

HIGHER PLANTS (LYCOPODS, FERNS, GYMNOSPERMS, FLOWERING PLANTS) OF HAUPIRI RANGE AND BOULDER LAKE, N.W. NELSON

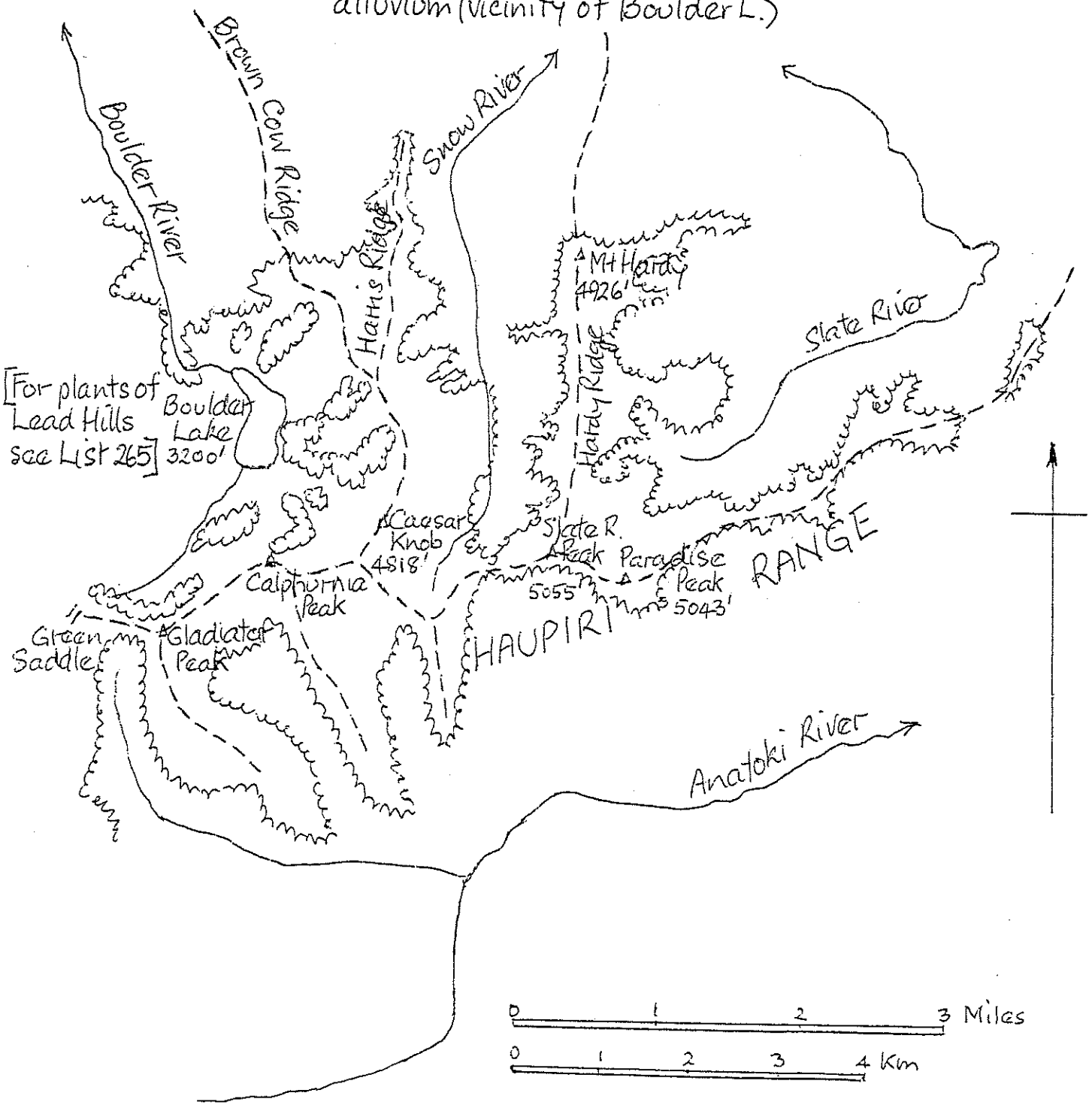
3200-5055 FT (970-1535 M)

A.P. Druce, Wellington, May 1985 (revised July 1985, June 1986, June 1988, July 1990, July 1991, July 1992, May 1993)

Highest point: Slate River Peak, 5055 ft, grid ref. S8 031749

(Based on visits Jan 1977 and Feb. 1985)

Rocks: shale, argillite, sandstone, conglomerate, quartzite, phyllite, schist; volcanics; alluvium (vicinity of Boulder L.)



INDIGENOUS SPECIES

(unc) - uncommon or local

GYMNOSPERM TREES AND SHRUBS

Halocarpus biformis
Lepidothamnus intermedius
L. laxifolius
L. intermedius x *L. laxifolius*
Libocedrus bidwillii
Phyllocladus alpinus agg.

Podocarpus hallii (unc)
P. nivalis
P. hallii x *P. nivalis* (unc)

MONOCOT TREES

Cordyline indivisa

DICOT TREES

Dracophyllum traversii (incl. *D. pyramidale*)
Elaeocarpus hookerianus
Fuchsia excorticata (unc)
Griselinia littoralis
Metrosideros umbellata
Nothofagus fusca
N. menziesii
N. solandri var. *eliffortoides*
Pittosporum dallii (unc)
P. patulum (unc)
Pseudopanax crassifolius (unc)
P. lineatis
P. simplex (incl. *P. s.* var. *sindairii*)
P. sp. (unnamed; included in *P. colensoi*, as var. *fiordensis* and as var. *ternatus*, by Wardle 1968)
Wainmannia racemosa var. *racemosa* (unc)

DICOT SHRUBS

Archerya traversii (incl. *A. t.* var. *australis*)

Aristotelia fruticosa var.

Brachyglottis adamsii
B. bidwillii var. *viridis*
B. rotundifolia var. (incl. *B. buechananii* and *B. cockaynei*) (unc)
B. bidwillii x *B. rotundifolia* (unc)
Cassinia vauvilliersii

Coprosma cheesemanii s.s.
C. ciliata ssp. *ciliata*
C. colensoi s.s.
C. crenulata
C. depressa
C. foetidissima
C. perpusilla ssp. *perpusilla*
C. propinqua ssp. *propinqua*

C. pseudocuneata ssp.
C. thamnoides (incl. *C. polymorpha*)
C. rugosa ssp. *rugosa* (unc)
C. setrolata (unc)
C. sp. (i) (unnamed; aff. *C. pseudocuneata*) (low-growing shrubs with small, thick, arcuate lvs)
C. sp. (ii) (unnamed; aff. *C. colensoi*) (low-growing shrubs with trailing branches) (unc)
C. sp. (iii) (unnamed) (*C. parviflora* var. *dumosa* sensu Allan 1961, non *C. p.* var. *dumosa* Cheeseman)

C. propinqua x *C. robusta* (unc)
Coriaria sarmentosa
Cyathodes dealbata (incl. *C. pumila*)

C. empetrifolia
C. sp. (*C. juniperina* agg.)
Dracophyllum longifolium var.
 (incl. *D. filifolium* = *D. oliveri*)

D. palustre (unc)
D. pubescens var. *pubescens*
D. uniflorum var. *uniflorum*
D. sp. (unnamed; aff. *D. kirkii*) (low-
 growing shrubs; branches often
 rooting; infl of few-fl'd racemes)
 (unc)
Epactis alpina
Exocarpos bidwillii
Gaultheria antipoda (unc)
G. crassa
G. depressa s.s.
G. rupestris (incl. *G. sulcorymbosa*)
G. sp. (unnamed; included in *G. de-*
pressa, as var. *novae-zelandiae*,
 by Franklin 1962)
Hebe albicans var. *albicans*
H. canterburiensis
H. ciliolata
H. cockayneana var.
H. gracillima
H. haastii var. (aff. var. *humilis*;
 see Moore 1961, p. 940) (unc)
H. macrantha var. *brachyphylla*
H. salicifolia var. *salicifolia*
H. tetragona var. (*H. coarctata*)
H. topiaria
H. sp. (i) (*Leonhebe masoniae**)
H. sp. (ii) (*L. mooreae*)
H. salicifolia X *H. sp.* (unc)
Helichrysum intermedium var.
Leptospermum scoparium

Leucopogon fasciculatus var.
L. fraseri s.s.
L. suaveolens (incl. *Cyathodes*
colensoi)
Melicactus alpinus s.s.

Myrsine divaricata s.s.
M. nummulata
Olea arborescens
O. avicenniifolia
O. colensoi var. *colensoi* (unc)
O. lacunosa var. *lacunosa*
O. nummulatifolia var. (lvs
 distinctly longer than broad,
 rather than suborbicular as
 in var. *nummulatifolia*) (unc)
Pentachondra pumila
Peraxilla tetrapetala (unc)
Pimelea suteri var. (*P. oreophila*)
Pittosporum anomalum
P. rigidum var. (*P. crassicaule*)
Pseudopanax anomalus
Pseudowintera traversii
Traversia baccharoides (unc)
DICOT LIANES AND RELATED
TRAILING PLANTS
Muehlenbeckia axillaris
Rubus cissoides var. (leaflets
 broader than in var. *cissoides*)
R. parvus (unc)
R. schmidelioides var. *schmid-*
elioides

LYCOPODS
Lycopodium australianum
L. fastigiatum
L. latetale (incl. *L. ramulosum*?)
L. scariosum
L. varium (incl. *L. billardierei*
 and *L. novae-zelandicum*) (unc)

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

FERNS

Asplenium flaccidum
A. hookerianum (unc)
Blechnum discolor
B. fluviatile agg.
B. penna-marina
B. procerum
B. sp. (i) (unnamed) (common lowland sp.;
lower pinnae reduced in length)
B. sp. (ii) (unnamed) (mountain sp.;
lower pinnae not reduced in length
("The Dunedin-Cass Variety" of Crook
1963))
Cyathea colensoi
Cystopteris tasmanica
Gleichenia dicarpa
Grammitis billardierei
G. magellanica ssp. *nothofageti*
G. patagonica
G. poeppigiana
Hymenophyllum flabellatum (unc)
H. multifidum
H. latum (unc)
H. rufescens (unc)
H. villosum
Hypolepis millefolium
Ophioglossum coriaceum agg.
Phymatosorus diversifolius (unc)
Polystichum vestitum
Pyttosia eleagnifolia (unc)
Schizaea australis

Sticherus cunninghamii (unc)

ORCHIDS

Aporostylis bifolia
Chiloglottis cornuta (unc)
Corybas trilobus ss.
Gastrodia cunninghamii (unc)
Microtis oligantha

Prasophyllum colensoi
Pterostylis venosa (unc)
Thelymitra cyanea
T. hatchii

GRASSES

Agrostis dyeri s.s.
A. muelleriana
A. sp. (i) (unnamed; aff. *A. dyeri*)
(panicle spreading, not contracted
as in *A. dyeri*)
A. personata

Chionochloa australis
C. cheesemani
C. conspicua ssp. *conspicua*
C. pallens ssp. *pallens*

C. rubra ssp. *occulta*
C. sp. (unnamed) (*C. flavescens*
auct. South Island, non *C.*
flavescens Zotov)
C. cheesemani X *C. conspicua*
(unc)
C. conspicua X *C. rubra* (unc)
Deschampsia novae-zelandiae
(unc)
D. tenella
Dexcoxia aucklandica

Elymus narduroides (unc)
E. sp. (aff. E. rectisetus) (unc)
Festuca sp. (i) (cf. *F. matthewsii*)
(plants tufted, but not tussock-forming,
glaucescous)
F. sp. (ii) (unnamed; aff. *F. rubra*)
Hierochloa novae-zelandiae
Koeleria cheesemani
Lachnagrostis sp. (unnamed;
included in *L. filiformis*, as
var. *semiglabra*, by Zotov 1965)
Microlaena avenacea

Poa breviglumis
P. cita ssp. *cita*
P. colensoi
P. sp. (i) (*P. novae-zelandiae* or *P. subvestita*)
P. sp. (ii) (unnamed; aff. *P. novae-zelandiae*)

Rytidosperma buchananii (unc)

R. gracile

R. nigricans

R. pulchrum (unc)

R. setifolium

Trisetum youngii

T. sp. (unnamed) (plants slender; lf sheath glabrous or nearly so)

SEDGES

Carex aciculatis

C. dallii

C. echinata var. (*C. stellulata* var. *australis*)

C. flaviformis

C. forsteri (unc)

C. gaudichaudiana

C. kirkii (unc)

C. libera

C. sinclairii

C. sp. (unnamed; aff. C. testacea)

(lvs up to 5mm wide, reddish; utricle margins not scabrid)

Catpha alpina s.s.

Eleocharis acuta

Gahnia procera

Isolepis aucklandica

I. habra

I. subtilissima

Oreobolus impari

O. pectinatus

O. strictus

Schoenus pauciflorus s.s. ("island form" of Edgar 1970, p. 194)

Uncinia clavata

U. divaricata

U. egmontiana

U. filiformis

U. fuscovaginata var. (plants glaucous)

U. nervosa s.s.

U. tubra

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

U. silvestris (incl. *U. affinis*)

U. zotovii

U. uncinata

U. sp. (unnamed) (*U. affinis* sensu

Hamlin 1959, non *U. riparia* var.

affinis Col. ex Clarke; see Nooteboom 1978)

RUSHES AND ALLIED PLANTS

Cantolipsis ciliata

Empodisma minus

Juncus antarcticus

J. gregiflorus (unc)

J. novae-zelandiae

Luzula colensoi

L. migrata

L. rufa s.s.

L. subclavata

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

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

Marsippospermum gracile

MONOCOT HERBS OTHER THAN / ORCHIDS, GRASSES, SEDGES, RUSHES

Astelia graminea

A. lineatis var. *lineatis*

A. nervosa s.s. (unc)

A. petriei

A. skottsbergii

A. sp. (i) (unnamed; aff. *A. nervosa*)
(lvs broad, not conspicuously
white adaxially as in *A. nervosa*)

A. sp. (ii) (unnamed; included in *A.*
nivicola, as var. *moiticeae*, by
Moore 1966)

Libertia ixioides (unc)

L. pulchella

Phormium cookianum

Potamogeton cheesemani

P. suboblongus

COMPOSITE HERBS

Abrotanella caespitosa

Anaphalis sp. (*Helichrysum bellidi-*
oides s.s.)

Brachyglottis sp. (unnamed; included
in *B. bellidioides*, as var. *crassa*, by
Nordenstam 1978)

Brachyscome radicata

Celmisca bellidioides

C. dallii

C. hieracifolia ssp.

C. incana (incl. *C. discolor*)

C. laticifolia

C. lateralis (incl. *C. l.* var. *villosa*)

C. montoi var. (*C. coriacea* var. *lanceifolia*)

C. petriei

C. sessiliflora

C. similis

C. sinclairii (incl. *C. allanii* & *C. duRoi*)

C. spectabilis ssp.

C. traversii

C. sp. (i) (unnamed; aff. *C. gracilentata*)
(plants strongly rhizomatous)

C. sp. (ii) (unnamed; aff. *C. gracilentata*)

(lvs linear to linear-lanceolate;
upper surface and margins
± thinly covered in tomentum;
plants tufted;

lower surface glabrous, exc. for
midrib)

C. spectabilis X *C. traversii* (Peterson
and Peterson, 1956)

Craspedia sp. (i) (unnamed; includ-
ed in *C. lanata*, as var. *elongata*,
by Allan 1961) (lvs white or greenish
white, both surfaces clad in cotton
hairs; fls white)

C. sp. (ii) (unnamed) (summit-green;
lvs green, both surfaces densely
clad in short glandular hairs < 0.3
mm long; margins ± faintly white
with cottony hairs, fls white)

Gnaphalium avdax

G. laterale

G. mackayi s.s.

G. paludosum s.s.

G. polylepis (unc)

G. wahinicum

Helichrysum filicaule

Lagenifera cuneata

L. pumila

L. strangulata

Leptinella sp. (i) (*L. pyretrofolia* agg)

L. sp. (ii) (unnamed; included in *L.*
squalida, as ssp. *mediana*, by
Lloyd and Webb, 1987)

Microseris scapigeta var.

Pseudognaphalium sp. (unnamed; aff.
Pluteoalbum) (lvs mostly linear-
spathulate to linear, acute)

Raoulia eximia var. (*R. rubra*)

R. glabra

R. grandiflora var. *grandiflora*

R. tenuicaulis (incl. *R. t.* var. *dimorpha*
and *R. t.* var. *pusilla*)
Senecio waitavensis
Taraxacum magellanicum

DICOT HERBS OTHER THAN COMPOSITES

Acaena ansethifolia
A. inermis
A. profundeincisa
A. ansethifolia x *A. inermis*
Aciphylla anomala

A. ferox
A. polita var. (plants more robust)
Anisotome aromatica
A. deltoidea
A. haastii
A. pilifera
Cardamine sp. (i) (*C. debilis* agg.)
("Glossy Leaf" of Pritchard 1957)
C. sp. (ii) (unnamed) (lvs mostly simple;
blades ± reniform)
C. sp. (iii) (undetermined)
Cheesemaniania latisiliqua (incl.
C. gibbsii)
Colobanthus canaliculatus
C. wallii (incl. *C. masoniae*)

Donatia novae-zelandiae
Drosera arcturi
D. spatulata
Epilobium brunnescens s.s.
E. chlorifolium
E. cockayneanum
E. glabellum s.s.
E. komarovianum
E. linnaeoides
E. margaretiae
E. pernitens
E. pycnostachyum
E. sp. (i) (unnamed; aff. *E. glab-*
ellum)

E. sp. (ii) (unnamed; included in
E. brunnescens, as ssp. *minuti-*
florum, by Raven and Engelm-
horn, 1971)

Euphrasia townsonii s.s.
E. zelandica agg.
E. sp. (i) (unnamed; aff. *E. laingii*)
E. sp. (ii) (unnamed; aff. *E. petriei*)
Forstera mackayi
F. tenella
F. sp. (unnamed) (lvs closely spaced,
not recurved, persisting well down
stem, becoming thin & translucent; costae
not apparent)
Galium perpusillum s.s.
Gentiana bellidifolia var.

G. gracilifolia (incl. *G. vernicosa*)
G. montana (incl. *G. m.* var. *stolonifera*,
G. patula, & *G. bellidifolia* var. *pulchella*)
G. spenceri (und)
G. sp. (i) (unnamed; aff. *G. corymbifera*)
G. sp. (ii) (unnamed; aff. *G. bellidifolia*)
(plants forming small to large patch-
es; stems decumbent; fls large,
creamy white)
Geranium sp. (aff. *G. microphyllum*)
Geum leiospermum
G. sp. (*G. parviflorum* agg.) (stock
short; terminal leaflet about as
long as broad; fls up to 13 mm
diam.)
Gingidia decipiens
Gonocarpus aggregatus
Gunnera dentata var. *dentata*
G. monoica

Hydrocotyle microphylla
H. sulcata
H. sp. (unnamed; included in *H.*
novae-zelandiae, as var.
montana, by Kirk 1899)
Hypsela sp. (unnamed) (minute
herb; fls 3 mm diam.; corolla
lobes narrowly lanceolate)

Jovellana repens
Kelleia dieffenbachii(?)
K. laxa
K. multiflora
K. tessellata

Lobelia roughii
Mentha cunninghamii

Neopaxia sp. (incl. *Montiacalycina* &
Claytonia australasica var. *bi-flora*)
Myosotis macrantha
M. sp. (unnamed; included in *M.*
pygmaea, as var. *dtucei*, by
Moore 1961) (unc)

→ *Myriophyllum pedunculatum* ssp. n. 3.

Nertera batfouriana

N. ciliata

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

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

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

Oreomythis colensoi s.s. (incl.

O.e. var. *hispida* and *O.e.* var.
multifida)

Oreostylidium subulatum

Ourisia caespitosa ssp. *caespitosa*

O. lactea ssp. *lactea*

O. macrocarpa ssp. *calycina*

O. simpsonii

Oxalis magellanica

Parahebe decora (unc)

P. lyallii

Phyllachne colensoi

Plantago raoulii

P. triandra s.s.

P. uniflora

Pratia angulata agg.
Ranunculus foliosus

R. insignis

R. membranifolius

R. verticillatus

Schizilema haastii s.s.

S. nitens

Scleranthus brockiei (unc)

Stellaria decipiens (incl. *S. parvi-*
flora)

Urtica incisa

Viola cunninghamii

V. filicaulis

V. lyallii

Wahlenbergia albomarginata
var. *albomarginata* (incl. *W.*
pygmaea var. *laxa*, *W. brockiei*,
and *W. simpsonii*)

ADVENTIVE SPECIES

GRASSES

Agrostis capillaris

Aira caryophylla

A. praecox

Anthoxanthum odoratum

Cynosurus cristatus (unc -
near hut)

Dactylis glomerata

(continued on next page)

Festuca nigrescens
Holcus lanatus
Poa annua

SEDGES

Carex ovalis

RUSHES

Juncus articulatus
J. effusus
J. tenuis (unc - neat hut)
J. sp. (small - undetermined)
Luzula congesta

COMPOSITE HERBS

Cirsium vulgare

Crepis capillaris
Hypochoeris radicata
Leontodon taraxacoides
Mycelis muralis
Taraxacum officinale s.l. (unc)

DICOT HERBS OTHER THAN COMPOSITES

Cerastium fontanum ssp. vulgare
Linum catharticum
Lotus pedunculatus (unc)
Rumex acetosella
Sagina plumbens
Trifolium dubium
T. repens

No. of indigenous spp.: 367.
No. of adventive spp.: 28.

Doubtful and erroneous records:

Brachyglottis cassinoides (Peterson & Peterson, 1956, as *Senecio cassinoides*)
"*Celmisia novae-zelandiae*" (Peterson & Peterson, 1956)
Forstera bidwillii (Peterson & Peterson, 1956)
Pseudopanax colensoi (Peterson & Peterson, 1956, as *Nothopanax colensoi* var. *montanum*)
Schizilema roughii (Peterson & Peterson, 1956)

REFERENCES

Allan, H.H. 1961: "Flora of New Zealand". Government Printer, Wellington. Vol. 1. 1055 pp.

Crookes, M. 1963:
and Tombs. 408 pp.

"New Zealand Ferns". Ed. 6. Whitcombe

Edgar, E. 1966: Luzula in New Zealand. N.Z. J. Bot. 4: 159-84.

——— 1970: In "Flora of New Zealand". Government Printer, Wellington. Vol. 2. 354 pp.

Franklin, D.A. 1962: The Ericaceae in New Zealand (Gauechea and Pernettya). Trans. R. Soc. N.Z. Bot. 1: 155-73.

Hackel, E. 1903: On new species of grasses in New Zealand. Trans. N.Z. Inst. 35: 377-85.

1 > Kirk, T. 1899: "The Students' Flora of New Zealand". Government Printer, Wellington. 408 pp.

3 > Moore, L.B. 1961: In "Flora of New Zealand". Government Printer, Wellington. Vol. 1. 1085 pp.

——— 1966: Australasian asteliads (Liliaceae). N.Z. J. Bot. 4:

2 > 201-40.

Peterson, J.; Peterson, G.. 1956: In search of Pittosporum dallii. Bull. Wellington bot. Soc. 28: 14-23.

Pritchard, G.G. 1957: Experimental taxonomic studies on species of Cardamine in New Zealand. Trans. R. Soc. N.Z. 85: 75-89.

Raven, P.H.; Engelhorn, T. 1971: New taxa and new combinations in Australasian Epilobium (Onagraceae). N.Z. J. Bot. 9: 345-50.

Wardle, P. 1968: The taxonomy and distribution of the stipulate species of Pseudopanax in New Zealand. N.Z. J. Bot. 6: 226-36.

Zotov, V.D. 1965: Grasses of the subantarctic islands of the New Zealand region. Rec. Dom. Mus. Wellington 5: 101-46.

1 > Hamlin, B.G. 1959: A revision of the genus Ulucinia (Cyperaceae - Caricoideae) in New Zealand. Dom. Mus. Bull. 19: 106 pp.

2 > Nootboom, H.P. 1978: A taxonomic revision of the Mallesian and Australian species of Ulucinia (Cyperaceae). Blumea 24: 511-20.

Nordanstam, B. 1978. Opera bot. 44: 1-84.

3 > Lloyd, D.G.; Webb, C.J. 1987: The reinstatement of Leptinella at generic rank, and the status of the 'Cotuleae' (Asteraceae, Anthemideae).

N.Z. J. Bot. 25: 99-105.