

Fieldwork in the western granite mountains totalled 56 days, mostly between 1976 and 1992. The separate areas were visited at the dates indicated below.

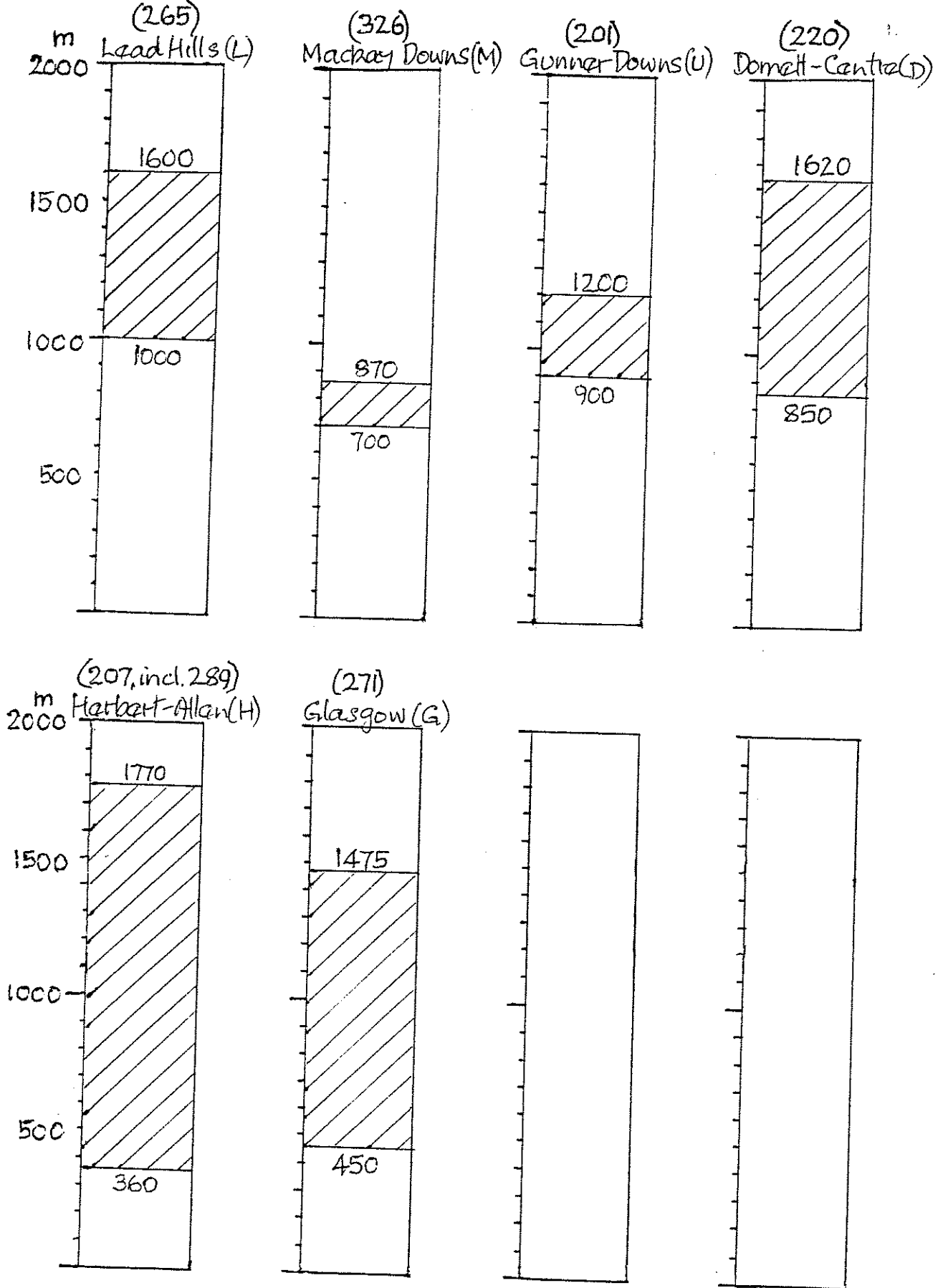
Head Hills area (L)	3 days in April 1966
	3 days in February 1976
	2 days in February 1985
Mackay Downs area (M)	4 days in March 1992
Gunner Downs area (U)	3 days in November 1979
Domett-Centre area (D)	4 days in January 1977
Herbert-Allen area (H)	3 days in May 1980
	7 days in January 1981
	7 days in March 1983
	1 day in January 1987
	9 days in February 1987
Glasgow area (G)	7 days in February 1986
	3 days in December 1986

The following participated in the field work: John Bartlett, Elizabeth Brown, Kingsley Brown, Warren Burke, Helen Druce, Tony Druce, Allan Fife, Elsie Gibbons, Jack Hayward, Arnold Heine, Jan Heine, Roland Heine, Waveney Inch, Ruth Lineham, Les Molloy, Geoff Park, Geoff Rogers, Barbara Simpson, Neill Simpson, Barry Sneddon, Peter Williams, and members of Wellington Botanical Society.

GENERAL LOCATION AND GEOLOGY OF EACH AREA

(Grid refs on Infomap 262-9 are for the centre of each area, mountain, or range) (Geology from Cooper 1984)

Area - Location	Geology	Grid ref.
Lead Hills area (L)	Mesozoic granite	47 03
Mackay Downs area (M), WNW of Goulard Downs	Paleozoic granite	445038
Gunner Downs area (U), SE of mouth of Heaphy R.	Paleozoic granite	441020
Domett-Centre area (D), head of Aotere V., including: Mt Domett	Paleozoic granite	452 016
Centre Mountain		456 015
S Goulard Ra.		458 028
Herbert-Allen area (H), E to SE of Karamea, including:	Paleozoic granite	
Herbert Ra.		455990
Scarlett Ra.		451984
Mt Kendall		460983
Mt Zetland		450979
western Allen Ra.		453977
Stonny Ridge		445990
Glasgow area (G), SE of Seddonville	Paleozoic granite	432955



ALTITUDINAL RANGE OVER WHICH PLANTS WERE RECORDED
IN EACH AREA

The numbers in brackets refer to lists of plants compiled for each area and filed at Landcare Research

INDIGENOUS PLANTS (573 SPECIES)

GYMNOSPERM TREES AND SHRUBS

Dactyidium cupressinum (H, G)

Halocarpus bidwillii (L, M) [Dactyidium bidwillii]

H. biformis (L, M, U, D, H, G) [Dactyidium biforme]

H. bidwillii X H. biformis (M)

Lagarostrobos colensoi (unc M) [Dactyidium colensoi]

Lepidothamnus intermedius (L, unc M, D, unc G) [Dactyidium
intermedium]

L. laxifolius (L, M, U, D, H, G) [Dactyidium laxifolium]

L. intermedius X L. laxifolius (L, M, unc H)

Libocedrus bidwillii (L, unc M, U, D, H, unc G)

Phyllocladus alpinus s.s./P. sp. @ (L, M, U, D, H, G)

P. alpinus s.s. (distribution uncertain)

P. sp. @ (M, U, distribution elsewhere uncertain) (aff. P.
alpinus; "lowland" ecotype of Wardle 1969) [P. alpinus
in part]

Podocarpus acutifolius (D)

P. hallii (unc L, H, G)

P. nivalis (L, unc U, D, H, unc G)

P. hallii X P. nivalis (unc L, unc U)

Prumnopitys ferruginea (H, G) [Podocarpus ferrugineus]

MONOCOTYLEDONOUS TREES AND SHRUBS

Cordyline banksii (H)

C. indivisa (D, H, unc G)

DICOTYLEDONOUS TREES AND SHRUBS

Alsavosmia pusilla (unc H)

Arctostaphylos traversii s.l. (incl. A. traversii var. australis) (L, M, U, D, H, G)

Aristotelia fruticosa var. (a) (L, D, unc H, unc G)

A. setata (D, H)

Brachyglottis adamsii (L, D) [Senecio adamsii]

- B. bidwillii var. viridis (L, D, H, G) [Senecio bidwillii var. viridis]
- B. hectorii (unc H) [Senecio hectorii]
- B. rotundifolia var. a) (incl. B. buchananii and B. cockaynei)
(L, unc M, U, D, H, G) [Senecio bennettii]
- B. bidwillii X B. rotundifolia (unc D, unc H)
- Carpodetus serratus (H, G)
- Cassinia vauvilliersii (L, unc M, U, D, unc H, unc G)
- Coprosma cheesemanii s.s. (L, M, U, D, H, G)
- C. ciliata ssp. ciliata (L, U, D, H, G)
- C. colensoi s.s. (L, M, U, D, H, G) [C. colensoi and C. banksii]
- C. cranulata (L, U, D, H, G)
- C. depressa (D, H, G)
- C. foetidissima (unc L, M, U, D, H, G)
- C. grandifolia (H, G) [C. australis]
- C. lucida s.s. (H)
- C. parpusilla ssp. parpusilla (U, D, H, G) [C. pumila in part]
- C. propinqua ssp. propinqua (H, unc G)
- C. pseudocuneata ssp. a) (L, M, U, D, H, G) (lvs narrower than
in ssp. pseudocuneata)
- C. thamnoides s.l. (incl. C. polymorpha) (U, D, H, G)
- C. rotundifolia (H)
- C. rugosa ssp. rugosa (D, H)
- C. serrulata (unc L, D, H, G)
- C. sp. (a) (M, D, H) (described as C. parviflora var. dumosa by
Cheeseman 1906, non C. parviflora var. dumosa sensu
Allan 1961; lf undersurface not minutely hairy as is
usual in C. parviflora; drupes usually unpigmented,
occasionally purplish red) [C. parviflora in part]
- C. sp. (b) (L, M, U, D, H, G) [C. parviflora var. dumosa sensu
Allan 1961]
- C. sp. (c) (unc M) (aff. C. intertexta; prostrate or lianoid shrubs)
- C. sp. (d) (L, D, H, G) (aff. C. pseudocuneata; low-growing shrubs
with small thick arcuate lvs) [C. pseudocuneata in part]

- C. sp. (e) (L, unc M, U, D, H) (aff. C. colensei; low-growing shrubs with trailing branches) [C. colensei in part]
- C. cheesemani X C. ciliata (unc G)
- C. propinqua X C. robusta (unc H)
- Coriaria angustissima (D)
- C. arborea (H)
- C. plumosa (unc H)
- C. sarmentosa (D, unc H)
- Cyathodes dealbata (L, U, D, H, G) [C. pumila]
- C. empetrifolia (L, M, U, D, H, G)
- C. sp. (b) (L, M, H, G) (C. juniperina agg.; lvs usually not less than 1 cm x 1 mm, up to 1.5 cm x 2.5 mm)
- Dracophyllum longifolium var. (a) (incl. D. filifolium and D. oliveri) (L, unc M, U, D, H, G)
- D. palustre (L, M, U, unc H)
- D. politum s.l. (incl. D. densum) (D, H, G)
- D. pubescens var. pubescens (L, U, D, H, G)
- D. townsonii (M, H)
- D. traversii s.l. (incl. D. pyramidale) (L, M, U, D, H, G)
- D. uniflorum (L, U, D, H, G)
- D. sp. (a) (L) (aff. D. kirkii; low-growing shrubs; branches often rooting; lf blade up to 2 mm wide near sheath, slightly glaucous, very minutely scabrid; lf margins minutely serrulate; infl. of few-flowered racemes)
- D. longifolium X D. palustre (unc M)
- D. longifolium X D. uniflorum (unc U)
- D. politum X D. pubescens (unc G)
- Elaeocarpus hookerianus (unc M, unc U, D, H, G)
- Epactis alpina (L, M, unc U, D)
- Exocarpus bidwillii (L, M, D)
- Fuchsia excorticata (D, H, unc G)

- Gaultheria antipoda (L, M, H)
G. crassa (L, D, H, G)
G. depressa s.s. (D, H, G)
G. macrostigma (M, U, unch) [Pernettya macrostigma]
G. nubicola (H, unc G) [Pernettya nana in part]
G. rupestris s.l. (incl. G. subcorymbosa) (unc U, D, H)
G. sp. (a) (L, M, U, D, H, G) (described as G. depressa var. novae-zelandiae by Franklin 1962) [G. depressa in part]
G. antipoda X G. sp. (a) (unc M)
G. crassa X G. nubicola (unc H)
G. crassa X G. rupestris (unc D)
G. crassa X G. sp. (a) (unc H, G)
G. macrostigma X G. sp. (a) (unc M, unc U, unc H, unc G)
G. rupestris X G. sp. (a) (unc D)
Griselinia littoralis (L, M, unc U, D, H, G)
Hebe canterburcensis (L, U, D, H, G)
H. ciliolata (L, D, H, G)
H. cochayneana var. (a) (H, unc G)
H. gracillima (unc G)
H. haastii var. (a) (H) (aff. var. humilis; see Moore 1961, p. 940)
H. macrantha var. brachyphylla (D, H, unc G)
H. odora s.s. (U)
H. salicifolia var. salicifolia (D, H, unc G)
H. tetragona var. (a) (incl. H. coarctata) (L, D, H)
H. topiaria (L, unc U, D, H, G)
H. sp. (a) (incl. Leonohebe masoniae) (L, H, G) [H. pauciramosa var. masoniae]
H. sp. (b) (incl. Leonohebe mooreae) (L, M, U, D) [H. odora in part]
Helictysum intermedium var. (a) (H) [H. selago var. intermedium in part]

- Hoheria lyallii var. (d) (incl. H. glabrata) (D, H, unc G)
Leptospermum scoparium (L, M, unc U, D, unc H, G)
Leucopogon fasciculatus var. (a) (M, H, G) (juvenile lvs
 not much broader than adult lvs) [Cyathodes
fasciculata]
L. fraseri ss. (unc U, D, H) [Cyathodes fraseri]
Melicytus lanceolatus s.l. (incl. M. lanceolatus var.
latior) (unc H)
M. sp. (a) (unc H) (prostrate hermaphrodite shrubs;
 branches up to 40cm long, often rooting; lvs
 linear-oblong; fl white)
M. sp. (f) (L, unc U, D, H, G) (aff. M. alpinus; shrubs taller
 than in M. alpinus, up to 2.4m; spiny shoots point in
 all directions with average branch angle of c. 70°,
 whereas in M. alpinus they tend to point in one
 direction with an average branch angle of c. 50°;
 lvs broader than in M. alpinus) [Hymenanthus alpinus in part]
Metrosideros parkinsonii (G)
M. umbellata (L, M, U, D, H, G)
Myrsine divaricata s.s. (L, M, U, D, H, G)
M. nummularia (L, unc M, U, D, H, G)
M. salicina (H, G)
M. divaricata X M. salicina (unc H)
Neomyrtus pedunculata (unc M, D, H, G)
Nothofagus fusca (D, H, G)
N. menziesii (unc M, U, D, H, G)
N. solandri var. cliffortioides (L, M, U, H, D, G)
N. truncata (H, G)
N. fusca X N. solandri (unc H)

- Olearia arborescens (D, H)
O. avicenniifolia (unc G)
O. colensoi var. colensoi (L, unc M, U, D, H, G)
O. ilicifolia var. (a) (D, unc H) (lvs broader than in var. ilicifolia:
 laminae up to 3cm wide compared with 1.7cm, and length/
 breadth ratio 3.0-3.7 compared with 4.1-5.8)
O. lacunosa var. lacunosa (L, U, D, H, G)
O. nummulatifolia var. (a) (L) (lvs oval, rather than suborbic-
 ular as in var. nummulatifolia)
O. vitgata var. implicita s.l. (incl. O. vitgata var. divaricata
 and O. vitgata var. laxiflora) (unc M)
O. arborescens X O. ilicifolia (unc D)
O. arborescens X O. lacunosa (unc H)
O. capillaris X O. ilicifolia (unc D)
O. ilicifolia X O. lacunosa (unc D)
Pannantia corymbosa (H)
Pentachondra pumila (L, M, U, D, H, G)
Petaxilla tetrapetala (unc L) [Elytranthe tetrapetala]
Pimelea gnidia var. gnidia (unc M)
P. longifolia (unc U, unc H)
P. oteophila (unc M, U, unc H, D) [P. pseudolyallii in part]
Pittosporum anomalum (L, M)
P. eugenioides (H)
P. rigidum var. (a) (incl. P. crassicaule) (L, M, U, D, H, G)
P. tenuifolium (H)
Pseudopanax anomalus (L, M, U, D, H, G) [Neopanax anomalum]
P. crassifolius (H)
P. linearis (L, M, U, D, H, G)
P. simplex s.l. (incl. P. simplex var. sinclairii) (unc L, M, U, D, H, G)
 [Neopanax simplex]
P. sp. (a) (L, M, U, D, H, G) (described as P. colensoi var.
ternatus by Wardle 1968) [Neopanax colensoi in part]
P. anomalus X P. simplex (unc H)

Pseudowintera colorata (U, D, H, G)

P. traversii (L, M, unc U)

Quintinia serrata s.l. (incl. Q. acutifolia and Q. elliptica)
(M, U, D, H, G)

Schefflera digitata (H)

Urtica ferox (unc H)

Wainmannia racemosa var. racemosa (unc L, M, U, D, H, G)

DICOTYLEDONOUS LIANES AND RELATED TRAILING PLANTS

Metrosideros diffusa (H)

M. fulgens (H, G)

Muehlenbeckia australis (D, H)

M. axillaris (D, unc H, unc G)

M. australis x M. axillaris (D)

Rubus cissoides var. (a) (D, H, G) ("form c" of Allan 1961; flts
broader than in var. cissoides)

R. parvus (D, H)

R. schmidelioides var. schmidelioides (unc H)

PSILOPOIDS AND LYCOPODS

Tmesipteris taunensis (U, H, G)

Lycopodium australianum (L, unc M, unc U, D, H, G)

L. fastigiatum (L, M, U, D, H, G)

L. laterale s.l. (incl. L. ramulosum) (L, M, D)

L. scariosum (L, M, U, D, H, G)

L. varium (L, unc M, U, D, H, G)

L. volubile (D, H, G)

FERNS

Asplenium bulbiferum (H)

A. flaccidum (unc M, U, H, G)

- Asplenium hookerianum (unc H)
A. lyallii (unc H)
A. polyodon (H)
A. richardii (unc H)
A. terrestre ssp. terrestre (unc D)
A. bulbiferum X A. flaccidum (unc H)
Blechnum chambersii (H)
B. colensoi (H)
B. discolor (unc M, U, D, H, G)
B. fluviatile (unc M, U, D, H, G)
B. minus (H)
B. penna-matina (L, U, D, H, G)
B. procerum (L, M, U, D, H, G)
B. vulcanicum (H)
B. sp. (a) (unc M, unc U, H, G) (lowland sp.; lower pinnae reduced in length) [B. sp. 1]
B. sp. (b) (L, unc M, U, D, H, G) (mountain sp.; lower pinnae not reduced in length; "The Dunedin-Cass Variety" of Crookes 1963) [B. sp. 3]
B. procerum X B. sp. (a) (unc M)
B. procerum X B. sp. (b) (unc G)
Ctenopteris heterophylla (G)
Cyathea colensoi (unc M, D, H, G)
C. smithii (H)
Cystopteris tasmanica (unc H)
Dicksonia squarrosa (H, G)
Gleichenia dicarpa (L, M, G)
Grammitis billardieri (L, M, U, D, H, G)
G. givenii (unc L, unc U, unc D, unc H, unc G)
G. magellanica ssp. nothofageti (L, unc M, U, D, H, G)
G. patagonica (unc H)
G. poeppigiana (L, unc M, unc U, D, H, G)

Histiopteris incisa (unc L, unc M, D, H, G)
Hymenophyllum armstrongii (M, U, D, H, G)
H. bivalve (H, G)
H. demissum (D, H, G)
H. dilatatum (H, G)
H. ferrugineum (H, G)
H. flabellatum (unc M, H, G)
H. lyallii (unc M, unc H, unc G)
H. malingii (unc M, U, unc H)
H. minimum (unc G)
H. multifidum (L, M, U, D, H, G)
H. peltatum (unc M, unc H, G)
H. pulcherrimum (H)
H. ratum (unc M, U, D, H)
H. revolutum (U, H, G)
H. rufescens (M, U, D, H, G)
H. scabrum (H)
H. villosum (L, M, U, D, H, G)
Hypolepis distans (unc G)
H. millefolium (D, H, G)
H. rufobarbata (D, H, unc G)
Leptolepia novae-zelandiae (H)
Leptopteris hymenophylloides (H)
L. superba (M, U, D, H, G)
Lindsaea trichomanoides (H)
Ophioglossum cotiaceum agg. (L, D, H)
Paesia scaberula (H, G)
Phymatosorus pustulatus (D, H) [P. diversifolius]
Polystichum cystostegia (D, H, unc G)
P. vestitum (L, unc M, unc U, D, M, H, G)
P. cystostegia X P. vestitum (unc H)
Pteridium esculentum (D, H, G)
Rumohra adiantiformis (H)

Schizaea australis (L, unc M, unc D, unc H, unc G)
Sticherus cunninghamii (M)
Trichomanes elongatum (G)
T. endlicheriana (G)
T. reniforme (H, G)
T. strictum (unc H)
T. venosum (H)

MONOCOTYLEDONOUS HERBS

ORCHIDS

Acianthus viridis (unc H)
Adenochilus gracilis (D, unc H, unc G)
Aporostylis bifolia (L, M, U, D, H, G)
Caladenia lyallii (D, unc H)
Chiloglottis cornuta (U, H, G)
Corybas acuminatus (unc U, unc G) [Corybas rivularis]
C. macranthus (unc G)
C. trilobus s.s. (D, H, G)
Cytostylis oblonga egg (G) [Acianthus reniformis]
Dendrobium cunninghamii (G)
Eatina autumnalis (H, G)
E. mucronata s.s. (H, G)
Gastrodia cunninghamii (H)
Lyperanthus antarcticus (M, U, D, H, G)
Microtis unifolia (D, H, G)
Prasophyllum colensoi (L, M, U, D, H, G)
Pterostylis banksii (H)
P. itsoniana (unc D, H, unc G)
P. olivati (unc H)
P. venosa (M, U, D, H, G)
P. sp. (c) (H) (aff. P. montana)
Thelymitta cyanea (unc L, M, unc U, D, G) [T. venosa]
T. formosa (unc M)

T. hatchii (D, H, unc G)

T. longifolia s.s. (D, H, unc G)

T. pulchella (unc G)

Townsonia deflexa (unc H) [Acianthus vitidis]

GRASSES

Agrostis dyeri s.s. (L, U, H, G)

A. muelleriana (H) [A. subulata in part]

A. orosbia (unc D)

A. pallescens (D)

A. personata (M, U, D, H, G) [A. parviflora]

A. sp. (b) (L, D, H, G) (aff. A. dyeri but panicle not contracted)
[A. dyeri in part]

Chionochloa australis (L, M, U, D, H, G) [Danthonia australis]

C. choesemani (D) [Danthonia raoulii var. choesemani]

C. conspicua ssp. conspicua (L, U, D, H, G) [Danthonia
cunninghamii]

C. oreophila (H) [Danthonia oreophila]

C. pallens ssp. pallens (L, D, H, G) [Danthonia raoulii in part]

C. tubra ssp. occulta (L, M, U, D, H, G) [Danthonia raoulii
in part]

C. sp. (a) (D, H, G) (C. flavescens auct. South Island, non
C. flavescens Zotov; lf blade green on abaxial
surface, glaucous on adaxial surface, wide, strap-like,
without midrib, or with faint midrib on abaxial surface
only) [Danthonia raoulii var. flavescens in part]

C. australis x C. pallens (unc H, unc G)

C. australis x C. tubra (unc H)

C. conspicua x C. pallens (unc D)

C. conspicua x C. tubra (unc D, unc H)

C. oreophila x C. pallens (H)

C. pallens x C. tubra (D, unc H, G)

C. tubra x C. sp. (a) (unc D, unc H)

- Cortaderia richardii (H)
Deschampsia novae-zelandiae (incl. D. chapmanii?) (D)
D. tenella (D, H, G)
Deyeuxia Aucklandica (L, M, U, D, H, G) [D. setifolia]
D. avenoides s.l. (incl. D. avenoides var. brachyantha) (L, unc M, unc U)
Dichelachne chinata (H)
Elymus nudusoides (H) [Asperella gracilis]
Festuca sp. (a) (L, H) (slender, tufted green or glaucous green plants with setaceous lvs) [F. rubra in part]
F. sp. (b) (D) (aff. F. matthewsii; plants tufted, but not tussock-forming)
Hierochloa cuprea (unc H) [H. fraseri in part]
H. novae-zelandiae (L, M, U, D, H, G) [H. fraseri in part]
H. recurvata (D, unc H) [H. fraseri var. recurvata]
H. redolens (D, unc H)
Koeleria cheesemani (H) [Trisetum cheesemani]
Lachnagrostis lyallii s.l. (incl. L. filiformis var. semiglabra) (L, D, H) [Deyeuxia forsteri var. semiglabra]
Microlaena avenacea (M, U, D, H, G)
M. colensoi ss. (L, U, D, H, G) [Ehrharta colensoi]
M. thomsonii (M, unc U, H) [Ehrharta thomsonii]
M. colensoi x M. thomsonii (unc H)
Poa breviglumis (D, H, G) [P. imbecilla var. breviglumis]
P. celsa (D, H, G) [P. kirkii in part]
P. cita ssp. cita (D, H) [P. caespitosa]
P. colensoi (L, unc M, U, D, H, G)
P. imbecilla (unc H)
P. kirkii (D, H)
P. maia (M, D, H, G)
P. novae-zelandiae ss. (D, H, G)
P. sp. (c) (H, unc G) (aff. P. novae-zelandiae; sedge plants with narrow lvs) [P. novae-zelandiae in part]

Rytidosperma australe (D) [Triodia australis]

R. gracile (L, M, U, D, H, G) [Danthonia semiannularis in part]

R. nigricans (L, M, U, D, H, G) [Danthonia semiannularis var. nigricans]

R. setifolium [L, D, H, G] [Danthonia semiannularis var. setifolia]

R. vitide (unc D) [Danthonia semiannularis in part]

Trisetum youngii (D, H)

T. sp. (a) (D, H, unc G) (plants slender; lf sheath glabrous or nearly so; lf blade flat, up to 2.5 mm wide, margins smooth, usually with a few hairs near ligule) [T. antarcticum in part]

T. sp. (b) (unc H) (described as T. antarcticum ssp. tenellum by Pathe 1912) [T. antarcticum var. tenellum]

SEDGES

Carex acicularis s.l. (incl. C. allanii) (L, unc U, D, H, G)

C. cochleariana (D, H, unc G)

C. comans (unc H)

C. coriacea (H)

C. dallii (M, D, unc G)

C. dipsacea var. dipsacea (H)

C. dissita s.s. (D, H, G)

C. echinata (L, M, D, H)

C. gaudichaudiana (L, M, U, unc G)

C. libera (L, U, H, G)

C. pyrenaica var. cephalotes (D, H, unc G)

C. secta s.s. (H)

C. sinclairii (D, H)

C. trachycarpa (D)

C. virgata (H)

C. wakatipu s.s. (D)

- C. sp. (d) (U, D, H, G) (aff. C. coriacea but lvs bright green, not becoming stiff and yellow-green in exposed sites; utricles similar to those of C. coriacea, faintly to obscurely nerved; beak minute or absent) [C. geminata in part]
- C. sp. (e) (unc M, U, unc G) (aff. C. dissita but plants much smaller)
- Cerpha alpina s.s. (L, M, U, D, H, G)
- C. sp. (a) (M, unc G) (aff. C. alpina but taller and more slender, and with narrower, acute lvs; see Edgar 1970, p. 200) [C. alpina in part]
- Eleocharis acuta (unc L, D, H)
- Gahnia procera (L, M, U, D, H, G)
- Isolepis aucklandica (unc M, U, D, H, G) [Scirpus aucklandicus]
- I. caligenis (H, G) [Scirpus caligenis]
- I. habra (D, H, G) [Scirpus habrus]
- I. pottsii (H) [Scirpus pottsii]
- I. subtilissima (unc M, D) [Scirpus subtilissimus]
- Oreobolus impar (L, U, D, H, G)
- O. pectinatus (unc M, L, U, D, H, G)
- O. strictus (L, M, U, D, H, G)
- Schoenus pauciflorus s.s. (L, U, D, H, G)
- Uncinia astonii (U, H, G)
- U. caespitosa (H)
- U. clavata (D, H, G)
- U. distans (H)
- U. divaricata (D, H, G)
- U. drucei (H)
- U. egmontiana (H)
- U. ferruginea (H)
- U. filiformis (unc M, U, D, H, G)
- U. fuscovaginata var. (a) (U, D, H, G) (plants glaucous)
- U. gracilentata (H, G)
- U. involuta (L, unc M, unc U, D, H, G)
- U. longifructus (D, H, G)
- U. nervosa s.s. (L, G)
- U. rupestris s.l. (incl. U. angustifolia) (L, M, U, D, H, G)

- U. uncinata (U, D, H, G)
U. viridis (D, H, G)
U. zotovii (L, H, G)
U. sp. (a) (M, U, uncl, H, G) (aff. U. nervosa but plants more slender; see Edgar 1970, p. 231) [U. nervosa in part]
U. sp. (b) (D, H) (U. affinis sensu Hamlin 1959, non U. riparia var. affinis Clarke; see Nooteboom 1978)

RUSHES AND ALLIED PLANTS

- Centrolepis ciliata (L, M, U, D, H, G)
C. pallida (unc G)
Empodisma minus (L, M, U, D, H, G) [Calotrophus minor]
Gaimardia setacea (L, M, U, D, H, G)
Juncus antarcticus (L, U, D, H, G)
J. gregiflorus (H)
J. novae-zelandiae (L, uncl M, U, D, H, G)
J. planifolius (unc M)
J. posillus (unc M, U, D, H, G)
Luzula colensoi (L, D, H, G)
L. migrata (L, uncl U, D, H, G) [L. banksiana var. migrata]
L. picta ss. (D)
L. rufa ss. (unc L, H)
L. subclavata (D, H, uncl G) [L. picta var. pallida]
L. sp. (a) (M, U, D, H, G) [L. picta var. limosa]
L. sp. (b) (H) [L. crinita var. petricana]
L. sp. (undetermined) (U) (plants rhizomatous, forming patches; infl at most only slightly taller than lvs; glumes straw-coloured with or without light brown keel)
L. colensoi X L. migrata (unc G)
Marsippospermum gracile (H)

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

Astelia fragrans (H)

A. graminea (L, M, D, H)

A. linearis s.l. (incl. A. linearis var. novae-zelandiae) (L, M,
U, D, H, G)

A. nervosa s.s. (D, H)

A. nivicola s.s. (U, D, H, G)

A. petrici (D, H, G)

A. skottsbergii (L, U, D, H, G)

A. solandri (H)

A. subulata (unc M, unc D, H)

A. trinervia (H)

A. sp. (a) (M, U, H, G) [A. nivicola var. moticcae]

A. sp. (b) (L, M, U, D, H, G) (aff. A. nervosa but lvs broader and
not conspicuously white adaxially) [A. nervosa in part]

Dianella nigra (G)

Herpotion novae-zelandiae (L, M, unc U, D, H, G)

Libertia peregrinans (D, H, unc G)

L. pulchella (M, U, D, H, G)

Luzuriaga parviflora (L, M, U, D, H, G)

Phormium cookianum (L, M, D, H, G)

Potamogeton cheesemani (H)

P. suboblongus (D, H)

DICOTYLEDONOUS HERBS

COMPOSITES

Abrotanella caespitosa (L, M, U, D, H, G)

A. linearis s.s. (unc M, U, D, H, G)

A. pusilla (D, H, G)

Anaphalis keriensis s.s. (H) [Gnaphalium keriense]

A. sp. (a) (L, M, U, D, H, G) [Helichrysum bellidioides s.s.]

- Brachyglottis sp. (a) (L, M, U, D, H, G) (included in B. bellidioides, as var. crassa, by Nordenstam 1978) [Sencio bellidioides in part]
- Brachyscome radicata (D, H)
- Celmisia alpina s.s. (L, U, D, H, G)
- C. argentea (unc D, H, unc G)
- C. armstrongii (unc M, U, D, H, G)
- C. dallii (unc L, unc M, U, D, H, G)
- C. gibbsii (D, H, G)
- C. haastii ssp. haastii (D)
- C. hieracifolia ssp. hieracifolia (L)
- C. incana s.l. (incl. C. discolor) (L, U, D, H, G)
- C. laricifolia (L, U, D, H, G)
- C. lateralis s.l. (incl. C. lateralis var. villosa) (L, U, H, unc G)
- C. mentoi ssp. (b) (L, D, H, G) (described as C. coriacea var. lanceifolia by Cheeseman 1925)
- C. parva (L, M, U, D, H)
- C. petriei (L, D, H)
- C. sessiliflora (D, unc H, G)
- C. similis (L, M, U, H)
- C. sinclairii s.l. (incl. C. allanii and C. durietzii) (H)
- C. spectabilis ssp. spectabilis (L, D, H)
- C. traversii (D)
- C. sp. (a) (aff. C. gracilentae; plants tufted; lvs linear to linear-lanceolate, up to 45 x 1.2 cm) ssp. (a) (G) (upper surface and margins of lf thinly covered in tomentum; lower surface densely covered) [C. gracilentae in part]
- C. sp. (a) ssp. (b) (L, M, U, H) (lower surface glabrous except for midrib)
- C. alpina x C. sp. (undetermined) (unc G)
- C. argentea x C. armstrongii (unc H)
- C. armstrongii x C. parva (unc U, unc H)

C. armstrongii X C. similis (unc U, unc H)

C. armstrongii X C. spectabilis (D)

C. similis X C. spectabilis (unc L)

Craspedia sp. (c) (D, H, G) (summer-green plants, in bogs and in moist herbfields and tussock lands; lvs green; lamina narrowing gradually to long petiole; both surfaces clad in long, multicellular non-glandular hairs, with or without cottony tips, overtopping short glandular hairs; margins faintly to distinctly white with cottony hairs; fls white)

C. sp. (d) (M, U) (small summer-green plants, usually in bogs; lvs green; lamina almost as broad as long, narrowing abruptly to slender petiole about as long as lamina; both surfaces clad in long multicellular non-glandular hairs, with or without cottony tips, overtopping short glandular hairs; margins not white, or very faintly so with a thin band of cottony hairs; fls white) -

C. sp. (cf. bb) (L) (summer-green plants in seepages in tussock lands; lvs green; both surfaces clad in very short non-glandular hairs, or almost glabrous; margins without cottony hairs; fls white)

Dolichoglottis scorzoneroides (D, H, G) [Senecio scorzoneroides]

D. lyallii X D. scorzoneroides (unc H)

Gnaphalium audax (H, G) [G. collinum in part]

G. involucreatum (unc G)

G. laterale (unc D, unc H, unc G) [G. paludosum in part]

G. limosum s.s. (D, H, G) [G. collinum in part]

G. machayi s.s. (L, U, H) [G. travetsii in part]

G. paludosum s.s. (U, D, H)

G. vahanicum (H) [G. collinum in part]

G. sphaericum (unc G) [G. involucreatum in part]

- G. sp. (f) (H) (aff. G. limosum but lvs narrower, linear rather than narrow-oblong, oblanceolate or narrow-elliptic; see Webb 1988, p. 245) [G. collinum in part]
- Helictysum filicaule (H)
- Lagenifera cuneata (D, unc H, unc G)
- L. petiolata (unc H) [L. pumila var. multidentata]
- L. pumila (D, H, unc G)
- L. strangulata (D, H, G) [L. petiolata]
- Leptiniella pyrethrifolia agg. (D, H) [Cotula pyrethrifolia]
- L. sp. (b) (L, M, U, D, H) (included in L. squalida, as ssp. mediana, by Lloyd and Webb, 1987) [Cotula squalida in part]
- L. sp. (d) (H) (aff. L. squalida and L. sp. b but pinnæ entire or almost so) [Cotula squalida in part]
- Leucogenes grandiceps (D, H, unc G)
- Microseris scapigera (L, D, H)
- Pseudognaphalium sp. (a) (D, H) (aff. P. luteoalbum; lvs mostly linear-spathulate to linear, acute) [Gnaphalium luteoalbum in part]
- Raoulia eximia s.l. (incl. R. tubra) (L, H, G)
- R. glabra (unc M, D, H, unc G)
- R. grandiflora var. grandiflora (L, unc M, U, D, H, G)
- R. subulata (H)
- R. tenuicaulis s.l. (incl. R. tenuicaulis var. dimorpha and R. tenuicaulis var. pusilla) (D, H)
- Senecio minimus (H, G) [Erachtites minima var. heterophylla and E. minima var. angustata]
- S. wairauensis (L, D, H, G) [Erachtites wairauensis]

DICOTYLEDONOUS HERBS OTHER THAN COMPOSITES

- Acaena anseriniifolia (D, H, G) [A. anseriniifolia, A. pusilla, A. pusilla var. suprasetiifera, and A. vitidior]

A. inermis (H) [A. inermis and A. microphylla var. robusta]

A. profundeincisa (D, H, unc G) [A. anserinifolia var. sericeinitens and A. anserinifolia var. paucidens]

Aciphylla anomala (H, G)

A. colensoi var. colensoi (unc U, D, H)

A. colensoi var. (a) (incl. A. indurata) (G)

A. hookeri (unc U, D, G)

A. polita var. (a) (L, D, H, G) (If segments coarser than in var. polita and stipules mostly simple; forms with particularly coarse segments, from Head Hills, Boulder L. and elsewhere in northern NW Nelson, are included here as they appear to grade into the usual form and are not separated ecologically; see Dawson and Le Comte, 1978)

A. anomala X A. colensoi var. colensoi (unc H)

A. colensoi var. colensoi X A. hookeri (unc D)

A. colensoi var. colensoi X A. polita (unc D, unc H)

A. colensoi var. (a) X A. hookeri (G)

Actinotis novaezelandiae (L, M, U, D, H, G) [Hemiphves suffocata var. novaezelandiae]

Anisotome aromatica (L, M, U, D, H, G) [A. aromatica vars. aromatica, flabellifolia, incisa, major, obtusa, and pinnatisecta]

A. deltoidea (L, unc U, D, H)

A. haastii (L, D, H, G)

A. pilifera (L, unc H)

A. sp. (a) (unc U, D, H, G) (aff. A. sp. b; plants rhizomatous but not usually forming dense mats; pinnae without hair-tip or with only a short one; infls up to 5cm, not hidden amongst the lvs)

A. sp. (b) (L, D, H, G) (described as A. imbricata var. prostrata by Dawson 1961) [A. imbricata in part]

A. haastii X A. sp. (undetermined) (unc H)

Cardamine sp.(b) (D, H, G) (C. debilis agg.; "Long Style" of Pritchard 1957)

C. sp.(c) (D) (C. debilis agg.; "Narrow Petal" of Pritchard 1957)

C. sp.(d) (uncU, D, H, G) (C. debilis agg.; "Glossy leaf" of Pritchard 1957)

C. sp.(e) (D, H) ("Tussock Race" of Pritchard 1957)

C. sp.(i) (D, H) ("Sedge Race" of Pritchard 1957)

Cheesemania latisiliqua s.l. (incl. C. gibbsii) (uncD, H)

Chionohebe pulvinaris (L, D) (Moore, 1961, p. 872, records that "all collections seen from Lead Hill have hairs on the outer lf-surface only") [Pygmaea pulvinaris]

Colobanthus affinis (U, D, H, uncG)

C. apetalus s.l. (incl. C. apetalus var. alpinus) (L, uncM, H)

C. canaliculatus s.s. (D, H)

Coprosma talbrockiae (L, uncM)

Donatia novae-zelandiae (L, M, U, D, H, G)

Drosara arcturi (L, M, U, D, H, G)

D. binata (D)

D. spathulata (L, M, U, D, H, G)

D. stenopetala (L, uncM, U, D, H, G)

Elatine gratioloides (uncG)

Epilobium alsinoides s.s. (D, H) [E. alsinoides & E. thymifolium]

E. brunnescens s.s. (D, H, G)

E. chlorifolium (D, H)

E. cochayneanum (uncM, U, D, H, G)

E. glabellum s.s. (D, H)

E. insulare (H)

E. komarovianum (D, uncH)

E. linnaeoides (D, H)

E. matthewsii (uncH)

E. verticoides (L, D, H)

E. pernitens (L, uncM, U, D, H, G)

E. pubens (H) [E. pubens and Epubens var. strictum]

E. tasmanicum (uncH)

E. sp. (a) (D, H, G) (included in E. brunnescens, as ssp. minutiflorum, by Raven and Engelhorn, 1971) [E. pedunculare var. minutiflorum]

Euphrasia chaesemani (D, H)

E. dyetii (D)

E. patricii (D, H)

E. revoluta (unc G)

E. townsonii ss. (L, M, U, D, H, G)

E. sp. (b) (unc H) (aff. E. townsonii; plants small, c. 2 cm tall, glabrous except for glandular-hairy calyx; lvs and calyx lobes acuminate)

E. sp. (c) (L, H) (aff. E. laingii) [E. laingii in part]

Forstera machayi (L, unc M, U, D, H, G)

F. sedifolia ss. (unc M, D, H, G)

F. tenella (unc M, U, D, H, G)

F. sp. (d) (L, unc G) (stems up to 35 cm long; lvs closely spaced, not recurved, persisting well down stem and becoming thin and translucent; costa not apparent)

Galium perpusillum ss. (D, H)

Gentiana bellidifolia (D, H)

G. gracilifolia s.l. (incl. G. vernicosa) (L, D, H)

G. montana s.l. (incl. G. montana var. stolonifera, G. patula, and G. bellidifolia var. pulchella) (L, M, U, D, H)

G. spenceri (M, U, D, H, G)

G. townsonii (G)

G. sp. (a) (L, D, H) (aff. G. bellidifolia; plants perennial, forming small to large patches; stems decumbent; lvs very glossy, folded, tips deflexed; fls large, creamy white) [G. bellidifolia in part]

G. sp. (b) (G) (aff. G. montana; plants perennial, forming small to large clumps; stems tall, robust, often decumbent at base; basal lvs densely rosulate, in adult plants usually placed some distance up stem,

i.e. well above ground level; blade usually apiculate; petiole shorter than blade; cauline lf pairs (2)-4-10; infls umbelliform)

G. sp. (d) (H, G) (described as G. bellidifolia var. australis by Cheeseman 1925) [G. bellidifolia in part]

Geranium sp. (c) (L, U, D, H, G) (aff. G. microphyllum) [G. microphyllum in part]

G. leiospermum (H)

G. uniflorum (U, D, H, G)

G. sp. (a) (D, H) (G. parviflorum agg.; stock short; terminal lft about as long as broad; fls up to 13mm diam) [G. parviflorum in part]

G. sp. (b) (D, H) (G. parviflorum agg.; stock creeping and branching; terminal lft slightly longer than broad; fls up to 8mm diam.) [G. parviflorum in part]

Gingidia montana (unc D) [Angelica montana]

Gonocarpus aggregatus (L, M, U, D, H, G) [Haloragis depressa]

G. micranthus ssp. micranthus (unc L, M) [Haloragis micrantha]

Gnatiola nana (unc H)

Gunnera dentata var. dentata (D, unc H)

G. monoica (H, G) [G. albocarpa, G. monoica and G. stigosa]

Hydrocotyle dissecta (D)

H. heteromeria (H, unc G) [H. americana var. heteromeria]

H. microphylla (L, D, H, unc G)

H. moschata (H)

H. sulcata (D) [H. tripartita in part]

H. sp. (d) var. (d) (D, H) [H. novae-zeelandiae var. montana]

H. sp. (e) (unc U, H) (lvs (3)-4-(5) mm diam.)

Jovellana repens (H)

Kelleria dieffenbachii (unc M, U, D, H, G) [Drapetes dieffenbachii]

K. laxa (unc L, M, U, D, H, unc G) [Drapetes laxus]

K. multiflora (M, D, H, unc G) [Drapetes multiflorus]

K. tessellata (L) [Drapetes villosus in part]

- Lilaeopsis ruthiana (D)
Liparophyllum gunnii (L, M, unc U, D)
Mentha cunninghamii (H)
Mitrasacme novae-zealandiae (unc U, D, H, G)
Montia fontana s.s. (L, U, D, H)
Myosotis forsteri (D, H, unc G)
M. lyallii s.l. (incl. M. lyallii var. townsonii and M. eddetti) (unc D, H, unc G)
M. sp. (b) (unc H) (M. australis agg.; fls small, white)
M. sp. (c) (D) [M. pygmaea var. drucei]
Myriophyllum pedunculatum ssp. novae-zealandiae (unc G)
M. triphyllum (D, H) [M. elatinooides]
Neopaxia sp. (b) var. (a) (L, D, H) (described as Claytonia calycina by Colenso 1896) [Claytonia australasica in part]
Nertera balfouriana (unc M, U, D, H, G)
N. ciliata (L, unc M, D, H, G)
N. depressa s.l. (incl. N. cunninghamii) (D, H, G)
N. scapanioides (L, unc G) [N. setulosa in part]
N. sp. (a) (unc M, U, D, H, G) (aff. N. dichondrifolia but hairs present on both surfaces of lf, straight, not hooked) [N. dichondrifolia in part]
Notothlaspi sp. (b) (H) (N. australe auct., non Thlaspi australe Hook. f.) [N. australe]
Oreomyrrhis colensoi s.s. (incl. O. colensoi var. hispida and O. colensoi var. multifida) (L, unc M, unc U, D, H, G)
O. sp. (d) (H) (aff. O. ramosa) [O. ramosa in part]
Oreostylidium subulatum (unc L, M, U, D, H, G)
Ourisia caespitosa ssp. caespitosa (D, H)
O. lactea ssp. lactea (D, H, G) [O. macrophylla var. lactea]
O. macrophylla ssp. calycina (U, D, H)
O. sessilifolia ssp. sessilifolia (H)
O. simpsonii (L, U, D, H, G) [O. sessilifolia var. simpsonii]
O. macrocarpa X O. simpsonii (unc U)

- Oxalis magellanica (L, U, D, H, G) [O. lactea]
Parahеbe lyallii (D, H, unc G)
Phyllachne clavigera s.l. (incl. P. colensoi) (L, D, H, G)
Plantago lanigera / P. novae-zealandiae (L, U, D, H, G)
P. taoulii (D, H)
P. triandra s.s. (D, unc H)
P. uniflora (L, U, D, H, G)
P. sp. (b) (M) (aff. P. novae-zealandiae; plants small, up to 2.5 cm diam.; spike usually 2-flowered)
Pratia angulata agg. (L, unc M, U, D, H, G)
P. macrodon s.s. (H)
Psychrophila novae-zealandiae (unc M, unc U, D, H, G) [Caltha novae-zealandiae]
Ranunculus altus (D) [R. hirtus in part]
R. amphitrichus (H) [R. rivularis in part]
R. foliosus (D, H) [R. foliosus, R. insertus, and R. porrectus]
R. insignis (D, H, unc G) [R. insignis, R. lobulatus, and R. montoi]
R. membranifolius (D, H, G) [R. hirtus in part]
R. reflexus (D, H) [R. hirtus in part]
R. simulans (unc H) [R. depressus var. stewartii]
R. verticillatus (unc L, U, D, H) [R. clivalis]
Schizæilema haastii s.s. (L, D, H, G)
S. nitens (U, H, unc G)
S. trifoliolatum (H)
S. sp. (a) (unc H) (described as S. haastii ssp. cyanopetalum by Domin 1908) [S. haastii var. cyanopetalum]
Stellaria decipiens s.l. (incl. S. parviflora) (D, H, G)
Urtica incisa (D, H, unc G)
Viola cunninghamii (L, M, D, H, G)
V. filicaulis (unc M, unc U, D, H, G)
V. lyallii (unc M, D, H)
Wahlenbergia albomarginata var. albomarginata s.l. (incl. W. brockiei and W. pygmaea var. laxa) (D, H)

No. of indigenous species listed for each area:

Lead Hills (L) : 199

Mackay Downs (M) : 181

Gunner Downs (U) : 198

Domett-Centre (D) : 355

Herbert-Allen (H) : 486

Glasgow (G) : 330

ADVENTIVE PLANTS (36 SPECIES)

MONOCOTYLEDONOUS HERBS

GRASSES

Agrostis capillaris (H, unc G)

Anthoxanthum odoratum (H)

Dactylis glomerata (H)

Festuca arundinacea (H)

F. nigrescens (unc M, H)

Glyceria declinata (H)

Holcus lanatus (L, unc M)

Poa annua (H)

P. pratensis (H)

Vulpia bromoides (H)

RUSHES

Juncus articulatus (L, H)

J. bulbosus (D)

J. effusus (L, unc M, H)

J. tenuis (H)

DICOTYLEDONOUS HERBS

COMPOSITES

Cirsium palustre (H)

C. vulgare (H)

Hypochoeris radicata (L, H)
Mycelis muralis (H, uncG)
Senecio jacobaea (H)
Sonchus asper (H)
Taraxacum officinale s.l. (H)

DICOTYLEDONOUS HERBS OTHER THAN COMPOSITES

Callitriche stagnalis (H)
Cerastium fontanum ssp. vulgare (L, H)
Digitalis purpurea (H)
Epilobium obscurum (L)
E. obscurum x E. nectaroides (uncL)
Galium palustre ssp. palustre (H)
Lotus pedunculatus (H)
Myosotis laxa ssp. caespitosa (H)
Plantago lanceolata (H)
Prunella vulgaris (H)
Ranunculus flammula (H)
R. repens (H)
Sagina procumbens (L, H)
Trifolium dubium (H)
T. repens (H)
Veronica serpyllifolia (H)

No. of adventive species listed for each area:

Lead Hills (L) : 7
Mackay Downs (M) : 3
Gunnat Downs (U) : (adventive spp. not listed)
Domett - Centre (D) : (adventive spp. not listed)
Herbert - Allen (H) : 33*
Glasgow (G) : 2

*Most of these occurred only at low altitudes; only two were recorded from above tree line

RECORDS NOT ACCEPTED

- Brachyglottis bidwillii X Olearia arborescens (?) (Cockayne 1928, p. 316, as Senecio bidwillii X Olearia arborescens ?)
- Hebe carnosula (Townson 1907, as Veronica carnosula)
- H. odora (Cockayne 1928, p. 316, H. boxifolia)
- H. odora X H. macrantha (Cockayne 1928, p. 316, as H. boxifolia X H. macrantha)
- H. odora X H. vernicosa (Cockayne 1928, p. 316, as H. boxifolia X H. vernicosa)
- H. vernicosa (Cockayne 1928, p. 316)
- Melicactus alpinus (Williams 1991)
- Aciphylla crenulata (Mason 1949)
- A. divisa (Williams 1991)
- Euphrasia cockayneana (Wardle and Buxton, 1985)
- Geranium microphyllum (Williams 1991)
- Notothlaspi australe (Williams 1991)
- Oreomyrrhis ramosa (Williams 1991)
- Oursia glandulosa (Mason 1949)
- O. macrophylla (Cockayne 1928, p. 316)

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CONCORDANCE BETWEEN NAMES USED BY WILLIAMS (1991)
AND NAMES USED BY THE PRESENT AUTHOR

<u>Brachyglottis buchananii</u>	<u>Brachyglottis rotundifolia</u> var. (a)
<u>Cassinia leptophylla</u> var. "vauv- illiersii"	<u>Cassinia vauvilliersii</u>
<u>Coprosma taxon</u> 1	<u>Coprosma</u> sp. (d)
<u>Gaultheria depressa</u> var. <u>novae-zelandiae</u>	<u>Gaultheria</u> sp. (a)
<u>Hebe pauciramosa</u> var. <u>masoniae</u>	<u>Hebe</u> sp. (a)
<u>Leonohebe moorea</u>	<u>H.</u> sp. (b)
<u>Melicytus alpinus</u>	<u>Melicytus</u> sp. (f)
<u>Pernettya alpina</u>	<u>Gaultheria nubicola</u>
<u>Blechnum taxon</u> 1	<u>Blechnum</u> sp. (b)
<u>Agrostis taxon</u> 1	<u>Agrostis</u> sp. (b)
<u>Chionochloa flavescens</u> ssp. <u>lupeola</u>	<u>Chionochloa</u> sp. (a)
<u>Poa</u> sp. (<u>P. novae-zelandiae</u> and/or <u>P. subvestita</u>)	<u>Poa novae-zelandiae</u>
<u>Trisetum antarcticum</u> var. <u>tanellum</u>	<u>Trisetum</u> sp. (b)
<u>T.</u> taxon 1	<u>T.</u> sp. (a)
<u>Luzula picta</u> var. <u>limosa</u>	<u>Luzula</u> sp. (a)
<u>Astelia nivicola</u> var. <u>meticeae</u>	<u>Astelia</u> sp. (a)
<u>A.</u> taxon 1	<u>A.</u> sp. (b)
<u>Brachyglottis bellidioides</u> var. <u>crassa</u>	<u>Brachyglottis</u> sp. (a)
<u>Craspedia taxon</u> 1	<u>Craspedia</u> sp. (c)
<u>Helichrysum bellidioides</u>	<u>Anaphalis</u> sp. (a)
<u>Leptinella squalida</u> ssp. <u>mediana</u>	<u>Leptinella</u> sp. (b)
<u>Aciphylla divisa</u>	<u>Aciphylla polita</u> var. (a)
<u>Anisotome imbricata</u> var. <u>prostrata</u>	<u>Anisotome</u> sp. (b)

Netteia sp. (a)

Notothlaspi sp. (b) (CHR 222855)

Oreomyrrhis sp. (d)

Plantago sp. (b) (CHR)

put on
pass. sp
proven

*voucher not from western granite areas, but from
elsewhere in NW Nelson mountains

Carex sp. (e) (CHR 387169, 395774)

Catpha sp. (a) (CHR 395749)

Uncinia fuscovaginata var. (a) (CHR 395969)

U. sp. (a) (CHR 395829)

U. sp. (b)

Luzula sp. (undetermined) (CHR 363505, 365660)

Astelia sp. (b) (CHR 170914-7, 170921, 283035)

Celmisia sp. (a) ssp. (a) (CHR 395776)

C. sp. (a) ssp. (b) (CHR 227772, 310526, 387132, 387172, 395941)

Craspedia

Gnaphalium sp. (f) (CHR 395957)

Leptinella sp. (d) (CHR 395944)

~~<A. divisa> (CHR 396025-6) = Apollina~~ X - + - -

~~<A. hookeri> (CHR 272985, 310452, 395796)~~ - + X X

<A. polita> var. (a) (similar to <A. dissecta> but pinnules narrower, usually less than 1 mm wide, divergent, not contiguous to one another) (CHR 58129, 226311, 278309, 310444, 311618, 311626, 363441, 363443, 363475, 387148, 389946, 389973, 395971)

L TD H G

Euphrasia sp. (b) (CHR 387109)

E. sp. (d) (CHR 58120-1, 310585, 363472, 387509-10, 387514)

E. sp. (e)

Forstera sp. (a) (CHR 359097, 396036)

Gentiana sp. (a) (CHR 310437)

G. sp. (b) (CHR 394530, 395840)

Geranium sp. (c)

Geum sp. (a) (CHR 310468, 310580-1, 387114, 387126)

G. sp. (b) (CHR 310457, 310578-9, 387127, 387173)

Hydrocotyle sp. (e) (CHR 389180)

Myosotis sp. (b) (CHR 387140)

check

22767 (check)

Blechnum sp. (a)

B. sp. (b) (CHR 310441)

Pterostylis sp. (c)

Agrostis sp. (b) (CHR 311614, 389972)

Chionochloa sp. (a) (CHR 222759)

Festuca sp. (a) (CHR 387174)

E. sp. (b) (CHR 310594)

Poa sp. (c) (CHR 389948)

Trisetum sp. (a) (CHR 310524, 387153)

Carex sp. (d)

num on 630

add marks
Down 2 spec

~~INDEX~~: VOUCHER SPECIMENS FOR UNNAMED TAXA
run on p. 28

387118?

Phyllocladus sp. (a)

Aristotelia fruticosa var. (a) (CHR 395793)

Coprosma pseudocuneata ssp. (a) (CHR

C. sp. (b) (CHR 310413, 358328, 363444)

C. sp. (c)

C. sp. (d) (CHR 310549, 311621-2, 363462, 394464)

C. sp. (e) (CHR 310274, 310395-6, 310399, 310414, 358331-4,
363448, 363450, 363464-5, 366141, 366145, 392236-7,
394381, 394462, 394465, 394473)

Cyathodes sp. (b) (CHR 395789)

Dracophyllum sp. (a) (CHR 369034)

Hebe cockayneana var. (a)

H. haastii var. (a) (CHR 389962)

Helichrysum intermedium var. (a) (CHR 389977)

Leucopogon fasciculatus var. (a)

Melicytus sp. (a) (CHR 363412-3)

M. sp. (f)

Olearia ilicifolia var. (a)

O. nummulariifolia var. (a) (CHR 283050)

Rubus cissoides var. (a)

