

Fig. 8 The main Paleozoic rock belts of Northwest Nelson. Inset shows distribution of lower Paleozoic rocks in the South Island. (From Cooper 1984)

DISTRIBUTION OF CENTRAL SEDIMENTARY AND VOLCANIC ROCKS
 Areas surveyed (apart from major areas of indurated limestone - Summit Limestone):

- H - Haupiri area (Haupiri Ra.)
- D - Douglas area (Douglas Ra.)
- A - Anatoki area (Anatoki Ra.)
- E - Devil area (Devil Ra.)

(continued on following page)

- S - Snowden area (Snowden Ra.)
- L - Lockett area (Lockett Ra.)
- P - Peel area (S Peel Ra.)
- O - Ironstone area (S Arthur Ra.)
- R - Arthur area (S Arthur Ra.)
- T - Hough area (S Arthur Ra.)
- V - Skeet area (S Arthur Ra.)
- U - "Turks Cap" area ("Turks Cap" Ra.)
- C - Cobb area (middle Cobb V.) (apart from isolated areas of indurated limestone; for the flora of these see "Vascular plants in areas of indurated Paleozoic calcareous rocks in the mountains E of the Anatoki Thrust and W of the Devil River Thrust" Flora of NW Nelson mountains 6.)

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 Grindley 1971, 1980, Cooper 1984, Coleman 1981)

Area-Location	Geology	Grid ref.	
	Paleozoic Sedimentary and Volcanic Rocks		
Hauptiti area (H), Hauptiti Ra., including: Slate River Pk	sandstone, phyllite, argillite, conglomerate*	478033	
Douglas area (D), Douglas Ra., including: Anatoki Pk	sandstone, phyllite	471027	
		473025	
Anatoki area (A), Anatoki Ra.	} volcanics, sandstone, phyllite, argillite, conglomerate*	481028	
Devil area (E), Devil Ra.		480025	
Snowden area (S), Snowden Ra., including: Kakapo Pk	} sandstone, slate, argillite, volcanics, conglomerate, chert*	473021	
		Mt Snowden	477019
Lockett (L), Lockett Ra., including: Mt Benson			474015
		Mt Lockett	477015
		Iron Hill	477012
Peel (P), S Peel Ra., including: Mt Peel		476007	
	Tableland	479003	
Ironstone (I), S Arthur Ra.	phyllite, schist	478995	
Arthur (A), S Arthur Ra., including: unnamed pk 1601 m	volcanics, conglomerate*	477995	
		Mt Star	475985

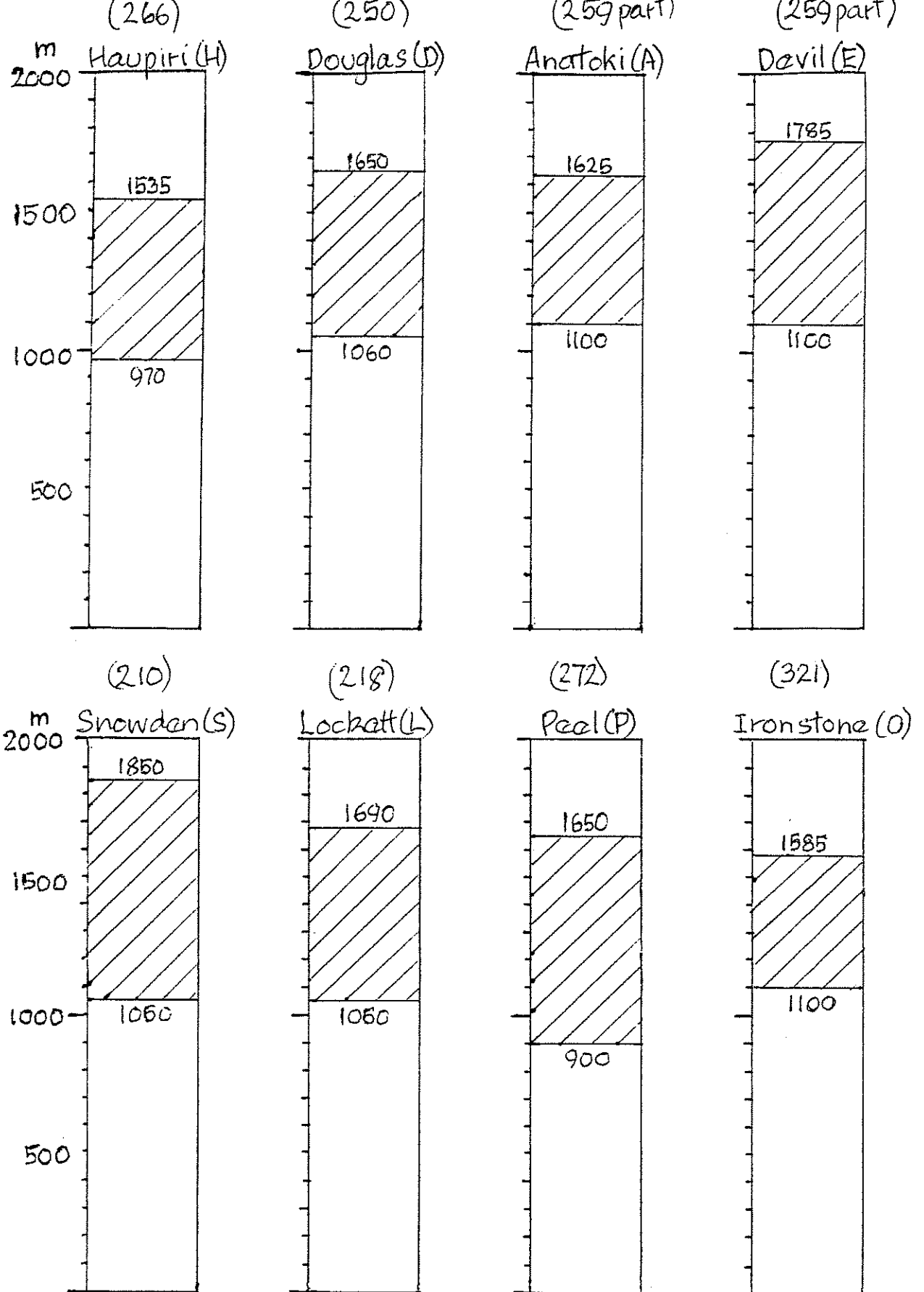
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* limestone lenses present

Hough area (T), S Arthur Ra.†	siliceous sandstone*	473981
Skeet area (V), S Arthur Ra.†	calcareous siltstone and fine sandstone*	473981
"Turks Cap" area (U), "Turks Cap" Ra.	schistose conglomerate	468967
Cobb area (C), middle Cobb V.	sandstone, siltstone, chert, volcanics, alluvium*	478008

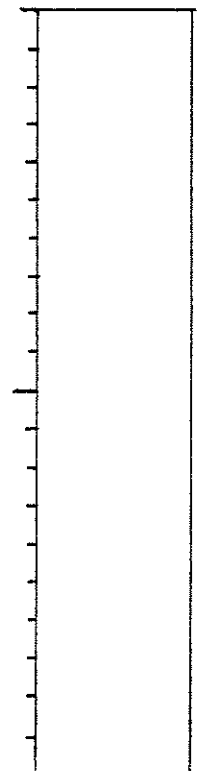
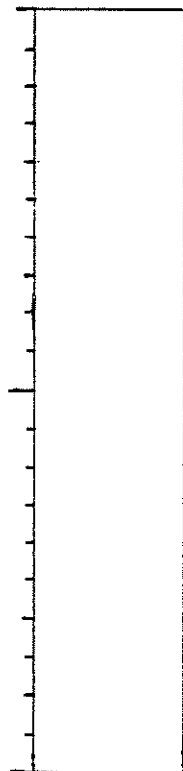
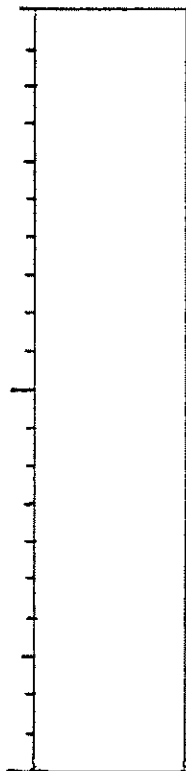
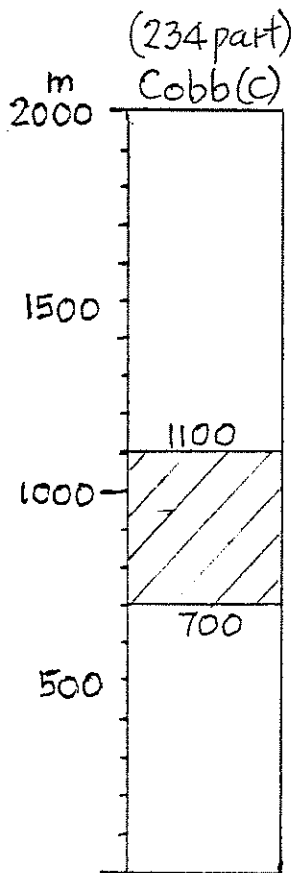
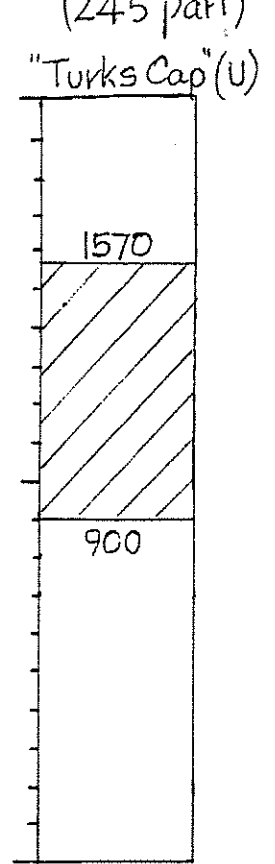
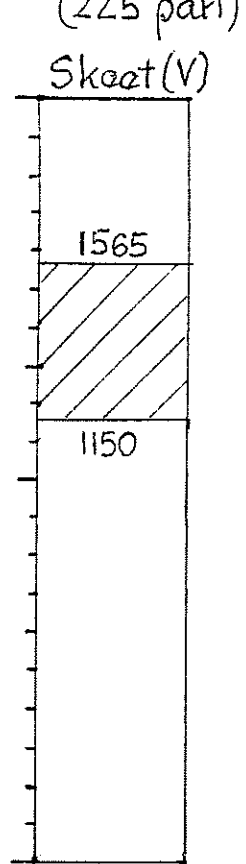
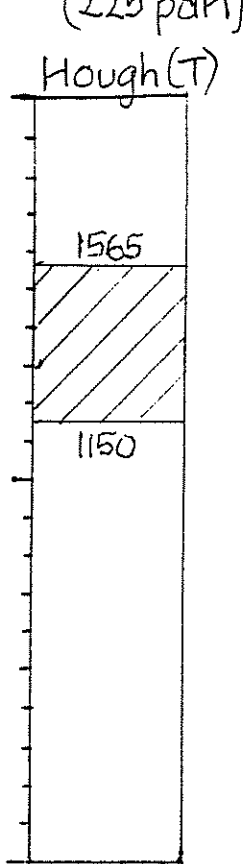
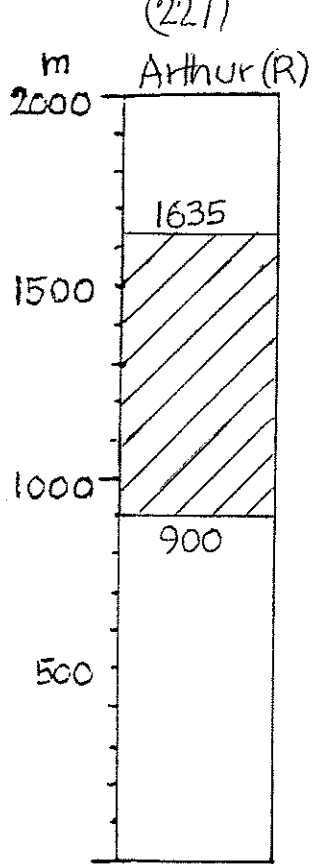
*limestone lenses present (the flora of those in the Cobb V. area is listed separately - see note under "Areas surveyed")

† these areas interfinger in S Arthur Ra between Hough Saddle and Mt Patriarch; they exclude Mt Sodom, Mt Baldy, and Mt Gomorrah areas



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



Fieldwork in the central sedimentary and volcanic mountains totalled 81 days,* mostly between 1977 and 1991. The separate areas were visited at the dates indicated below.

- Hauptiri (H) 1 day in January 1977
1 day in February 1985
- Douglas (D) 1 day in January 1977
3 days in April 1983
4 days in March 1984
3 days in February 1985
- Anatoki (A) 1 day in January 1977
2 days in February 1984
- Devil (E) 3 days in February 1984
- Snowden (S) 2 days in January 1958
1 day in January 1970
1 day in January 1980
3 days in March 1981
1 day in April 1983
1 day in March 1984
3 days in February 1985
1 day in December 1985
1 day in November 1990
- Lockett (L) 1 day in January 1958
4 days in March 1964
1 day in March 1974
5 days in January 1982
1 day in March 1982
1 day in February 1985
- Peel (P) 1 day in April 1969
2 days in April 1986
2 days in December 1986
2 days in May 1987
1 day in December 1988

* excluding many visits to Cobb area

Arthur (R)	1 day in March 1982
	1 day in March 1983
	5 days in February 1990
	3 days in February 1991
Ironstone (O)	2 days in February 1991
Hough (T)	1 day in January 1974
	3 days in March 1982
	5 days in February 1990
"Turks Cap" (U)	3 days in January 1983
	3 days in February 1989
Cobb (C)	many visits from 1964 onwards

The following participated in the field work: Edward Abraham, Ted Abraham, Ian Atkinson, John Bartlett, Elizabeth Brown, Bev Bruce, Len Bruce, Mary Bruce, Warren Burke, Shannel Courtney, Helen Druce, Tony Druce, John Findlay, Elsie Gibbons, Des Green, David Haydock, Ken Haydock, Noeline Haydock, Arnold Heine, Jan Heine, Roland Heine, Fay Jackson, Kevin Luff, Bill Malcolm, Barbara Mitealfe, Margaret Mitealfe, Judy Patterson, Graham Patterson, Geoff Rogers, Tony Silbery, Barbara Simpson, Neill Simpson, Barry Sneddon, Barry Spring-Rice, Peter Williams, Sam Williams, Zack Williams, and members of Wellington Botanical Society.

CONCORDANCE BETWEEN NAMES USED BY WILLIAMS (1993)
AND NAMES USED BY THE PRESENT AUTHOR

Williams	Druce
<u>Cassinia leptophylla</u>	<u>Cassinia vauvilliersii</u>
<u>Coprosma parviflora</u> var. <u>dumosa</u>	<u>Coprosma</u> sp. (a)
<u>C. taxon 2</u>	<u>C. sp. (d)</u>
<u>C. taxon 3</u>	<u>C. sp. (h)</u>
<u>Gaultheria depressa</u> ssp. " <u>novae- zelandiae</u> "	<u>Gaultheria</u> sp. (a)
<u>Hebe taxon 1</u>	<u>Hebe</u> sp. (j)
<u>H. parviflora</u> var. <u>masoniae</u>	<u>H. sp. (e)</u>
<u>Melicytus taxon 1</u>	<u>Melicytus</u> sp. (a)
<u>Pseudopanax colensoi</u> var. <u>tarnatus</u>	<u>Pseudopanax</u> sp. (a)
<u>Blechnum taxon 1</u>	<u>Blechnum</u> sp. (b)
<u>Agrostis taxon 1</u>	<u>Agrostis</u> sp. (b)
<u>Chionochloa flavescens</u> ssp. <u>lupeola</u>	<u>Chionochloa</u> sp. (a)
<u>Festuca matthewsii</u>	<u>Festuca</u> sp. (b)
<u>F. taxon 1</u>	<u>F. sp. (b)</u>
<u>Lachnagrostis filiformis</u> var. <u>semiglabra</u>	<u>Lachnagrostis lyallii</u>
<u>Trisetum antarcticum</u> var. <u>tenellum</u>	<u>Trisetum</u> sp. (b)
<u>T. taxon 1</u>	<u>T. sp. (a)</u>
<u>Luzula cunila</u> var. <u>petricana</u>	<u>Luzula</u> sp. (b)
<u>L. picta</u> var. <u>pallida</u>	<u>L. subclavata</u>
<u>L. picta</u> var. <u>limosa</u>	<u>L. sp. (a)</u>
<u>Astelia niveola</u> var. <u>mericeae</u>	<u>Astelia</u> sp. (a)

<u>Brachyglottis bellidioides</u> var. <u>crassa</u>	<u>Brachyglottis</u> sp. (a)
<u>Celmisia allanii</u>	<u>Celmisia</u> <u>sindaitii</u>
<u>Craspedia lanata</u> var. <u>elongata</u>	<u>Craspedia</u> sp. (a)
<u>C.</u> taxon 1	<u>C.</u> sp. (b)
<u>C.</u> taxon 2	<u>C.</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</u> taxon 1	<u>Aciphylla glaucescens</u> s.s. and <u>A.</u> sp. (c)
<u>Epilobium brunnescens</u> ssp. <u>minutiflorum</u>	<u>Epilobium</u> sp. (a)
" <u>E. gracilipes</u> "	<u>E. gracilipes</u>
<u>Euphrasia laingii</u>	<u>Euphrasia</u> sp. (a)
<u>Gentiana</u> taxon 2	<u>G.</u> sp. (g)
<u>Geum parviflorum</u>	<u>Geum</u> sp. (a)
" <u>Hydrocotyle montana</u> "	<u>Hydrocotyle</u> sp. (a) var. (a)
<u>Myosotis pygmaea</u> var. <u>drucei</u>	<u>M.</u> sp. (c)
<u>Notothlaspi australe</u>	<u>Notothlaspi</u> sp. (b)
<u>Oreomyrrhis ramosa</u>	<u>Oreomyrrhis</u> sp. (d)

INDIGENOUS PLANTS (650 SPECIES)

GYMNOSPERM TREES AND SHRUBS

Holocarpos bidwillii (unc D, L, P, unc R, C) [Dacrydium bidwillii]

H. biformis (H, D, P, C) [Dacrydium biforme]

Lepidothamnus intermedius (H) [Dacrydium intermedium]

L. laxifolius (H, D, A, E, S, L, P, R, T, V, C) [Dacrydium laxifolium]

L. intermedius x L. laxifolius (H, D, unc L, unc P, C)

Libocedrus bidwillii (H, D, P, unc R, unc C)

Phyllocladus alpinus s.s. / P. sp. @ (H, D, A, E, S, L, P, unc R, T, C)

P. alpinus s.s. (H, D, A, E, S, L, P, unc R, T)

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

Podocarpus hallii (unc H, P, unc R, C)

P. nivalis (H, D, A, E, S, L, P, R, O, T, V, C)

P. hallii x P. nivalis (unc H, A, E, unc L, unc P, unc R, unc T, unc C)

MONOCOTYLEDONOUS TREES AND SHRUBS

Cordyline australis (unc C)

C. indivisa (H, unc P)

DICOTYLEDONOUS TREES AND SHRUBS

Archeria traversii s.l. (incl. A. traversii var. australis) (H, D, unc A,
unc E, unc L, unc R, unc T, C)

Aristotelia fruticosa var. (a) (H, D, A, E, S, L, P, R, O, T, V, C)

A. serrata (R, C)

Brachyglottis adamsii (H, D, A, E, S, L, P, R, O) [Senecio adamsii]

B. bidwillii var. viridis (H, D, A, E, S, L, P, R, O, T, V, unc C) [Senecio
bidwillii var. viridis]

B. hectorii (unc C) [Senecio hectorii]

- B. rotundifolia var. (a) (incl. B. buchananii and B. cockaynei) (unc H, unc D, unc A, unc E, unc S, uncl, unc P, unc R, unct) [Saneciobennettii]
- B. bidwillii X B. rotundifolia (unc H, unc A, unc E, unct)
- Carpodetus serratus (P, R, C)
- Cassinia var. villiersii (H, D, A, E, S, L, P, R, O, V, C)
- Coprosma acerata ssp. (b) (c) (wide-spreading dwarf shrubs)
- C. atropurpurea (D, A, E, S, L, P, R, V, uncc) [C. patriei var. atropurpurea]
- C. cheesemani s.s. (H, D, A, E, S, L, P, R, O, T, V, U, C)
- C. ciliata ssp. ciliata) (H, unc D, A, E, S, L, P, R, O, T, V, C)
- C. colensoi s.s. (H, S, L, P, R, C) [C. colensoi and C. banksii]
- C. crenulata (H, D, unc R, unct)
- C. depressa (H, D, A, E, S, L, P, R, O, T, V, U, C)
- C. foetidissima (H, uncd, unc A, unc E, S, L, P, unc R, unct, C)
- C. linariifolia (c)
- C. microcarpa (P, C)
- C. obconica ssp. obconica (unc C)
- C. perpusilla ssp. perpusilla (H, D, A, E, S, L, P, R, O, V) [C. pumila in part]
- C. patriei (P) (Oliver 1935)
- C. propinqua ssp. propinqua (H, A, E, unc S, L, R, unct, unc V, C)
- C. pseudocuneata ssp. (a) (H, D, A, E, S, L, P, R, T, V, C) (lvs narrower than in ssp. pseudocuneata)
- C. thamnoides s.l. (incl. C. polymorpha) (H, unc A, unc E, P, R, C)
- C. rigida (unc L, C)
- C. rugosa ssp. rugosa (unc H, S, L, R, O, U, C)
- C. serrulata (unc H, unc D, uncl, unc P, unc R, O, unct)
- C. sp. (a) (L, P, R, C) (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) (H, D, A, E, S, L, P, R, T, C) [C. parviflora var. dumosa sensu Allan 1961]

C. sp. (d) (H, D, A, E, S, L, P, R, T, V, U, C) (aff. C. pseudocuneata; low-growing shrubs with small thick arcuate lvs) [C. pseudocuneata in part]

C. sp. (e) (H, D, A, E, unc L, unc R, O, C) (aff. C. colensoi; low-growing shrubs with trailing branches) [C. colensoi in part]

C. sp. (h) (L) (prostrate shrubs; lvs plano-convex, linear; drupes orange)

C. cheesemanii X C. ciliata (unc D, unc S, unc P, unc T)

C. propinqua X C. robusta (unc H, unc C)

Ceratia angustissima (unc R, O)

C. plumosa (unc A, unc E, unc L, unc R, O, unc T, C)

C. sarmentosa (H, P, unc R, C)

C. plumosa X C. sarmentosa (C)

Corokia cotoneaster var. cotoneaster (C)

Cyathodes dealbata (H, D, A, E, S, L, P, R, O, T) [C. pumila]

C. empetrifolia (H, D, unc A, unc E, L, P, unc R, C)

C. sp. (a) / C. sp. (b) (H, unc D, unc S, C)

C. sp. (a) (unc S, C) (C. juniperina agg.; lvs usually not less than 1 cm X 1 mm, up to 1.5 cm X 2.5 mm)

C. sp. (b) (distribution uncertain) (C. juniperina agg.; lvs small, usually < 1 cm X < 1 mm)

Discaria tomatou (C)

Diacophyllum longifolium var. (a) (incl. D. filifolium and D.

oliveri) (H, D, A, E, S, L, P, R, T, C)

D. palustre (unc H)

D. prunum (A)

D. pubescens var. pubescens (H, D, A, E, S, L, unc P, unc R, C)

D. traversii s.l. (incl. D. pyramidale) (H, D, A, E, S, L, P, R, O, unc T, V, C)

D. uniflorum (H, D, A, E, S, L, P, R, O, T, V, U)

D. sp. (a) (unc H, unc D, L) (aff. D. kirkii; low-growing shrubs; branches often rooting; lf blade up to 2 mm wide near the sheath, slightly glaucous, very minutely scabrid; lf margins minutely serrulate; inf of few-flowered racemes) [D. kirkii in part]

D. longifolium X D. pubescens (unc C)

Elaeocarpus hookerianus (H, C)

- Epactis alpina (H, D, A, E, L, C)
Exocarpus bidwillii (H, D, A, E, S, L, P, C)
Fuchsia excorticata (unc H, unc P, R, C)
Gaulltheria antipoda (unc H, unc D, unc P, C)
G. crassa (H, D, A, E, S, L, P, R, O, T, C)
G. depressa ss. (H, D, A, E, S, unc L, unc R, T, V, U)
G. macrostigma (C) [Pernetty macrostigma]
G. nubicola (E, P) [P. nana in part]
G. rupestris s.l. (incl. G. subcorymbosa) (H, unc L, unc R, C)
G. sp. (a) (H, D, A, E, S, L, P, R, T, V, U, C) (described as G. depressa var. novae-zelandiae by Franklin 1962) [G. depressa in part]
G. antipoda x G. crassa (unc C)
G. antipoda x G. rupestris (unc C)
G. antipoda x G. sp. (a) (unc C)
G. crassa x G. sp. (a) (D, unc T)
G. macrostigma x G. rupestris (unc C)
G. macrostigma x G. sp. (a) (C)
Griselinia littoralis (H, unc D, unc A, unc E, S, L, P, R, unc V, C)
Hebe albicans var. albicans (H, unc D, S, L, P, unc R, O, C)
H. canterburyensis (H, D, A, E, S, L, P, R, T, V, U, C)
H. ciliolata (H, D, A, E, S, L, P, R, O, T, V)
H. cockayneana var. (a) (H, D, A, E, S, L, P, R, O, T)
H. epactidea (unc E, S, unc L, unc P)
H. gracillima (H, unc A, unc E, C)
H. haastii var. (a) (unc H, D, A, E, S, L, P, R, O, T, V, U) (aff. var. humilis; see Moore 1961, p. 940)
H. macrantha var. brachyphylla (H, D, A, E, S, L, P, R, O, T)
H. ochracea (unc A, unc S, P)
H. odora ss. (S, L, P, R, C)
H. salicifolia var. salicifolia (H, P, unc R, C)
H. tetragona var. (a) (incl. H. coarctata) (H, D, A, E, S, L, P, R, O, T, V)
H. topiaria (H, D, A, E, S, L, P, R, O, T, V, C)
H. venustula s.l. (incl. H. brachysiphon) (C)
H. vernicosa (P, R, V, C)
H. sp. (a) (incl. Leonhebe masoniae) (H, D, A, E, S, L, P, C)

H. sp. (b) (incl. Leonochebe mooreae) (H, D)

H. sp. (j) (unc S) (multi-branched shrubs; lvs to 4x1 cm, elliptic oblong, bright green, upper surface very glossy, margins very minutely serrate; margins of calyx lobes densely ciliate; corolla tube very short, = or < calyx; corolla lobes obtuse; capsule pubescent)

H. sp. (f) (R, unc T, unc V, C)

H. albicans X H. gracillima (unc C)

H. albicans X H. sp. (j) (unc S)

H. odora X H. tetragona (unc C)

H. salicifolia X H. sp. (undetermined) (unc H)

H. tetragona X H. sp. (a) (unc D)

Helictysum intermedium var. (a) (H, D, A, E, S, L, P, R, O, T, V, U) [H. selago var. intermedium in part]

H. parvifolium (unc C) [H. microphyllum]

Hoheria lyallii var. (a) (incl. H. glabrata) (unc D, unc S, unc L, P, R, O, unc T, unc V, C)

Kunzea ericoides agg. (C) [Leptospermum ericoides]

Leptospermum scoparium (H, D, unc L, C)

Leucopogon fasciculatus var. (a) (H, R, C) (juvenile lvs not much broader than adult lvs) [Cyathodes fasciculata]

L. fraseri s.s. (H, D, A, E, S, L, P, R, O, T, V, C) [Cyathodes fraseri]

L. suaveolens (H, unc D, A, E, S, L, P, R, T) [Cyathodes colensoi]

Meliccytus sp. (a) (unc D) (prostrate hermaphrodite shrubs; branches up to 40 cm long, often rooting; lvs linear-oblong; fr white)

M. sp. (f) (H, D, A, E, S, L, P, R, O, T, V, C) (aff. M. alpinus; shrubs taller than in M. alpinus, up to 2.4 m; 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) [Hymenanthera alpina in part]

Metrosideros umbellata (H, D, R, C)

Myrsine divaricata s.s. (H, D, A, E, S, L, P, R, O, T, C)

M. nummularia (H, D, A, E, S, L, P, R, O, T, V, U)

Neomyrtus pedunculata (R, C)

Nectofagus fusca (H, P, R, C)

N. menziesii (H, D, A, E, S, L, P, R, T, V, C)

N. solandri var. cliffortioides (H, D, A, E, S, L, P, unc R, C)

N. fusca x N. solandri (unc R, unc C)

Olearia arborescens (H, unc D, R, O, C)

O. avicenniifolia (H, unc A, unc E, R, O, C)

O. capillaris (unc P, unc R)

O. colensoi var. colensoi (unc H, D, unc A, unc E, unc S, unc L, unc P, R, O, unc C)

O. cymbifolia (unc E) [O. nummulariifolia var. cymbifolia]

O. lacunosa var. lacunosa (H, D, A, E, L, P, R, T, V, C)

O. nummulariifolia var. (a) (unc H, unc D, unc A, unc E, S, L, P, R, O, unc T, unc C) (lvs oval, rather than suborbicular as in var. nummulariifolia)

O. virgata var. implicita s.l. (incl. O. v. var. divaricata and O. v. var. laxiflora) (unc P, C)

O. avicenniifolia x O. nummulariifolia (unc L)

O. arborescens x O. capillaris (unc P, unc R)

O. capillaris x O. lacunosa (unc P)

Pentachondra pumila (H, D, A, E, S, L, P, R, O, T, V, C)

Peraxilla tetrapetala (unc H, unc L, unc C) [Elytranthe tetrapetala]

Pimelea oreophila (H, D, A, E, S, L, P, R, T, C) [P. pseudolyallii in part]

P. prostrata (unc C)

P. sp. (b) (c) (aff. P. sericeovillosa, but plants spreading, not cushion-forming; lvs villous on adaxial surface)

Pitiosporum anomalum (H, A, E, S, L, P, R, unc V, C)

P. dallii (unc H, unc E, unc C)

P. divaricatum (unc C) [P. divaricatum and P. lineare]

P. patulum (unc H, unc L, unc C)

P. rigidum var. (a) (incl. P. crassicaule) (H, D, A, E, S, L, P, R, C)

P. tenuifolium (R, C)

Pseudopanax anomalus (H, D, A, E, P, R, C) [Neopanax anomalum]

P. colensoi ss. (P, C) [Neopanax colensoi]

P. crassifolius (unc H, C)

P. linearis (H, unc D, L, unc P, R)

P. simplex sl. (incl. P. simplex var. sinclairii) (H, unc D, S, unc L, P, unc R, unc T, C) [Neopanax simplex]

P. sp. a) (H, D, A, E, S, unc L, P, unc R, O, unc T, unc U, C) (described as P. colensoi var. ternatus by Wardle 1968) [Neopanax colensoi in part]

Pseudowintera colorata (A, E, P, R, unc T, C)

P. traversii (H, unc D)

Traversii baccharoides (unc H, unc A, unc E, S, unc L, P, unc R, O, unc V, C)

Urtica ferox (unc R, unc C)

Wainmannia racemosa var. racemosa (unc H, R)

DICOTYLEDONOUS LIANES AND RELATED TRAILING PLANTS

Clematis forsteri (L, unc R, C) [C. australis, C. forsteri, C. hookeriana, and C. patrici]

C. quadribracteolata (unc C)

Muehlenbeckia australis (unc R, C)

M. axillaris (H, D, A, E, S, L, P, R, O, T, V, C)

M. complexa (C)

M. australis x M. axillaris (unc L, unc P, unc C)

M. australis x M. complexa (unc C)

M. axillaris x M. complexa (unc C)

Rubus cissoides var. a) (H, A, E, unc S, P, R, C) ("form c" of Allan 1961; lflts broader than in var. cissoides)

R. parvus (unc H, D, unc L, unc C)

R. schmidelioides var. schmidelioides (H, R, C)

R. cissoides x R. schmidelioides (unc C)

LYCOPODS AND QUILLWORTS

Lycopodium australianum (H, D, A, E, S, L, P, R, T, V, C)

L. fastigiatum (H, D, A, E, S, L, P, R, O, T, V, U, C)

L. laterale s.l. (incl. L. tanulosum) (H)

L. scariosum (H, D, unc A, unc E, L, P, R, O, T, V, C)

L. varium (unc H, unc D, unc A, unc E, unc L, unc R, P, C)

L. volubile (C)

Isoetes alpinus (unc D, unc A, unc E)

FERNS

Asplenium flabellifolium agg. (unc C)

A. flaccidum (H, unc A, unc E, P, R, O, unc T, C)

A. hookerianum (unc H, unc S, R, unc C)

A. lyallii [unc S]

A. richardii (unc D, unc A, unc E, unc S, unc L, P, R, O, unc V, C)

A. terrestre ssp. terrestre (unc L, unc R, unc C)

A. sp. (A. bulbiferum or A. gracillimum) (unc R)

Blechnum discolor (H)

B. fluviatile agg. (H, D, S, L, P, R, T, C)

B. panna-manna (H, D, A, E, S, L, P, R, T, V, C)

B. procerum (H, D, A, E, S, L, P, R, T, V, C)

B. vulcanicum (C)

B. sp. (a) (H, P, C) (lowland sp.; lower pinnae reduced in length)
[B. sp. 1]

B. sp. (b) (H, D, A, E, L, P, R, O, T, C) (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 C)

Cyathea colensoi (H, D, A, E, unc S, L, P, R, unc T, C)

Cystopteris tasmanica (H, D, A, E, S, L, P, R, O, T, V, U, C)

Glaccharia dicarpa (H, unc D)

Grammitis billardierei (H, D, A, E, S, L, P, R, T, C)

G. ciliata (unc C)

G. givenii (unc D, unc A, unc E, unc L, unc P, unc R)

G. magellanica ssp. nothofaeti (H, unc D, L, P, R, unc T, unc C)

G. patagonica (H, D, A, E, S, unc L, P, R, O, unc T, unc C)

G. poeppigiana (H, D, A, E, S, L, P, R, unc T)

Histiopteris incisa (unc D, unc A, unc E, unc L, P, unc T, C)

Hymenophyllum armstrongii (unc D)

H. flabellatum (unc H, unc C)

H. malingii (R)

H. multifidum (H, D, A, E, L, P, R, T, V, C)

H. peltatum (unc D, unc L, unc R)

H. pulcherrimum (unc R)

H. ratum (unc H, P, C)

H. rufescens (unc H, R)

H. villosum (H, D, A, E, L, P, R, T, C)

Hypolepis millefolium (H, D, A, E, S, L, P, R, O, T, V, C)

H. rufobarbata (unc C)

Ophioglossum coriaceum agg. (H, unc L, unc R, unc O, U, C)

Paesia scaberula (P, C)

Phymatosorus pustulatus (unc H, unc R, unc C) [P. divaricifolius]

Polystichum cystostegia (D, A, E, unc S, unc L, unc R)

P. vestitum (H, unc D, A, E, S, L, P, R, O, T, V, U, C)

Pteridium esculentum (unc P, C)

Pyttosia elaeagnifolia (unc H)

Rumohra adiantiformis (unc C)

Schizaea australis (H, D)

Sticherus cunninghamii (unc H, unc D)

MONOCOTYLEDONOUS HERBS

ORCHIDS

Adenochilus gracilis (S, L)

Aprostylis bifolia (H, D, A, E, L, P, R, T)

Caladenia carnea agg. (C)

C. lyallii (unc A, unc E, S, L, P, unc R, unc T, C)

Chiloglottis cornuta (unc H, unc D, S, L, P, R, T, C)

Corybas macranthus (D, unc A, unc E, unc S, L, P, C)

C. rivularis s.s. (C) [C. orbiculatus]

C. trilobus s.s. (H, D, A, E, S, L, P, R, T, C)

C. sp. (undetermined) (unc R)

Gastrodia cunninghamii (unc H, C)

Genoplesium nudum (unc C)

Microtis oligantha (H, unc L, unc R)

M. unifolia (C)

Prasophyllum colensoi (H, D, A, E, S, L, P, R, T, C)

Pterostylis australis (P, C)

P. humilis (unc P)

P. itsoniana (unc R, C)

P. micromega (unc C) (Moore 1970)

P. olivati (unc R)

P. varosa (unc H, unc D, S)

P. sp. (undetermined) (unc C)

Thelymitra cyanea (H, unc D, P, C) [T. venosa]

T. decora (C)

T. formosa (unc L, C)

T. hatchii (H, C)

T. longifolia s.s. (unc L, C)

GRASSES

Agrostis dyeri s.s. (H, D, A, E, S, L, P, R, O, T, V, U)

A. muelleriana (H, D, A, E, S, L, P, R) [A. subulata in part]

A. muscosa (unc A)

A. personata (H, D, A, E, S, L, P, R, T, V, U) [A. parviflora]

A. sp. (b) (H, D, A, E, S, L, P, R, unc O, T) (aff. A. dyeri but panicle not contracted) [A. dyeri in part]

Chionochloa australis (H, D, A, E, S, L, P, R, O, T, V, U, C) [Danthonia australis]

C. cheesemanii (H, A, unc R) [Danthonia raoulii var. cheesemanii]

C. conspicua ssp. conspicua (H, D, A, E, S, L, P, R, O, T, V, C)
[Danthonia cunninghamii]

C. pallens ssp. pallens (H, D, A, E, S, L, P, R, O, T, V, U, C) [Danthonia raoulii in part]

C. tubra ssp. occulta (H, D, A, E, S, L, P, R, O, C) [Danthonia raoulii, in part]

C. sp. @ (H, D, A, E, S, L, P, R, O, T, V) (C. flavescens auct. South Island, non C. flavescens Zotov; If 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 R)

C. australis X C. tubra (unc R)

C. australis X C. sp. (undetermined) (unc D)

C. cheesemanii X C. conspicua (unc H)

C. conspicua X C. pallens (unc D)

C. conspicua X C. tubra (unc H, unc A, unc E, unc S)

C. pallens X C. tubra (D, A, E)

C. tubra X C. sp. @ (unc P)

Cortaderia richardii (C)

Deschampsia caespitosa (unc C)

D. novae-zelandiae (incl. D. chapmanii?) (unc H, D, A, E, S, L, unc R?)

D. tenella (H, D, A, E, S, L, P, R, T, V, C)

Daycoxia Aucklandica (H, D, A, E, S, L, P, R, T, V, C) [D. setifolia]

D. avenoides s.l. (incl. D. a. var. brachyantha) (L, P, unc R, C)

D. youngii s.l. (incl. D. youngii var. petrici) (unc L)

Dichelachne crinita (unc C)

Elymus aysii (R, T, V) [Agropyron aristatum]

E. narduroides (unc H, S, unc C) [Asperella gracilis]

E. tenuis (unc C)

E. sp. @ (unc H, A, E, S, L, P, R, O, T, V, unc C) (aff. E. tectisetus;
plants usually glaucous; If blade usually flat, up to 5mm

wide; awns 4-6 cm long) var. (a) (culms erect or ascending)
[Agropyron scabrum in part]

Festuca sp. (a) (H, S, L, unc R, O, unc U, C) (slender, tufted, green or
glaucous green plants with setaceous lvs) [F. rubra in part]

F. sp. (b) (H, D, A, E, S, L, P, R, O, T, V, U) (aff. F. matthewsii; plants tufted
but not tussock-forming)

Hierochloa novae-zelandiae (H, D, A, E, S, L, P, O, T, V) [H. fraseri in part]

H. recurvata (unc D, S, unc L, unc C) [H. fraseri var. recurvata]

Koeleria cheesemani (H, D, A, E, S, L, P, R, T, V) [Trisetum
cheesemani]

K. sp. (a) (D, unc E, S, L, unc P) (K. novozelandica agg.; plants rhizom-
atous; lvs narrow, channelled) [K. kurtzii in part]

Lachnagrostis lyallii sl. (incl. L. filiformis var. semiglabra)

(H, D, A, E, S, L, P, R, O, T, V, U, C) [Deyeuxia forsteri var. semiglabra]

L. sp. (c) (unc L) (glumes up to 4 mm long; awns short or
absent) [Deyeuxia forsteri in part]

Microlaena avenacea (H, R, unc T, C)

M. colensoi s.s. (H, D, A, E, S, L, P, R, O, T, V, U) [Ehrharta colensoi]

Poa breviglumis (H, D, A, E, S, L, P, R, O, T) [P. imbecilla var. breviglumis]

P. calsa (D, A, E, S, L, P, R, O, unc V) [P. kirkii in part]

P. cita ssp. cita (H, unc A, unc E, R, O, T, V, C) [P. caespitosa]

P. colensoi (H, D, A, E, S, L, P, R, O, T, V, U, C)

P. dipsacea (D, unc S, unc L, P) [P. cheesemani and P. dipsacea]

P. imbecilla (S, L, P, unc R, unc O, C)

P. kirkii (D, A, E, S, L, P, R, T, V, unc C)

P. maia (D, S, L, P, R, T, V)

P. novae-zelandiae s.s. (H, D, A, E, S, L, P, R, T)

P. subvestita (H, D, A, E, S, L, P, R, O, T, V, U) [P. novae-zelandiae var.
subvestita]

P. sp. (c) (D, A, E, S, L, P, unc R, unc O, unc V) (aff. P. novae-zelandiae;
scree plants with narrow lvs) [P. novae-zelandiae in part]

Rytidosperma australe (unc D) [Triodia australis]

R. buchananii (unc H, unc A, unc E, unc S, unc L, P, C) [Danthonia buchananii]

R. clavatum (unc C) [Danthonia pilosa in part]

R. gracile (H, D, A, E, S, L, P, R, O, T, C) [Danthonia semiannularis in part]

R. nigricans (D, unc A, unc E, S, L) [Danthonia semiannularis var. nigricans]

R. pulchrum (unc H)

R. setifolium (H, D, A, E, S, L, P, R, O, T, Y, U, C) [Danthonia semiannularis var. setifolia]

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

Simplicia buchananii (unc L, unc P, unc R, unc C)

Trisetum youngii (H, D, A, E, S, L, P, R, O, T, V, U)

T. sp. (a) (H, D, S, L, R, O, V, C) (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) (D, unc A, unc E, L, P, R, T, V, U) (described as T. antarcticum ssp. tenellum by Petrie 1912) [T. antarcticum var. tenellum]

T. sp. (c) (unc T) (aff. T. antarcticum; plants robust; lf sheath glabrous at least in upper part; lf blade flat, up to 7 mm wide, margins scabrid, usually with some hairs near ligule) [T. antarcticum in part]

SEDGES

Carex acicularis s.l. (incl. C. allanii) (H, D, A, E, S, L, P, R, T)

C. braviculmis (unc L, C)

C. cockayneana (S, unc R, unc V, unc C)

C. colensoi (unc C)

C. comans (R, C)

C. dallii (H)

C. dipsacea var. (a) (incl. C. tahoata) (unc C)

C. dissita s.s. (C)

C. echinata (H, D, A, E, S, L, P, R, C)

- C. enysii (unc R, unc T)
C. flaviformis (H, L, unc P, unc R, C)
C. forsteri (unc H)
C. gaudichaudiana (H, D, A, E, S, L, P, R, C)
C. goyanae (unc S)
C. kirikii s.l. (incl. C. kirikii var. elator (unc H))
C. libera (H, D, A, E, S, unc L, P, unc R, unc V)
C. pyranaica var. cephalotes (D, E, unc S, L, P, unc R, unc T)
C. secta s.s. (C)
C. sinclairii (H, D, A, E, S, L, P, R, O, C)
C. testacea s.s. (unc C)
C. trachycarpa (unc T, unc V, U)
C. wakatipu s.s. (D, A, E, unc S, L, unc R, O, T, V, C)
C. sp. (a) (H, unc L, R, V, C) (aff. C. testacea, but lvs broader, usually reddish, and utricles margins not scabrid) [C. testacea in part]
C. sp. (d) (D, A, E, S, L, P, R, O, T, V, C) (aff. C. cotiacea but lvs slender, bright green, not becoming stiff and yellow-green in exposed sites; utricles similar to those of C. cotiacea, faintly to obscurely nerved; beak minute or absent) [C. geminata in part]
C. sp. (e) (unc C) (aff. C. dissita but plants much smaller)
Carpha alpina s.s. (H, D, A, E, S, L, P, R, O, T, V, U, C)
Fleocharis acuta (H, unc D, unc A, unc E, L, P, C)
Gahnia procera (H, D, A, S, L, P, C)
Isolepis aucklandica (H, D, A, E, S, L, P, R, T, U) [Scitpus aucklandicus]
I. caligenis (unc D, unc E, unc L, C, unc V) [Scitpus caligenis]
I. habita (H, D, A, E, S, L, P, R, unc V, C) [Scitpus habitus]
I. pottsii (unc C) [Scitpus pottsii]
I. subtilissima (H, L) [Scitpus subtilissimus]
Oreobelus impar (H, unc D)
O. pectinatus (H, D, A, E, S, L, P, R, T, C)
O. strictus (H, D, A, E, L, P, R, T, V, U, C)

Schoenus pauciflorus s.s. (H, D, A, E, S, L, P, R, O, T, V, U, C)
Uncinia astonii (D, A, E, L, R, unc V)
U. caespitosa (D, A, E, S, L, P, R, T, V, C)
U. clavata (H, S, L, P, R, T, V, C)
U. divaricata (H, D, A, E, S, L, P, R, O, T, V, U, C)
U. drucei (unc D, L, R)
U. egmontiana (H)
U. filiformis (H, D, A, E, S, L, P, R, T, V)
U. fuscovaginata var. (a) (H, D, A, E, S, L, P, R, O, T, V, U, C) (plants
 glaucous)
U. gracilentata (unc R)
U. involuta (D, S, L, P, R, O, T, V, U)
U. longiflorus (unc A, unc E, S, L, R, unc T)
U. nervosa s.s. (H, D, unc A, unc E, S, unc L, P, R, T, U)
U. tubra (H, L, R, C)
U. rupestris s.l. (incl. U. angustifolia) (H, A, E, S, L, P, R, V, C)
U. silvestris s.l. (incl. U. affinis) (H, A, E, S, L, P, R, T, C)
U. uncinata (H, C)
U. viridis (unc R, unc T)
U. zotovii (H)
U. sp. (b) (H, D, S, P, R, O, unc T, unc V, C) (U. affinis sensu Hamlin 1959, non
U. tripartita var. affinis Clarke; see Neuteboom 1978)
U. clavata X U. rupestris (?) (unc C)

RUSHES AND ALLIED PLANTS

Centrolepis ciliata (H, L, P)
Empodisma minus (H, unc D, L, P, C) [Calorophus minor]
Gaimardia setacea (D, L, R)
Juncus antarcticus (H, D, A, E, S, L, P, R, C)
J. australis (unc C)
J. gregiflorus (unc H, C)
J. novae-zelandiae (H, D, A, E, L, P, R, T, V, C)
J. pusillus (unc D, unc A, unc E, unc S, unc L, unc P)

Luzula colensoi (H, uncl D, A, E, S, L, P, R, T)

L. migrata (H, D, A, E, S, L, P, R, O, T, V, C) [L. banksiana var. migrata]

L. picta s.s. (L, P, C)

L. pumila (A, E)

L. tufa s.s. (H, D, A, E, S, L, P, uncl R, uncl T)

L. subclavata (H, R?, C) [L. picta var. pallida]

L. sp. (a) (H, A, E, S, L, P, R, T, V, C) [L. picta var. limosa]

L. sp. (b) (H, D, A, E, S, L, P, R, T, V, U) [L. chinata var. petheana]

L. sp. (c) (uncl C) (aff. L. tufa but plants stoloniferous and infl head smaller) [L. tufa in part]

L. colensoi X L. migrata (uncl D, uncl A, uncl E, L, P, uncl R)

L. migrata X L. tufa (P)

Marsippospermum gracile (H, D, A, E, uncl S, L, R, T)

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

Arthropodium candidum (uncl S, uncl L, P, uncl R, C)

Astelia graminea (H, D, A, E, S, L, P, R)

A. linearis s.l. (incl. A. linearis var. novae-zelandiae) (H, D, A, E, S, L, P, R, T, U)

A. nervosa s.s. (uncl H, D, A, E, S, L, P, R, O, T, uncl V)

A. nivicola s.s. (D, uncl S, uncl L, P, R, O, T, V, U)

A. petriei (H, D, A, E, S, L, P, R, O, T, V, U)

A. skottsbergii (H, D, uncl L)

A. sp. (a) (H, D, A, E, L, P, R, T, V, C) [A. nivicola var. monticae]

A. sp. (b) (H, D, L, P, R, T, V, C) (aff. A. nervosa, but lvs broader and not conspicuously white adaxially) [A. nervosa in part]

Bulbinella heckeri (D, L, P, R, T, V, C)

Harporhizon novae-zelandiae (P)

Libertia ixoides (uncl H, C)

L. peregrinans (uncl D, uncl A, uncl E, uncl S, P, uncl R, O, uncl C)

L. pulchella (H, P, C)

Luzuriaga parviflora (D, C)

Phormium cookianum (H, D, A, E, S, L, P, R, O, T, V, C)

Potamogeton cheesemanii (H, unc S, unc L, unc P)

P. suboblongus (H, L, unc P)

DICOTYLEDONOUS HERBS

COMPOSITES

Abrotanella caespitosa (H, P, C)

A. linearis ss. (D, P, R, T, V)

A. pusilla (D)

Anaphalis sp. (a) (H, D, A, E, S, L, P, R, O, T, V, U, C) [Helichrysum bellidioides ss.]

Brachyglottis lagopus var. (a) (R, U) (cottony hairs on both surfaces of lf, dense at first, but becoming sparse; the undersurface, though with more tomentum than the upper, at no stage appears white and may end up almost glabrous) [Senecio lagopus]

B. sp. (a) (H, D, A, E, S, L, P, R, O, T, V) (included in B. bellidioides, as var. crassa, by Nordenstam 1978) [Senecio bellidioides in part]

Brachyscome radicata (H, D, A, E, S, L, P, R, C)

B. sinclairii ss. (D, A, E, S, L, P, R, O, U)

Celmisia alpina ss. (D, A, E, S, L, P, R)

C. bellidioides (H, D, A, E, S, unc L, P, unc R, V, U, C)

C. dallii (H, unc D, P, R, O, T, V, C)

C. gibbsii (unc D, unc A, S, L, R)

C. gracilentata ssp. (a) (unc C) (plants tufted; lvs narrowly linear, with recurved margins)

C. hieracifolia ssp. hieracifolia (H, D, A, E, S, L, P, C)

C. incana s.l. (incl. C. discolor) (H, D, A, E, S, L, P, R, O, T, U, C)

C. lancifolia (H, D, A, E, S, L, P, R, O, T, U)

C. lateralis s.l. (incl. C. lateralis var. villosa) (H, D, unc A, unc E, S, L, P, unc R)

C. montei ssp. (b) (H, D, A, E, S, L, P, R, O, unc T, unc V, C) (described as C. coriacea var. lancifolia by Cheeseman 1925)

- C. petrici (H, D, R, T, V, U)
C. rupestris (unc S, unc L, P)
C. sessiliflora (H, D, A, E, S, L, P, R, O)
C. similis (H, D, A, E, unc S, L, P, C)
C. sindairii s.l. (incl. C. allanii and C. durietzii) (H, D, A, E, S, L, P, R, O, T, V, U)
C. spectabilis ssp. spectabilis (H, D, A, E, S, L, P, R, O, T, U, C)
C. traversii (H, D, A, E, S, L, P, R, T, V, unc C)
C. sp. (a) (aff. C. gracilentata; plants tufted; lvs linear to linear-lanceolate, up to 45 X 1.2 cm) ssp. (a) (D, L, P, R, O, T, V, U) (upper surface and margins of lf thinly covered in tomentum; lower surface densely covered) [C. gracilentata in part]
C. sp. (a) ssp. (b) (H, unc A, unc E) (lower surface glabrous)
C. sp. (b) (H, unc D, A, E, S, L, P, R, O, U, C) (aff. C. gracilentata; plants strongly rhizomatous) [C. gracilentata in part]
C. alpina X C. sessiliflora (unc D)
C. hieracifolia X C. sindairii (unc A, unc E)
C. sessiliflora X C. spectabilis (unc P, unc R)
C. sessiliflora X C. traversii (unc D, unc S, unc L, unc P)
C. sessiliflora X C. sp. (undetermined) (unc S)
C. similis X C. sindairii (unc U)
C. similis X C. spectabilis (unc D, unc A, unc E, unc S, unc L)
C. similis X C. traversii (unc L)
C. spectabilis X C. traversii (unc H, unc D, unc S, unc L, unc R, unc C)
Craspedia sp. (a) (H, D, A, E, S, L, R, T, V, U, C) (summer-green plants in wet and dry flushes including screes; lvs white or greenish white; both surfaces densely clad in cottony hairs that mat together to form a felt closely appressed to the lf surface; beneath the felt both surfaces are densely covered in minute glandular hairs; fls white) [C. lanata var. elongata]
C. sp. (b) (H, D, A, E, S, L, P, R, T, V) (summer-green plants, usually in fertile well-drained soils; lvs green, elliptic spatulate; both

surfaces densely clad in short glandular hairs; midrib with or without long multicellular non-glandular hairs; lf margins \pm faintly white with cottony hairs; fls white)

C. sp. (c) (D, A, E, L, P?, R, T, V) (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. (w) (R, O) (summer-green plants on cliffs and in well-drained herbfields; lvs up to 18cm long, with short broad petiole merging into lamina; both surfaces densely clad in short glandular hairs, with or without longer, multicellular non-glandular hairs with cottony tips; margins conspicuously white with cottony hairs; fls white)

C. sp. (bb) (S, 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)

C. sp. (cf. C. robusta) (D?, E, S, L?)

C. sp. (undetermined) (P)

C. sp. (undetermined) (R, O)

- Dolichoglottis lyallii (unc T, V, U) [Senecio lyallii]
D. scorzonetoides (D, A, E, S, L) [Senecio scorzonetoides]
Gnaphalium audax (H, unc A, unc E, unc R, unc T, C) [G. collinum in part]
G. ensifer (unc C) [G. collinum in part]
G. latetale (H, D, A, E, L) [G. paludosum in part]
G. limosum s.s. (C) [G. collinum in part]
G. machayi s.s. (H, D, A, E, S, L, P, R, O, T, U, C) [G. traversii in part]
G. paludosum s.s. (H, D, A, E, S, L, P)
G. polylepis (unc H, A, E, unc L, unc C) [G. paludosum in part]
G. trahincum (H, S, L, unc R, O, T, unc V, C) [G. collinum in part]
G. traversii (S, L, P, C)
G. sp. (g) (unc A, unc E) (aff. G. machayi)
Haastia sindairii s.s. (A, E, S, L, P)
Halichrysom filicaule (H, L, P, R, C)
Lagenifera cuneata (H, O, R, V, C)
L. petiolata (S, R) [L. pumila var. multidentata]
L. pinnatifida (P, R, unc T, C)
L. pumila (H, P, unc T, C)
L. strangulata (H, D, A, E, S, L, P, R, T, C) [L. petiolata]
L. pumila x L. strangulata (unc C)
Leptinella pyraethifolia agg. (H, D, A, E, S, L, P, R, C, unc V, U, C)
 [Cotula pyraethifolia]
L. sp. (b) (H, D, A, E, S, L, P, R, T, V, C) (included in L. squalida as
 ssp. mediana, by Lloyd and Webb, 1987) [Cotula squalida
 in part]
L. sp. (d) (R, O) (aff. L. squalida and L. sp. (b) but pinnae entire
 or almost so) [Cotula squalida in part]
Leucogenes grandiceps (D, A, E, S, L, P, unc R, unc T)
L. grandiceps x Raoulia eximia (unc D, unc A)
Microsetis scapigera (H, D, A, E, S, L, P, R, O, V, C)
Pseudognaphalium sp. (a) (H, unc C) (aff. Pluteoalbum; lvs mostly
 linear-spathulate to linear, acute) [Gnaphalium luteoalbum
 in part]

- P. sp. (b) (unc S, L, P, O) (aff. P. luteoalbum; lvs mostly oblong-spathulate to narrowly oblong, rounded) [Gnaphalium luteoalbum]
- Raoulia apicinigra (unc A, S, R, L) [R. hookeri var. apicinigra]
- R. eximia s.l. (incl. R. rubra) (H, D, A, E, S, L, P, R, T, V)
- R. glabra (H, unc D, A, E, S, L, P, R, O, T, V, C)
- R. grandiflora var. grandiflora (H, D, A, E, S, L, P, R, T, U, C)
- R. subsericea (unc A)
- R. tanvicaulis s.l. (incl. R. tanvicaulis var. dimorpha and R. t. var. pusilla) (H, L, R, C)
- Senecio glaucophyllus ssp. glaucophyllus (unc P, R, O, V)
- S. minimus (C) [Erechtites minima var. heterophylla and E. minima var. angustata]
- S. waitavensis (H, D, A, E, S, L, P, R, T, V) [Erechtites waitavensis]
- Taraxacum magellanicum (H, D, A, E, S, L, R, V)
- Vittadinia australis agg. (unc C)

DICOTYLEDONOUS HERBS OTHER THAN COMPOSITES

- Acaena anserinifolia (H, D, A, E, S, L, R, O, T, V, C) [A. anserinifolia, A. pusilla, A. pusilla var. suprasericascens, and A. viridior]
- A. fissistipula (unc D, A, E, S, L, P, unc R, unc V, unc C)
- A. inermis (H, S, L, R, C) [A. inermis, A. microphylla var. robusta, and A. microphylla var. pallideolivacea]
- A. juvenca (C)
- A. profundeincisa (H, D, A, E, S, L, P, R, O, T, V) [A. anserinifolia var. sericeinitens and A. anserinifolia var. pauvidens]
- A. saccaticupula (unc S, unc L, P)
- A. anserinifolia X A. inermis (H, unc R)
- Aciphylla anomala (H, D, unc A, L, P, R, O, T, V, U)
- A. colensoi var. colensoi (D, L)

A. ferox (H, D, A, E, S, P, R, O, T, V, U)

A. glaucescens s.s. (R, O)

A. polita var. (a) (H, D, A, E, S, L, P, R) (If segments coarser than in var. polita and stipules mostly simple; forms with particularly coarse segments from northern NW Nelson are included here as they appear to grade into the usual form and are not separated ecologically; see Dawson and LeCompte, 1978)

A. sp. (c) (A, E, S, P, unc C) (aff. A. glaucescens but pinnae very rigid)

A. anomala X A. ferox (unc P) (Dawson and LeCompte, 1978)

A. colensoi X A. polita (unc D)

A. ferox X A. polita (unc A, unc E, unc S)

A. ferox X Anisotome haastii (unc T)

Actinotis novaezelandiae (unc D) [Hemiphys suffocata var. novaezelandiae]

Anemone tenuicaulis (R, unc T, V, U)

Anisotome aromatica (H, D, A, E, S, L, P, R, T, V, C) [A. aromatica vars aromatica, flabellifolia, incisa, major, obtusata or pinnatisecta]

A. daltoidea (H, D, A, E, S, L, P, R, O, T, V, C)

A. filifolia (S, L, P, R, V)

A. haastii (H, D, A, E, S, unc L, R, O, T, V, C)

A. pilifera (H, D, A, E, S, L, P, R, T, U)

A. sp. (a) (D) (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) (D, A, P) (described as A. imbricata var. prostrata by Dawson 1961) [A. imbricata in part]

A. aromatica X A. haastii (unc A, unc E)

Callitriche pettiei ssp. pettiei (unc D)

Cardamine sp. (a) (P, unc R, C) (aff. C. corymbosa; plants slender; fls petalous or apetalous - petalous 4-6mm diam.) [C. corymbosa in part]

C. sp. (b) (D, A, E, S, L, P, R, O, T, V, C) (C. debilis agg.; "Long Style" of Pritchard 1957)

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

C. sp. (d) (H, A, E, S, uncl R, C) (C. debilis agg.; "Glossy Leaf" of Pritchard 1957)

C. sp. (e) (unc A, unc E) ("Tussock Race" of Pritchard 1957)

C. sp. (f) (H, D, A, E, S, L, P, R, O, T, V, unc C) (lvs mostly simple, occasionally with up to two pairs of pinnules; blades \pm reniform)

C. sp. (h) (L, unc R) (C. debilis agg.; fls small or large, 3-10 mm diam.) capsules usually minutely hairy)

C. sp. (i) (D, A, E, S, L, R, T) ("Scree Race" of Pritchard 1957)

C. sp. or spp. (undetermined) (H, D, L, V) (C. debilis agg.)

Cheesemaniania latisiliqua s.l. (incl. C. gibbsii) (H, D, A, E, S, uncl L, P, R, O, unc V)

Colobanthus aciculatus (unc E, S, uncl L, P)

C. affinis (D, A, E, S, L, R, T, V)

C. apetalus s.l. (incl. C. a. var. alpinus) (D, A, E, S, L, P, R, C)

C. buchananii s.s. (unc E, S)

C. canaliculatus s.s. (H, D, A, E, S, L, P, R, O, T, unc V)

C. strictus (unc A, unc E, S, L, P, unc R, unc O, uncl T, unc V)

C. wallii s.l. (incl. C. maschnerae) (H, unc D, A, E, S, L)

C. sp. (a) (unc L) (aff. C. buchananii)

C. sp. (b) (unc S, uncl L) (lvs and sepals strongly acicular; lvs unbordered; sepals 5, broader than lvs, without a thickened midrib)

C. acicularis X C. wallii (unc S)

C. canaliculatus X C. wallii (unc S)

Crassula sinclairii (D, A, E, uncl L, P, C) [Tillaea sinclairii]

Donatia novae-zelandiae (H, D, A, E, L, P)

Drosera arcturi (H, D, A, E, S, L, P, R)

D. spatulata (H, D, A, E, L, P, unc R, C)

D. stenopetala (D, L, P, T)

Elatine gratioloides (unc D)

Epilobium alsinoides s.s. (unc D) (E. alsinoides and E. thymifolium)

- E. atriplicifolium s.s. (S, L, P, unc R, unc V, C) [E. alsinoides in part and E. novae-zelandiae]
- E. brunnescens s.s. (H, unc D, A, E, S, L, P, R, C) [E. pedunculare var. brunnescens]
- E. chlorifolium (H, D, A, E, S, L, P, R, C, T, V)
- E. cinctum (unc C)
- E. cockayneanum (H, D, A, E, S, L, P, R, T, V, U)
- E. elegans (unc S, unc O, unc T, unc V)
- E. glabellum s.s. (H, D, A, E, S, L, P, R, T, U, C) [E. etubescens and E. glabellum]
- E. gracilipes (L, unc P, R, V) [E. gracilipes and E. gracilipes var. eoucinnum]
- E. komarovianum (H, unc D, A, E, unc S, L) [E. neteroides and E. neteroides var. minimum]
- E. linnaeoides (H, S, L, R, C)
- E. macropus (S, L, P, unc V)
- E. margaritae (H, D, A, E, S, unc L, P)
- E. matthewsii (D, E, R, O, T, V)
- E. microphyllum (L) [E. microphyllum and E. m. var. prostratum]
- E. neteroides (P, C) [E. pedunculare var. viride]
- E. nummularifolium (S, L)
- E. pernitens (H, D, A, E, S, L, P, unc R, T)
- E. porphyrium (D, A, E, S, unc L)
- E. pubens (S, unc L, P, O, unc R, unc V, C) [E. pubens and E. pubens var. strictum]
- E. pycnostachyum (H, D, A, E, S, L, P, unc T, V)
- E. rotundifolium (C)
- E. rubromarginatum (D, A, E, S, L, P)
- E. tasmanicum (A, E, S, unc L)
- E. verrucosum (L, P, O)
- E. sp. (a) (H, D, A, E, S, L, P, R, O, T, V, U) (included in E. brunnescens as ssp. minutiflorum, by Raven and Engelhorn, 1971) [E. pedunculare var. minutiflorum]

- E. sp. (C) (H, D, A, E, S, L, P, unc R, unc C) (aff. E. glabellum; lvs spotted with red; fls pink) [E. glabellum in part]
- E. porphyrium X E. sp. (undetermined) (unc S)
- Euphrasia cheesemani (unc L, P, R, O, V, C)
- E. petriei (H, D, unc A, unc E, S, L, O)
- E. revoluta (S, unc L)
- E. townsonii s.s. (H, D, A, E, S, L, P, R, unc T, U)
- E. zelandica agg. (H, S, R, O, T, V, C)
- E. sp. (e) (H, D, A, E, S, L, P, R, O, T, U) (aff. E. laingii) [E. laingii in part]
- E. sp. (l) (L, P) (aff. E. townsonii)
- E. sp. (m) (R, unc T, V) (aff. E. petriei; calyx with glandular hairs; corolla pure white; lobes orientated to form a flat surface)
- E. sp. (o) (L, P) (aff. E. townsonii)
- Forstera mackayi (H, D, A, E, S, L, P, R, O, T, V, U)
- F. sedifolia s.s. (D, A, E, unc S, L, R, T)
- F. tenella (H, D, A, E, S, L, R, O, T, U)
- F. sp. (a) (H, D) (lvs closely placed, not recurved, persisting well down stem and becoming thin and translucent; costa not apparent)
- Galium perpusillum s.s. (H, D, A, E, S, L, P, T, V, C)
- Gantiana bellidifolia (H, D, A, E, S, L, P, R, O, T, V, U)
- G. filipes (unc D, unc A, S, L, R, O, V)
- G. gracilifolia s.l. (incl. G. vernicosa) (H, D, A, E, S, L, P, R, T, V)
- G. montana s.l. (incl. G. montana var. stolonifera, G. patula, and G. bellidifolia var. pulchella) (H, D, L, P)
- G. spenceri (unc H, unc D)
- G. tenuifolia (unc L, C)
- G. sp. (a) (H, D, A, E, S, L, P, R) (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. (f) (C) (aff. G. montana, but usually biennial, rarely perennial, and multi-branched from base)
- G. sp. (g) (H, D, A, E, unc S, L, P, R, T, V, U) (aff. G. corybifera, but stems usually multi-branched)

Geranium sessiliflorum var. novae-zeelandiae (S, uncl, unc T, V)
G. sp. (c) (H, D, A, E, S, L, P, R, O, T, V, U) (aff. G. microphyllum) [G. microphyllum in part]

Geum leiospermum (H, D, S, L, P, unc R, unc T, V, C)

G. uniflorum (R, T)

G. sp. (d) (H, D, A, E, S, L, P, R, O, T, unc V, U, C) (G. parviflorum agg.; stock short; terminal flt about as long as broad; fls up to 13 mm diam.) [G. parviflorum in part]

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

Gingidia decipiens (H, D, A, E, S, L, P, R, T, V, U) [Angelica decipiens]

G. montana (R, O) [Angelica montana]

Gonocarpus aggregatus (H, D, S, L, P, R, T, V, C) [Haloragis depressa]

G. micranthus ssp. micranthus (unc D, L, P, C) [Haloragis micrantha]

G. montanus (P, unc C) [Haloragis procumbens]

Gunnera dentata var. dentata (H, C)

G. monoica (H, O, unc V) [G. albocarpa, G. monoica, and G. strigosa]

Hydrocotyle heteromeria (S, unc P, unc R, C) [H. americana var. heteromeria]

H. microphylla (H, D, L, unc R, C)

H. moschata (unc D, unc S, unc P, unc R, C)

H. sulcata (H, D, S, L, P, R, C) [H. tripartita in part]

H. sp. (a) var. (a) (H, A, E, S, L, R, O, T, V, C) [H. novae-zeelandiae var. montana]

Hypsela sp. (a) (H) (plants very small; fls 3 mm diam.; corolla lobes narrowly lanceolate)

Hypericum japonicum agg. (unc C)

Jovellana repens (H)

Kelleria dieffenbachii (H?, unc D, unc L, P, R, T, V, C) [Drapetes dieffenbachii]

- K. laxa (H, uncd, A, E, uncl, P, uncr, O, uncv, c) [Drapetes laxus]
K. multiflora (H, uncd, S, L, P, R, O, T, U, C) [Drapetes multiflorus]
K. tessellata (H, A, E, S, P, C) [Drapetes villosus in part]
Lilaeopsis kuhliana (uncs, uncl, c)
Limosella lineata agg. (uncd, unce, uncs, uncl, c)
Lobelia roughii (H, A, E, S, uncl, P)
Mantha cunninghamii (H, D, S, L, P, R, V, C)
Montia fontana s.s. (A, E, S, L, P, R, O)
Myosotis angustata (uncl)
M. forsteri (uncd, A, E, R, unct, c)
M. lyallii s.l. (incl. M. lyallii var. townsonii and M. alderi) (D)
M. macrantha (H, D, A, E, S, uncl, P, R)
M. tenericaulis (uncl)
M. traversii s.l. (incl. M. traversii var. cantabrica) (S)
M. vanosa (uncc)
M. sp. (b) (D, A, E, S, L, P, uncr, O, uncv, c) (M. australis agg.; fls small, white)
M. sp. (c) (H, A, E, S, L, P, uncr, O, T, V, C) [M. pygmaea var. drucei]
M. sp. (e) (uncs, L, P, uncv) (M. australis agg.; fls yellow)
Myriophyllum pedunculatum ssp. novae-zelandiae (H, L)
M. propinquum (uncs, c)
M. triphyllum (uncd, uncs, L, uncp, uncc) [M. elatnioides]
Neopaxia sp. (b) var. (a) (H, D, A, E, S, L, P, R, T, V) (described as Claytonia calycina by Colenso 1896) [Claytonia australasica in part]
Netteta balfouriana (H, D, A, E, uncs, L, P, R)
N. ciliata (H, D, A, E, S, L, P, uncr, O, T, V, U)
N. depressa s.l. (incl. N. cunninghamii (H, c))
N. sp. (a) (H, D, S, P, R, T, V, C) (aff. N. dichondriifolia but hairs present on both surfaces of lf, straight, not hooked) [N. dichondriifolia in part]
N. sp. (c) (R) (lvs larger and more fleshy than in N. depressa)
Notothlaspi sp. (b) (H, D, A, E, S, L, P, R, T, V, U) (N. australe auct., non Thlaspi australe Hook. f.) [N. australe]

- Oreomyrrhis colensoi s.s. (incl. O. colensoi var. hispida and O. colensoi var. multifida) (H, D, A, E, S, L, P, R, V, U, C)
O. sp. (d) (D, S, L, R, C) (aff. O. ramosa) [O. ramosa in part]
Oreostylidium subulatum (H, uncd, L, P, C)
Ourisia caespitosa ssp. caespitosa (H, D, A, E, S, L, P, R, O, T, U)
O. lactea ssp. lactea (H, D, A, E, S, L, P, R, O, T, V, U, C) [O. macrophylla var. lactea]
O. macrocarpa ssp. calycina (H, uncd)
O. sessilifolia ssp. sessilifolia (D)
O. simpsonii (H, D, A, E, S, L, P, R, O, T) [O. sessilifolia var. simpsonii]
O. caespitosa X O. lactea (unc A, unc E)
O. caespitosa X O. simpsonii (unc D, unc A, unc E)
Oxalis magellanica (H, D, A, E, S, L, P, R, O, T, V, U, C) [O. lactea]
Parahebe cheesemani (A, E, S, unc L, P)
P. decora (unc H, unc D, L, P, unc R)
P. linifolia ssp. linifolia (R, O, unc T, V, U)
P. lyallii (H, D, A, E, S, L, P, R, O, T, V, C)
Phyllachne clavigata s.l. (incl. P. colensoi) (H, D, A, E, S, L, P, R, T)
Plantago lanigera / P. novae-zealandiae (D, A, E, S, L, P, R, O, T, V, U, C)
P. lanigera s.s. (S, R)
P. novae-zealandiae (R?)
P. raoulii (H, D, A, E, S, L, P, R, O, T, V, C)
P. triandra s.s. (H, L, C)
P. uniflora (H, D, A, E, S, L, P, R, O, V, U)
Potentilla auserinsides (C)
Pratia angulata agg. (H, D, A, E, S, L, P, R, O, T, V, U, C)
P. macrodon s.s. (D, A, E, S, L, P)
Psychiophila novae-zealandiae (D, S, L, P, R, T, V) [Caltha novae-zealandiae]
Ranunculus altus (unc D, unc S, L, R, O, V, C) [R. hirtus in part]
R. amphitrichus (unc C) [R. hiularis in part]
R. cheesemani var. cheesemani (D, A, E, L, R)
R. foliosus (H, D, A, E, S, L, P, R, O, unc V, C) [R. foliosus, R. insertus, and R. portectos]

- R. glabrifolius (L, C) [R. rivularis in part]
R. gracilipes (unc D, E, unc S) [R. gracilipes and R. sinclairii]
R. insignis (H, D, A, E, S, L, P, R, O, T, V, U, C) [R. insignis, R. lobulatus,
and R. montoi]
R. membranifolius (H, D, A, E, S, L, P, R, C) [R. hirtus in part]
R. nutus (P, unc R, unc O, unc T, V) [R. hirtus in part]
R. reflexus (P, C) [R. hirtus in part]
R. ternatifolius (unc C)
R. verticillatus (H, D, A, E, S, L, P, R, O, T, V, U) [R. divalis]
R. sp. (c) (unc E, unc S, C) (described as R. lappaceus var. macrophyllus by
Kirk 1899) [R. lappaceus in part]
R. sp. (g) (C)
R. sp. (h) (unc D) (aff. R. foliosus)
R. sp. (undetermined) (R, O)
Rumex flexuosus (C)
Schizilema coluseoi (S, uncl, P)
S. haastii s.s. (H, D, A, E, S, L, P, R?, O)
S. nitens (H, D, A, E, S, L, P, R)
S. roughii (P)
S. trifoliolatum (unc R)
S. sp. (a) (D, S, R, O, unc T) (described as S. haastii ssp. cyanopetalum
by Domin 1908) [S. haastii var. cyanopetalum]
Scleranthus brockiei (unc H, D, R, C)
S. uniflorus (D, A, E, S, L, P, unc R, O, T, V)
Stackhousia minima (L, C)
Stellaria decipiens (incl. S. parviflora) (H, D, A, E, S, L, P, R, O, T, C)
S. gracilentata (unc D, A, E, S, L, P, R, O, T, V)
Urtica incisa (H, S, L, R, O, T, V, C)
Viola cunninghamii (H, D, A, E, S, L, P, R, O, T, V, C)
V. filicaulis (H, D, A, E, L, P, R, T, C)
V. lyallii (H, S, L, R, O, T, V, C)

Wahlenbergia albomarginata var. albomarginata s.l. (incl.
W. broekii and W. pygmaea var. laxa) (H, D, A, E, uncc, S, L, P, R, T, V, U)
W. rupestris (c)

No. of indigenous species listed for each area:

Hauptiri (H) : 367
Douglas (D) : 354
Anatoki (A) : 304
Devil (E) : 307
Snowden (S) : 335
Lockett (L) : 400
Peel (P) : 363
Arthur (R) : 384
Ironstone (O) : 174
Hough (T) : 233
Skeet (V) : 203
"Turks Cap" (U) : 87
Cobb (C) : 366

ADVENTIVE PLANTS (c. 88 SPECIES)
(*seen only in vicinity of Cobb Dam)

DICOTYLEDONOUS TREES AND SHRUBS

- * Barbarts glaucocarpa (uncc)
- * Buddleja davidii (c)
- * Cotoneaster sp. (undetermined) (uncc)
- Cytisus scoparius (c)
- * Prunus sp. (undetermined) (uncc)
- Ribes uva-crispa (uncc)
- * Rubus fruticosus agg. (uncc)
- * Salix fragilis (uncc)
- * Ulex europaeus (uncc)

MONOCOTYLEDONOUS HERBS

GRASSES

Agrostis capillaris (H, unc D, unc A, unc E, S, L, P, R, O, T, C)

Aira caryophyllea (H, C)

A. praecox (H)

Anthoxanthum odoratum (H, unc D, L, P, R, O, unc T, C)

Arrhenatherum elatius (C)

Cynosurus cristatus (unc H, R)

Dactylis glomerata (H, L, unc P, R, O, C)

*Elymus rectisetus s.s. (unc C)

Festuca arundinacea (R, C)

F. nigrescens (H, D, L, P, R, O, C)

F. tenuifolia (C)

Holcus lanatus (H, unc D, L, P, R, unc T, C)

Lolium perenne (unc R, unc T, unc C)

Phleum pratense (C)

Poa annua (H, L, P, R, T, C)

P. pratensis (S, L, P, R, T, C)

Vulpia bromoides (C)

SEDGES

Carex ovalis (H, L, P, R, C)

RUSHES

Juncus articulatus (H, S, L, P, O, C)

J. bufonius (L)

J. conglomeratus (L, T)

J. effusus (H, unc D, S, L, P, R, O, C)

J. subuliflorus (P)

J. tenuis (unc H, unc T, C)

J. sp. (undetermined) (H)

Luzula congesta (H)

MONOCOTYLEDONOUS HERBS OTHER THAN GRASSES, SEDGES, AND RUSHES

Leucojum aestivum (unc C)

DICOTYLEDONOUS HERBS

COMPOSITES

Achillea millefolium (L, unc R, C)

Bellis perennis (unc C)

Cirsium arvense (R, T, C)

C. palustre (L)

C. vulgare (H, S, L, R, O, T, C)

Crepis capillaris (H, L, C)

Hieracium lepidulum (R, O)

H. pilosella (O, T)

H. sp. (undetermined) (R, O)

Hypochoeris radicata (H, D, A, E, S, L, P, R, O, T, C)

Leontodon taraxacoides (H, C)

Leucanthemum vulgare (C)

* Matricaria matricarioides (unc C)

Mycelis muralis (H, A, E, S, L, P, R, O, T, C)

Senecio jacobaea (L, C)

* Sonchus asper (C)

Taraxacum officinale s.l. (H, L, P, unc R, O, unc T, C)

DICOTYLEDONOUS HERBS OTHER COMPOSITES

* Anagallis arvensis (unc C)

- Aquilegia vulgaris (unc C)
Aranaria serpyllifolia (C)
Centaureum erythraea (unc C)
Cerastium fontanum ssp. vulgare (H, D, A, E, S, L, P, R, O, U, C)
Digitalis purpurea (O, T, C)
Epilobium ciliatum (C)
E. obscurum (P)
- * Hypericum humifusum (C)
H. perforatum (C)
Linum catharticum (H, L, P, C)
Lotus pedunculatus (unc H, L, C)
Mantha spicata (unc C)
Mimulus moschatus (S, T, C)
Myosotis laxa ssp. caespitosa (C)
- * Navarratia squarrosa (C)
 * Papaver sp. (undetermined) (unc C)
 * Parantucellia viscosa (unc C)
Plantago lanceolata (C)
P. major (unc C)
- * Polygonum arenastrum (unc C)
 * P. persicaria (unc C)
Pronella vulgaris (L, R, C)
Ranunculus acris (C)
R. repens (C)
Rumex acetosella (H, L, P, unc R, C, C)
R. obtusifolius (unc C)
R. pulcher (L)
- Sagina procumbens (H, unc A, unc E, P, unc R, O, C)
- * Spergularia tubra (C)
Trifolium dubium (H, C)
T. repens (H, S, L, P, R, O, T, C)
- * Verbascum thapsus (C)
 * Veronica arvensis (L, unc C)
V. serpyllifolia (R, T, C)

No. of adventive species listed for each area:

Hauptiri (H)	: 28
Douglas (D)	: 7
Anatoki (A)	: 5
Devil (E)	: 5
Snowden (S)	: 10
Lockett (L)	: 28
Paal (P)	: 18
Baton (R)	: 26
Ironstone (O)	: 18
Hough (T)	: 18
"Turks Cap" (U)	: 1
Cobb (C)	: 75

RECORDS NOT ACCEPTED

Brachyglottis cassinoides (Pettersen and Pettersen, 1956, as Senecio cassinoides)

Cassinia leptophylla (Williams 1993)

Pimelea sericeovillosa (Burrows 1962)

Grammitis ciliata (Pettersen 1971)

Chionocholea conspicua ssp. conspicua (Simpson 1969, as C. conspicua var. conspicua)

C. flavescens (Pettersen 1971, and Williams 1993)

Festuca matthewsii (Williams 1993)

Brachyglottis bellidioides (Simpson 1969, as Senecio bellidioides)

"Celmisia novae-zelandiae" (Pettersen and Pettersen, 1956)

Craspedia minor (Pettersen 1971)

Acaena glabra (Mason 1944, Mason 1949)

Aciphylla aurea (Olivier 1956)

A. monroi (Williams 1993)

A. squarrosa (Pettersen 1971)

CONCORDANCE BETWEEN NAMES USED BY WILLIAMS (1993)
AND NAMES USED BY THE PRESENT AUTHOR

Williams	Druce
<u>Cassinia leptophylla</u>	<u>Cassinia vauvilliersii</u>
<u>Coprosma parviflora</u> var. <u>dumosa</u>	<u>Coprosma</u> sp.(d)
<u>C. taxon 1</u>	<u>C. sp.(e)</u>
<u>C. taxon 2</u>	<u>C. sp.(d)</u>
<u>C. taxon 3</u>	<u>C. sp.(h)</u>
<u>Gaultheria depressa</u> var. <u>novae-zelandiae</u>	<u>Gaultheria</u> sp.(a)
<u>Hebe taxon 1</u>	<u>Hebe</u> sp.(j)
<u>H. pauciramosa</u> var. <u>masoniae</u>	<u>H. sp.(d)</u>
<u>Pseudopanax colensoi</u> var. <u>ternatus</u>	<u>Pseudopanax</u> sp.(a)
<u>Blechnum taxon 1</u>	<u>Blechnum</u> sp.(b)
<u>Agrostis taxon 1</u>	<u>Agrostis</u> sp.(b)
<u>Chionochoa flavescens</u> ssp. <u>lupeola</u>	<u>Chionochoa</u> sp.(a)
<u>Deschampsia chapmanii</u>	<u>Deschampsia novae-zelandiae</u>
<u>Festuca matthewsii</u>	<u>Festuca</u> sp.(b)
<u>F. taxon 1</u>	<u>F. sp.(b)</u>
<u>Lachnagrostis filiformis</u> var. <u>semiglabra</u>	<u>Lachnagrostis lyallii</u>
<u>Poa taxon 1</u>	<u>Poa</u> sp.(c)
<u>Trisetum antarcticum</u> var. <u>tenellum</u>	<u>Trisetum</u> sp.(b)
<u>T. taxon 1</u>	<u>T. sp.(a)</u>
<u>Luzula chinata</u> var. <u>patriciana</u>	<u>Luzula</u> sp.(b)
<u>L. picta</u> var. <u>pallida</u>	<u>L. subclavata</u>
<u>L. picta</u> var. <u>limosa</u>	<u>L. sp.(a)</u>
<u>Astelia nivicola</u> var. <u>moriceae</u>	<u>Astelia</u> sp.(a)

<u>Brachyglottis bellidioides</u> var. <u>crassa</u>	<u>Brachyglottis</u> sp.(a)
<u>Celmisia allanii</u>	<u>Celmisia</u> <u>sinclairii</u>
<u>Craspedia lanata</u> var. <u>elongata</u>	<u>Craspedia</u> sp.(a)
<u>C.</u> taxon 1	<u>C.</u> sp.(b)
<u>C.</u> taxon 2	<u>C.</u> sp.(c)
<u>C.</u> taxon 3	<u>C.</u> sp.(w)
<u>Halichrysum bellidioides</u>	<u>Anaphalis</u> sp.(a)
<u>Leptinella squalida</u> ssp.	<u>Leptinella</u> sp.(b)
<u>mediana</u>	
<u>Aciphylla</u> taxon 1	<u>Aciphylla glaucescens</u> s.s.
	and <u>A.</u> sp.(c)
<u>A. montei</u>	<u>A. polita</u> var.(a)
<u>Epilobium brunnescens</u> ssp.	<u>Epilobium</u> sp.(a)
<u>minutiflorum</u>	
" <u>E. gracilipes</u> "	<u>E. gracilipes</u>
<u>Euphrasia laungii</u>	<u>Euphrasia</u> sp.(e)
<u>Gentiana bellidifolia</u> var.	<u>Gentiana</u> sp.(a)
<u>australis</u>	
<u>G.</u> taxon 1	<u>G.</u> sp.(a)
<u>G.</u> taxon 2	<u>G.</u> sp.(g)
<u>Geum parviflorum</u>	<u>Geum</u> sp.(a)
" <u>Hydrocotyle montana</u> "	<u>Hydrocotyle</u> sp.(a) var.(a)
<u>Montia calycina</u>	<u>Neopaxia</u> sp.(b) var.(a)
<u>Myosotis pygmaea</u> var. <u>drucei</u>	<u>M.</u> sp.(c)
<u>Notothlaspi australe</u>	<u>Notothlaspi</u> sp.(b)
<u>Oreomyrrhis ramosa</u>	<u>Oreomyrrhis</u> sp.(d)

Anisotome imbricata var. imbricata (Simpson 1969)

Euphrasia laingii (Williams 1993)

E. montei (Peterson 1971)

Forstera bidwillii (Peterson and Peterson, 1956)

Gentiana corymbifera (Peterson and Peterson, 1956,
and Simpson 1969)

G. sp. (d) (Williams 1993, as G. bellidifolia var. australis)

Myosotis petiolata (Peterson 1971)

Notoflaspi australe (Simpson 1969, and Williams 1993)

Oreomyrhis ramosa (Williams 1993)

Ourisia glandulosa (Mason 1949)

O. modesta (Simpson 1969)

Rumex neglectus (Mason 1944)

APPENDIX: VOUCHER SPECIMENS FOR UNNAMED TAXA

- Phyllocladus sp.(a)
Aristotelia fruticosa var.(a)
Coprosma acerosa ssp.(b)
C. pseudocuneata ssp.(a)
C. sp.(b)
C. sp.(d)
C. sp.(e)
C. sp.(h)
Cyathodes sp.(a)
C. sp.(b)
Dracophyllum sp.(a)
Habe cockayneana var.(a)
H. haastii var.(a)
H. sp.(j)
Helichrysum intermedium var.(a)
Leucopogon fasciculatus
Melicytus sp.(f)
Olearia nummulariifolia sp.(a)
Pimelea sp.(c)
Rubus cissoides var.(a)
Asplenium sp.(a)
Blechnum sp.(a)
B. sp.(b)
Pterostylis sp.(undetermined)
Agrostis sp.(b)
Chionocholea sp.(a)
Elymus sp.(a)
Festuca sp.(a)
F. sp.(b)
Lachnagrostis sp.(c)

Poa sp.(c)

Trisetum sp.(a)

Carex sp.(a)

C. sp.(d)

C. sp.(e)

Uncinia fuscovaginata var.(d)

U. sp.(b)

Luzula sp.(e)

Astelia sp.(b)

Brachyglottis lagopus var.(a)

Calmsia sp.(a) ssp.(a)

C. sp.(a) ssp.(b)

Craspedia

Leptinella sp.(d)

Pseudognaphalium sp.(a)

P. sp.(b)

Aciphylla polita var.(a)

A. sp.(c)

Anisotome sp.(a)

Cardamine sp.(a)

C. sp.(b)

C. sp.(c)

C. sp.(d)

C. sp.(e)

C. sp.(f)

C. sp.(h)

C. sp.(i)

C. sp. or spp. (undetermined)

Colobanthus sp.(a)

C. sp.(b)

Epilobium sp.(c)

Euphrasia sp.(e)

Forstera sp.(d)

Gentiana sp.(a)

G. sp.(f)

G. sp.(g)

Geranium sp.(c)

Geum sp.(a)

G. sp.(b)

Hypsela sp.(d)

Myosotis sp.(b)

M. sp.(e)

Nertera sp.(a)

Oreomyrrhis sp.(d)

Ranunculus sp.(g)

R. sp.(h)

R. sp.(undetermined)

Refs (as for 3)

5

(F)

(-)

Brookie given.

Pett & Pett.

Edger 1961

~~Edger 1961~~

~~Edger~~

~~Edger 1961~~

~~Edger~~

~~Edger~~

~~Edger~~

William 1993² (Central sed)

~~William 1993~~

~~Pett & Pett~~

~~Pett & Pett~~

VCS Scarpia 1969
~~Edger 1961~~
~~Pett & Pett~~

include

Davis & Lecroy 1978
Moore 1970
Oliver 1935

~~Burrows (Pur. cen. velleu.)~~

add. Edger (Pett)

add. Petterson T.; Pett 1956. 2 searched) P. date
Bull WTS 28: 14-23

Masarik 1949
(Oun. stad)
(ac. cubra)

Station records) under plads
T.R.S. NZ 87 (S) 175-180.

Oliver, WRB 1956 The genus Ac. TRS NZ 84: 1-18

Petterson, J 1971a (M. Snowden, north west Nelson)
B WTS 80: 32: 30-44

~~Edger~~
~~Pett & Pett~~

Game Coll - Jan 1970 B WTS 37: 54-58

