

HIGHER PLANTS (LYCOPODS, FERNS, GYMNOSPERMS, FLOWERING PLANTS) OF SOUTHERN HOPE RANGE†, N.W. NELSON,
1500-4080 FT / 450-1244 M

A.P. Druce, Botany Division, D.S.I.R., May 1982
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(Members of 1993 field party: Tony Druce, Peter Williams,
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† Highest point: Mt Hope, 1244 m, grid ref. NZMS 260

Rocks: granite

N28 770 510.
 (mid-point)

(unc) - uncommon or local
 (N) - seen only at north end of range, at foot of Lookout Ra.

INDIGENOUS PLANTS

GYMNOSPERM TREES AND SHRUBS

Dacrydium cupressinum
Halocarpus bidwillii
H. biformis
H. bidwillii X *H. biformis*
Lagarostrobos colensoi (unc)
Lepidothamnus intermedius
L. laxifolius
L. intermedius X *L. laxifolius*
Libocedrus bidwillii
Phyllocladus sp. (unnamed;
 aff. *P. alpinus*) ("lowland"
 ecotype of Wardle 1969)
Pedocarpus hallii
P. nivalis
P. hallii X *P. nivalis* (unc)

C. foetidissima
C. microcarpa
C. perpusilla ssp. *perpusilla*
C. propinqua ssp. *propinqua* (unc)
C. pseudocuneata ssp. (lvs narrower
 than in ssp. *pseudocuneata*)
C. thamnoides (incl. *C. polymorpha*)
C. sp. (i) (unnamed) (*C. parviflora* var.
dumosa sensu Allan 1961, non
C. p. var. dumosa Cheesem.)
C. sp. (ii) (unnamed; aff. *C. pseudo-*
cuneata) (low-growing shrubs
 with small, thick, arcuate lvs)
C. sp. (iii) (unnamed; included in *C.*
parviflora by Oliver, 1935, and
 others) (lf undersurface not
 minutely hairy as is usual in
C. parviflora; drupes usually
 unpigmented, occasionally
 purplish red)
Cyathodes dealbata (incl. *C.*
pumila)
C. empetrifolia
C. sp. (*C. juniperina* agg.) (lvs
 small, vs. < 1 cm X < 1 mm)
Dracophyllum longifolium var.
 (incl. *D. filifolium* and *D. oliveri*)
D. palustre
D. pronum (N)
D. traversii (incl. *D. pyramidale*)
 (unc)
D. uniflorum
D. longifolium X *D. palustre* (unc)

DICOT TREES AND SHRUBS

Arctostaphylos traversii (incl. *A. t.*
 var. *australis* (unc)
Aristotelia fruticosa var.
 (unc)
Brachyglottis bidwillii var.
viridis (unc) (N)
B. rotundifolia var. (incl. *B.*
bochananii and *B. cock-*
aynei) (unc)
Carpodetus serratus
Cassinia vauvilliersii
Coprosma cheesemani s.s.
C. colensoi s.s.
C. crenulata (unc, except at
 north end of range at foot
 of Lookout Ra.)

- Elaeocarpus hookerianus*
Epacris alpina
Exocarpus bidwillii
Fuchsia excorticata
Gaultheria antipoda
G. crassa (unc)
G. depressa s.s.
G. macrostigma (unc)
G. sp. (unnamed; included in
G. depressa, as var. *novae-*
zelandiae, by Franklin (1962)
G. crassa X *G. macrostigma* (unc)
G. crassa X *G. sp.* (unnamed) (unc)
G. macrostigma X *G. sp.* (un-
named) (unc)
Griselinia littoralis
Hebe canterburiensis
H. gracillima (unc)
H. salicifolia var. *salicifolia*
(unc)
H. tetragona var. (*H. coarctata*)
H. topiaria
H. sp. (*Leonohebe maseni*)
Kunzea ericoides agg. (unc)
Leptospermum scoparium (from
Hope scarp northwards)
Leucopogon fasciculatus var.
(juv. lvs not much broader than adult lvs)
L. fraseri s.s.
L. suaveolens (incl. *Cyathodes*
colensoi)
Metrosideros umbellata
Myrsine divaricata s.s.
N. nummularia
Neomyrtus pedunculata
Nothofagus fusca
N. solandri var. *cliffortioides*
N. solandri var. *solandri*
N. truncata
N. fusca X *N. solandri*
Olearia arborescens (unc)
O. lacunosa var. *lacunosa* (unc)
O. virgata var. *implicita* (incl. *O.*
virgata var. *divaricata* and *O.*
virgata var. *laxiflora*) (unc)
Pentachondra pumila
Pimelea oreophila (unc)
Pittosporum anomalum
P. divaricatum
P. rigidum var. (*P. crassicaule*)
Pseudopanax anomalus
P. colensoi s.s.
P. crassifolius
P. linearis
P. simplex (incl. *P. simplex* var.
sinclairii)
P. sp. (unnamed; included in *P.*
colensoi, as var. *ternatus*, by
Wardle (1968)
P. anomalus X *P. simplex* (unc)
Pseudowintera colorata
Weinmannia racemosa var. *racemosa*

DICOT LIANES AND RELATED

TRAILING PLANTS

- Muehlenbeckia axillaris* (unc)
Rubus cissoides var. ("form c"
of Allan 1964; leaflets broader
than in var. *cissoides*)

LYCOPODS

Lycopodium australianum
L. fastigiatum
L. scariosum
L. varium
L. volubile

FERNS

Asplenium flaccidum
Blechnum chambersii
B. colensoi
B. discolor
B. fluviatile agg.
B. minus (unc)
B. penna-marina
B. procerum
B. vulcanicum (unc)
B. sp(i) (unnamed) (lowland sp.;
 lower pinnae reduced in
 length)
B. sp(ii) (unnamed) (mountain sp.;
 lower pinnae not reduced in
 length) ("The Dunedin-Cass
 Variety" of Crookes 1963)
Cyathea colensoi
Gleichenia dicarpa
Grammitis billardiærei
G. givenii (unc)
G. magellanica ssp. *notho-*
fageti (unc)
G. poeppigiana (unc)
Histiopteris incisa (unc)
Hymenophyllum armstrongii
 (unc)
H. bivalve
H. demissum

H. flabellatum
H. malingii
H. minimum (unc)
H. multifidum
H. peltatum (unc)
H. rarum
H. villosum

Hypolepis millefolium (unc)
Polystichum vestitum (unc)
Schizaea australis (unc)
Sticheros cunninghamii (unc)

ORCHIDS

Adenochilus gracilis
Aporostylis bifolia
Caladenia carneæ agg.
C. lyallii (unc)
Chiloglottis cornuta
Corybas cryptanthus (unc)
C. rivularis s.s. (unc)
C. trilobus s.s.
Gastrodia cunninghamii (unc)
Lyperanthus antarcticus (unc)
Prasophyllum colensoi
Pterostylis isoniand (unc)
P. venosa (unc)
Thelymitra cyanea
T. decora (unc)
T. formosa (unc)
T. hatchii
T. longifolia

GRASSES

Agrostis dyeri s.s. (unc)
A. personata
A. sp. (unnamed; aff. *A. dyeri*) (panicle)

- spreading, not contracted as in *A. dyeri*)
- Chionochloa australis*
- C. conspicua* ssp. *conspicua* (unc)
- C. rubra* ssp. *occulta*
- C. australis* X *C. rubra* (unc)
- C. rubra* X *C. sp.* (unnamed; *C. flavescens* auct. South Island, non *C. flavescens* Zotov) (unc)
- Deschampsia tenella* (unc)
- Deyeuxia aucklandica*
- D. avenoides* (incl. *D. a.* var. *brachyantha*)
- Hierochloa recurvata* (unc)
- H. radolens* (unc)
- H. novae-zelandiae*
- Lachnagrostis* sp. (unnamed; included in *L. filiformis*, as var. *semiglabra*, by Zotov 1965)
- Microlaena avenacea*
- M. colensoi* (unc) (N)
- Poa breviglumis* (unc)
- P. colensoi*
- Rytidosperma gracile*
- R. nigricans*
- R. setifolium* (unc)
- R. sp.* (undetermined) (unc)
- C. sinclairii*
- C. sp.* (i) (unnamed; aff. *C. dissita*) (plants smaller than in *C. dissita*) (unc)
- C. sp.* (ii) (unnamed; aff. *C. coriacea*) (lvs slender, bright green)
- Carpha alpina* s.s.
- Gahnia procera*
- Isolapis aucklandica*
- I. caligenis* (unc)
- I. habra*
- I. subtilissima*
- Oreobolus pectinatus*
- O. strictus*
- Schoenus pauciflorus* s.s. ("slender form" of Edgar 1970, p. 194) (unc)
- Uncinia divaricata*
- U. filiformis* (unc)
- U. fuscovaginata* var. (plants glaucous)
- U. involuta*
- U. nervosa* s.s.
- U. rupestris* (incl. *U. angustifolia*)
- U. uncinata*
- U. zotovii*
- U. sp.* (unnamed; aff. *U. nervosa*) (plants more slender than in *U. nervosa*; see Edgar 1970, p. 231)

SEDGES

- Carex aciculatis*
- C. breviculmis* (unc)
- C. cockayneana* (unc)
- C. echinata* var. (*C. stellulata* var. *australis*)
- C. gaudichaudiana*
- C. libera*

RUSHES AND ALLIED PLANTS

- Centrolepis ciliata*
- Empodisma minus*
- Gaimardia setacea*

- Juncus antarcticus*
- J. novae-zelandiae*
- J. pusillus*
- Luzula colensoi* (unc)
- L. picta* s.s.
- L. subclavata*
- L. sp.* (unnamed; included in *L. picta*, as var. *limosa*, by Edgar 1966)

- C. similis*
- C. spectabilis* ssp.
- C. similis* x *C. spectabilis* (unc)
- Craspedia* sp. (plants summer-green, in carpetgrass and bogs; lvs green, recurved; lamina ± folded, narrowing ± abruptly to long slender petiole; both surfaces (cont. on p.9)
- Gnaphalium laterale* (unc)
- G. mackayi* s.s.

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

- Astelia linearis* var. *linearis*
- A. nervosa* s.s.
- Libertia pulchella* (unc)
- Luzuriaga parviflora* (unc)
- Phormium cookianum*

- G. paludosum* s.s.
- Helichrysum filicaule* (unc)
- Lagenifera cuneata*
- L. strangulata*
- Leptinella* sp. (unnamed; included in *L. squalida*, as ssp. *mediana*, by Lloyd and Webb, 1987) (unc)
- Raoulia glabra*
- R. grandiflora* var. *grandiflora*
- R. subsericea* (unc)
- Senecio minius* (unc)
- S. waitavensis* (unc)

COMPOSITE HERBS

- Abrotanella caespitosa*
- Anaphalis* sp. (*Helichrysum bellidioides* s.s.)
- Brachyglottis* sp. (unnamed; included in *B. bellidioides*, as var. *crassa*, by Nordenstam 1978)
- Celmisia alpina* s.s.
- C. dallii* (unc, near Mt Hope)
- C. hieracifolia* ssp.
- C. incana* (incl. *C. discolor*)
- C. lateralis* (incl. *C. l.* var. *villosa*) (unc, except at north end of range at foot of Lookout Ra.)
- C. monroi* ssp. (*C. semicordata* var. *semicordata*)
- C. petriei* (unc)

DICOT HERBS OTHER THAN COMPOSITES

- Acaena anserinifolia* (unc)
- A. inermis* (unc)
- A. profundeincisa* (unc)
- Anisotome aromatica*
- Colobanthus apetalus* (incl. *C. apetalus* var. *alpinus*) (unc)
- Coprosma talbotkiae* (unc)
- Donatia novae-zelandiae*
- Drosera arcturi*
- D. spathulata*
- D. stenopetala* (unc)

- Epilobium alsinoides* s.s. (unc)
E. brunnescens s.s. (unc)
E. cockayneanum
E. pernitens
E. sp. (unnamed; included in *E. brunnescens*, as ssp. *minutiflorum*, by Raven and Engelman, 1971) (unc)
Euphrasia townsonii
Forstera mackayi
F. tenella
Gentiana montana (incl. *G. m. var. stolonifera*, *G. patula*, and *G. bellidifolia var. pulchella*)
G. spencei
Geranium sp. (unnamed; aff. *G. microphyllum*)
Gonocarpus aggregatus
G. micranthus ssp. *micranthus*
G. montanus (unc)
Hydrocotyle microphylla (unc)
H. moschata (unc)
Hypericum japonicum agg. (unc)
Kelleria diffenbachii (unc)
K. laxa
K. tessellata
Liparophyllum gunnii
Montia fontana s.s.
Nacpaxia sp. (incl. *Montia calycina* and *Claytonia australasica var. biflora*) (unc)
Nerteta balfouriana
N. ciliata
N. depressa (incl. *N. cunninghamii*)
N. sp. (unnamed; aff. *N. dichondrifolia*) (hairs present on both surfaces of lf, straight, not hooked as in *N. dichondrifolia*)
Oreomyza colensoi s.s. (incl. *O. c. var. hispida* and *O. c. var. multifida*)
Oreostylidium subulatum
Ouzisia lactea ssp. *lactea*
O. caespitosa var. gracilis (unc)
O. sp. (unnamed) (plants creeping, prostrate, forming extensive patches on damp banks beside streams in beech forest; lf lamina upto 1 x 1 cm)
Oxalis magellanica
Plantago uniflora
Pratia angulata agg.
Psychrophila novae-zealandiae (unc)
Schizeilema colensoi (unc)
S. nitens (unc)
Stachyosia minima
Stellaria decipiens (incl. *S. parviflora*)
Utricularia novae-zealandiae
Viola cunninghamii
V. filicaulis
Wahlenbergia albomarginata var.

ADVENTIVE PLANTS

GYMNOSPERM TREES

- **Abies sp.* (juv.) (unc)
Pinus contorta (juv.) (unc)
 **Pseudotsuga menziesii* (juv.) (unc)

* all plants seen were removed

GRASSES

- Agrostis capillaris
- Anthoxanthum odoratum (unc)
- Holcus lanatus (unc)
- Festuca nigrescens (unc)
- Poa trivialis (unc)

RUSHES

- Juncus articulatus (unc)
- J. conglomeratus
- J. effusus

COMPOSITE HERBS

- Cirsium vulgare (unc)
- Heliacium caespitosum (unc)
- H. pilosella (unc)
- Hypochaeris radicata
- Mycelis muralis (unc)
- Taraxacum officinale s.l. (unc)

DICOT HERBS OTHER THAN COMPOSITES

- Cerastium fontanum ssp. vulgare (unc)
- Epilobium obscurum (unc)
- Rumex acetosella (unc)
- Sagina procumbens (unc)
- Trifolium repens (unc)

No. of indigenous species: 280.

No. of adventive species: 22.

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(cont. from p. 7 - Craspedia sp.)
 clad in long multicellular, non-glandular hairs, with or without cottony tips, over short glandular hairs; margins faintly white with cottony hairs; fls white)

