaimardia setacea

Juncus antarcticus

J. gregiflorus

J. novae-zelandiae

J. pusillus

Luzula colensoi

L. migrata

L. rufa ss.

L. subclavata

L. sp. (i) (unnamed; included in *L. picta*, as var. *limosa*, by Edgar 1966)

L. sp. (ii) (unnamed; included in *L. erinita*, as var. *petricana*, by Edgar 1966)

Marsippospermum gracile
(Mt Kendall)

MONOCOT HERBS OTHER THAN ORCHIDS, GRASSES, SEDGES, RUSH- ES AND ALLIED PLANTS

Astelia fragrans (V)

A. graminea

A. linearis

A. nervosa s.s.

A. nivicola s.s.

A. petrici

A. skottsbergii

A. solandri (V)

A. subulata

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*) (V)

Libertia peregrinans (V)

L. pulchella (V)

Luzuriaga parviflora

Phormium cookianum

Potamogeton cheesemanii (V)
(Bellbird L.)

P. suboblongus (V)

COMPOSITE HERBS

Abrotanella caespitosa
 A. linearis s.s.
 A. pusilla
 Anaphalis keriensis s.s. (V)
 A. sp. (Helichrysum bellidioides s.s.)
 Brachyglottis sp. (unnamed; included in B. bellidioides, as var. crassa, by Nordenstam 1978)
 Brachyscome radicata

Celmisia alpina s.s.
 C. argentea
 C. armstrongii
 C. dallii
 C. gibbsii
 C. incana (incl. C. discolor)
 C. lanceifolia
 C. lateralis (incl. C. l. var. villosa)
 C. montei ssp. (C. coriacea var. lanceifolia)
 C. parva
 C. petriei
 C. sessiliflora (unc)
 C. similis
 C. sinclairii (incl. C. allanii + C. durnietzii)
 C. spectabilis ssp.
 C. sp. (unnamed; aff. C. gracilentata) (plants tufted; lvs linear to linear-lanceolate; upper surface and margins ± thinly covered in tomentum; lower surface glabrous, except for midrib)
 C. argentea x C. armstrongii (unc) →
 C. armstrongii x C. similis (unc)
 Leptinella pyrethri folia agg.
 L. sp. (i) (unnamed; included in L. squalida, as ssp. mediana, by Lloyd and Webb, 1987)
 L. sp. (ii) (unnamed; aff. L. squalida) (pinnae entire or almost so)

Craspedia sp. (cf. C. robusta) (plants summer-green; lvs green, both surfaces clad with long multicellular, non-glandular hairs; over dense short glandular hairs; margins ± faintly white with cottony hairs; fls white)

Dolichoglottis scorzoneroides
 D. lyallii x D. scorzoneroides (unc)
 Gnaphalium audax (V)
 G. laterale (V) (unc)
 G. limosum s.s. (V)
 G. mackayi s.s.
 G. paludosum s.s.
 G. ruahinicum (V)
 G. sp. (unnamed; aff. G. limosum) (lvs very narrow)

Helichrysum filicaule (V)
 Lagenifera cuneata (unc)
 L. petiolata (V) (unc)
 L. pumila (V)
 L. strangulata

Leucogenes grandiceps
 Microseris scapigera var.
 Pseudognaphalium sp. (unnamed; aff. P. luteoalbum) (lvs mostly linear-spathulate to linear, acute)
 Raoulia eximia var.

R. glabra
R. grandiflora var. *grandiflora*
R. subulata (Mt Kendall)
R. tenuicaulis (incl. *R. t.* var. *dimorpha*
 and *R. t.* var. *pusilla*) (V)
Senecio minimus (V)
S. wairauensis
Taraxacum magellanicum

Cardamine sp.(i) (*C. debilis* agg.)
 (cf. "Tussock Race" of Pritchard 1957)
C. sp. (ii) (unnamed)
 ("Scree Race" of Pritchard 1957)
C. sp. (iii) (*C. debilis* agg.) ("Glossy
 Leaf" of Pritchard 1957) (V)
C. sp. (iv) (*C. debilis* agg.) (cf. "Long
 Style" of Pritchard 1957)

DICOT HERBS OTHER THAN

COMPOSITES

Acaena ansetinifolia
A. inermis (V)

A. profundeincisa
Aciphylla anomala
A. colensoi var. *colensoi*

A. polita var. (similar to *A. dissecta*
 but pinnules narrower, us. < 1 mm
 wide, divergent, not contiguous
 to one another)

A. anomala x *A. colensoi* (unc)
A. colensoi x *A. polita* (unc)
Actinotis novae-zelandiae
Anisotome aromatica
A. deltoidea
A. haastii
A. pilifera (unc)
A. sp. (i) (unnamed; included in
A. imbricata, as var. *prostrata*,
 by Dawson 1961)
A. sp. (ii) (unnamed) (mat-forming;
 infls up to 5 cm tall)
A. haastii x *A. sp.* (*A. aromatica* or
A. sp. (ii)) (unc)

Cheesemania latissilqua
 (incl. *C. gibbsii*) (Mt Kendall)
Colobanthus affinis
C. apetalus (incl. *C. a.* var. *alpinus*)
C. canaliculatus (Mt Kendall
 and Shelter Rock Basin)
Donatia novae-zelandiae
Drosera arcturi
D. spathulata
D. stenopetala
Epilobium alsinoides s.s. (V)
E. brunnescens s.s. (V)
E. chlorifolium
E. cockayneanum
E. glabellum s.s.
E. insulare
E. komarovianum (V) (unc)
E. linnaeoides
E. netteroides
E. pernitens
E. pubens
E. tasmanicum (Mt Kendall)
E. sp. (i) (unnamed; included in
E. brunnescens, as ssp.
minutiflorum, by Raven
 and Engelhorn, 1971)
E. sp. (ii) (*E. matthewsii* or *E. verni-*
cosum) (unc)
Euphrasia cheesemani
E. townsonii s.s.

Galium perposillum s.s.

E. sp. (i) (unnamed; aff. *E. petriei*)

E. sp. (ii) (unnamed; aff. *E. laingii*)

E. sp. (iii) (unnamed) (plants small, c. 2 cm tall, glabrous except for glandular-hairy calyx; lvs and calyx lobes acuminate) (Zetland Basin) (unc)

Forstera mackayi

F. sedifolia s.s.

F. tenella

Gentiana bellidifolia

G. gracili folia (incl. *G. vernicosa*)

G. montana (incl. *G. m. var. stolonifera*, *G. patula*, and *G. bellidifolia var. pulchella*)

G. spenceri

G. sp. (i) (unnamed; aff. *G. bellidifolia*) (stems decumbent; lvs very glossy; fls creamy white)

Geranium sp. (aff. *G. microphyllum*)

Geum leiospermum

G. uniflorum

G. sp. (i) (*G. parviflorum* agg.) (stock short; terminal leaflet about as long as broad; fls up to 13 mm diam.)

G. sp. (ii) (*G. parviflorum* agg.) (stock creeping & branching; terminal leaflet slightly longer than broad; fls up to 8 mm diam.)

Gonocarpus aggregatus

Gratiola nana (Kakapo Is.) (unc)

G. sp. (ii) (unnamed; included in *G. bellidifolia*, as var. *australis*, by Cheeseman 1925)

Gunnera dentata var. *dentata* (unc)

G. monoica

Jovellana repens

Hydrocotyle heteromeria (V)

H. microphylla

H. moschata (V)

H. sp. (i) (unnamed; included in *H. n. 3*, as var. *montana*, by Kirk 1899)

H. sp. (ii) (undetermined)

Kelleria dieffenbachii

K. laxa

K. multiflora

Mentha cunninghamii (V)

Mitrasacme novae-zelandiae

Montia fontana s.s. (unc)

Myosotis forsteri (V)

M. lyallii (incl. *M. lyallii* var. *townsonii* and *M. elderti*)

M. sp. (*M. australis* agg.) (fls small, white) (unc)

Myriophyllum triphyllum (unc)

Nertera balfouriana

N. ciliata

N. depressa (incl. *N. cunninghamii*) (V)

N. sp. (unnamed; aff. *N. dichondrifolia*) (hairs present on both surfaces of lf, straight, not hooked as in *N. dichondrifolia*)

Notothlaspi sp. (unnamed) (*N. australe* auct., non *Thlaspi australe* Hook. f.)

Neopaxia sp. (incl. *Montia calycina* and *Claytonia australasica* var. *biflora*)

Oreomyrrhis colensoi s.s. (incl. O.
c. var. hispida and O.c. var.
multifida)

O. sp. (unnamed; aff. O. ramosa)

Oreostylidium subulatum

Ourisia caespitosa ssp. caespitosa

O. lactea ssp. lactea

O. macrocarpa ssp. calycina

O. sessilifolia ssp. sessilifolia
(Mt Kendall)

O. simpsonii

Oxalis magellanica

Parahebe lyallii

Phyllachne clavigera

Plantago lanigera s.l. (incl.
P. novae-zealandiae)

P. raoulii

P. triandra s.s. (unc)

P. uniflora

Pratia angulata ass.

P. macrodon s.s. (Mt Kendall)

Psychrophila novae-zealandiae

Ranunculus amphitrichus (V)

R. foliosus

R. insignis

R. membranifolius

R. reflexus (V)

R. simulans (Tarlo V.) (unc)

Schizilema haastii s.s.

S. nitens

S. trifoliolatum

S. sp. (unnamed; included in S.
haastii, as ssp. cyanopetalum,
by Domin 1908) (unc)

Stellaria decipiens (incl. S.
parviflora)

Urtica incisa (V)

Viola cunninghamii

V. filicaulis

V. lyallii (V)

Wahlenbergia albomarginata

var. albomarginata (incl. W.

pygmaea var. laxa ^{and} W. brockiei)

No. of indigenous spp.: 472.

RECORDS NOT ACCEPTED

Ourisia glandulosa (Mason 1949)

ADVENTIVE PLANTS

(V) - seen in valleys only (below subalpine zone)
(none seen in subalpine and alpine zones)

GRASSES

Agrostis capillaris (V)
Anthoxanthum odoratum (V)
Dactylis glomerata (V)
Festuca arundinacea (V)
F. nigrescens (V)
Glyceria declinata (V)
Poa annua (V)
P. pratensis (V)
Vulpia bromoides (V)

Ranunculus flammula (V)
R. repens (V)
Sagina procumbens (V)
Trifolium dubium (V)
T. repens (V)
Veronica serpyllifolia (V)

No. of adventive spp.: 33.

RUSHES

Juncus articulatus (V)
J. effusus (V)
J. tenuis (V)

COMPOSITE HERBS

Cirsium palustre (V)
C. vulgare (V)
Hypochoeris radicata
Mycelis muralis (V)
Senecio jacobaea (V)
Sonchus asper (V)
Taraxacum officinale s.l.

DICOT HERBS OTHER THAN COMPOSITES

Callitriche stagnalis (V)
Cerastium fontanum ssp. *vulgare* (V)
Digitalis purpurea (V)
Galium palustre (V)
Lotus pedunculatus (V)
Myosotis laxa ssp. *caespitosa* (V)
Plantago lanceolata (V)
Prunella vulgaris (V)

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