

HIGHER PLANTS (GYMNOSPERMS, LYCOPODS, FERNS, FLOWERING PLANTS) OF MT BALDY<sup>1</sup> AND MT SODOM<sup>2</sup>, SOUTHERN ARTHUR RANGE, NORTH-WEST NELSON  
4200-5150 FT (1280-1565 M)

→ <sup>1</sup>Ghd ref. S19 968173, alt. c. 5050 ft (1535m)  
<sup>2</sup>Ghd ref. S19 990200, alt. c. 5150 ft (1565m)

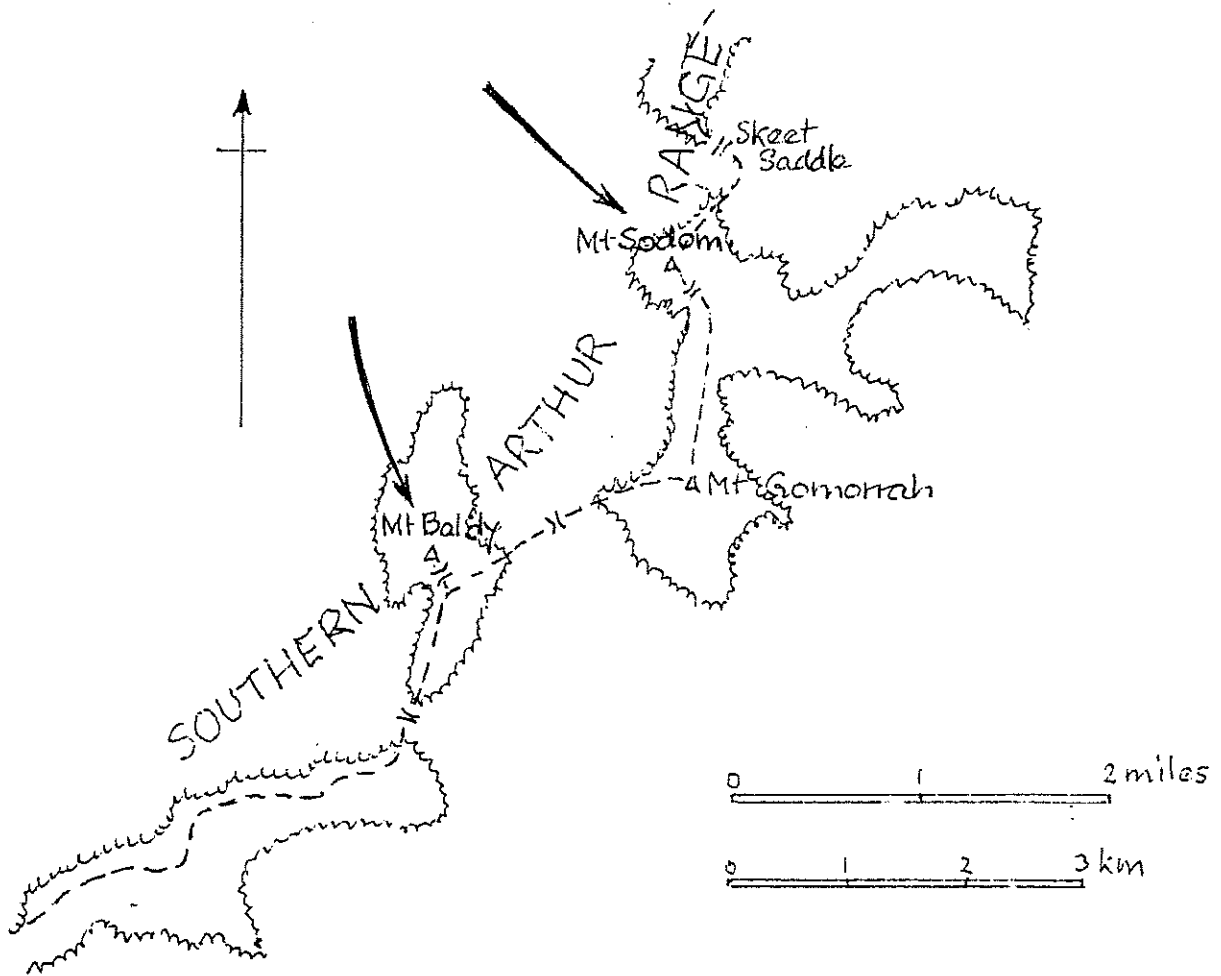
A.P. Druce, Botany Division, D.S.I.R., April 1982

(tensed Sept 1982, June 1983, June 1984,

Based on visits March 1982 and Feb. 1990

Oct. 1986,  
June 1988,  
Nov. 1988,  
June 1990,  
June 1991,  
Aug. 1992,  
Aug. 1993)

Rocks: predominantly indurated sandy limestone (Summit Limestone)



B - seen on Mt Baldy

S - seen on Mt Sodom

unc - uncommon

### INDIGENOUS PLANTS

#### GYMNOSPERM TREES AND SHRUBS

*Lepidothamnus laxifolius* (unc B, S)

*Phyllocladus alpinus* agg. (unc B)

*Podocarpus nivalis* (B, S)

#### DICOT TREES

*Dracophyllum traversii* (incl. *D. pyr-  
amidale*) (B, S)

*Hoheria lyallii* var. (*H. glabrata*) (B)

*Nothofagus manziesii* (B, S)

*Pseudopanax simplex* (incl. *P. s. var.  
sinclairii*) (unc S)

*P. sp.* (unnamed; included

in *P. colensoi*, as var. *ford-  
ensis* and as var. *ternatus*, by

Wardle 1968) (unc B, unc S)

#### DICOT SHRUBS

*Arctostaphylos traversii* (incl. *A. t. var.  
australis*) (unc S)

*Anastelia fruticosa* var. (B, S)

*Brachyglottis bidwillii* var. *viridis*  
(unc B, unc S)

*B. greyi* (incl. *B. laxifolia*) (unc B)

*Cassinia vauvilliersii* (unc S)

*Coprosma atropurpurea* (B, S)

*C. cheesemani* ss. (B, S)

*C. ciliata* ssp. *ciliata* (B, S)

*C. depressa* (B, S)

*C. propinqua* ssp. *propinqua* (B, S)

*C. parpusilla* ssp. *parpusilla* (B, S)

*C. pseudocuneata* ssp. (unc S)

*C. rugosa* ssp. *rugosa* (unc B, unc S)

*C. serrulata* (unc B, unc S)

*C. sp. (i)* (unnamed) (*C. parviflora*

var. *dumosa* sensu Allan 1961; non

*C. p. var. dumosa* Cheeseman)

(unc B, unc S)

*C. sp. (ii)* (unnamed; aff. *C. pseudo-  
cuneata*) (low-growing shrubs with  
small, thick, arcuate lvs) (unc S)

*C. sp. (iii)* (unnamed) (prostrate shrubs

lvs plano-convex, linear; drupes  
orange) (B, S)

*C. sp. (iv)* (unnamed; aff. *C. colensoi*)  
(low-growing shrubs with trail-  
ing branches) (unc S)

*Cornelia plumosa* (unc S)

*C. sarmentosa* (unc S)

*Cyathodes dealbata* (incl. *C.  
pumila*) (unc B, S)

*Dracophyllum longifolium* var.  
(incl. *D. filifolium* + *D. oliveri*)  
(B, S)

*D. uniflorum* (B, S)

*Gaultheria crassa* (unc S)

*G. depressa* ss. (unc B, unc S)

*G. rupestris* (incl. *G. subcorymbosa*)  
(unc S)

\* 2 forms present: one with few hairs, the other with many hairs on the lvs

G. sp. (unnamed; included in G. depressa, as var. novae-zelandiae, by Franklin 1962) (B, S)  
 Hebe canterburicensis (B, S)

Pentachondra pumila (B, S)  
 Pimelea oreophila (B, S)\*  
 P. prostrata (S)  
 Pittosporum anomalum (unc B, unc S)  
 Traversia baccharoides (B)

H. haastii var. (aff. var. humilis; see Moore 1961, p. 940) (B, S)

DICOT LIANES AND RELATED

H. macrantha var. brachyphylla (B, S)

TRAILING PLANTS

H. tetragona var. (H. coarctata) (unc S)

Clematis forsteri (unc B)

H. topiaria (B, S)

Muehlenbeckia axillaris (B, S)

H. vernicosa (S)

M. a. x M. australis (B)

H. sp. (aff. H. glaucophylla) (B, S)

LYCOPODS

Helictysum intermedium var. (B, S)

Lycopodium australianum (unc B, unc S)

H. i. x Anaphalis sp. (H. bellidioides s.s.) (unc S)

L. fastigiatum (B, S)

L. scariosum (unc S)

Leucopogon fraseri s.s. (B, S)

FERNS

L. suaveolens (incl. Cyathodes edansoy) (B, S)

Asplenium lyallii (unc B)

Melicytus sp. (i) (unnamed) (B, S)

A. sp. (unnamed; aff. A. trichomanes) (unc B)

M. sp. (ii) (unnamed; aff.

Blechnum fluviatile agg. (S)

M. alpina; prostrate

B. penna-marina (B, S)

hermaphrodite shrubs; branches

B. procerum (unc S)

up to 40cm long, often rooting;

B. sp. (unnamed) (mountain

lvs linear-oblong; fr white) (unc B)

sp.; lower pinnae not reduced in length)† (B, S)

Myrsine divaricata s.s. (B, S)

Cystopteris tasmanica (B, S)

M. nummularia (unc B, S)

Grammitis magellanica ssp.

Olearia lacunosa var. lacunosa (B, S)

notkofagei (unc S)

G. patagonica (B, S)

O. nummularifolia var. (lvs distinctly

G. poeppigiana (B, S)

longer than broad, rather than suborbicular as in var. nummularifolia) (B, unc S)

Hymenophyllum sp. (cf. H. villosum) (S)

Hypolepis millefolium (B, S)

Leptopteris superba (unc S)

Ophioglossum coriaceum agg. (unc B, unc S)

† ("The Dunedin-Cass Variety" of Crookes 1963)

Polystichum cystostegia (unc B)  
P. vestitum (B, S)

### ORCHIDS

Caladenia lyallii (unc S)  
Chiloglottis cornuta (unc S)  
Corybas macranthus (unc B, unc S)  
C. thilobus s.s. (S)  
Microtis oligantha (unc S)  
Prasophyllum colensoi (B, S)  
Pterostylis venosa (unc B)  
P. sp. (unnamed; aff. P. cycnocephala)  
(unc S)

### GRASSES

Elymus anysii (B)  
Esp. (aff. E. rectisetus) (plants glaucous;  
awns 4-6 cm long) (B, S)  
Agrostis dyeri s.s. (B, S)  
A. personata (unc B, S)  
A. sp. (unnamed; aff. A. dyeri)  
(panicle not contracted as in A. dyeri) (B, S)

Chionochloa australis (B, S)  
C. conspicua ssp. conspicua (B, S)  
C. pallens ssp. pallens (B, S)  
C. sp. (unnamed) (C. flavescens auct.  
South Island, non C. flavescens  
Zotov (B, S))

Deschampsia tenella (unc B, S)  
Festuca sp. (aff. F. matthewsii) (tufted,  
but not tussock-forming, glaucous)  
(B, S)

Hierochloa novae-zelandiae (unc B, S)  
Lachnagrostis sp. (unnamed;  
included in L. filiformis, as var  
semiglabra, by Zotov 1965) (B, S)  
Microlaena colensoi s.s. (unc B, S)  
Poa breviglumis (B, S)  
P. calsa (unc B, unc S)  
P. cita ssp. cita (B)  
P. colensoi (B, S)  
P. imbecilla (unc B)  
P. kitkii (unc S)  
P. maia (S)  
P. sp. (P. novae-zelandiae or  
P. subvestita) (B, S)

Rytidosperma gracile (unc S)  
R. nigricans (unc B, S)  
R. setifolium (B, S)  
Trisetum youngii (unc B, unc S)  
T. sp. (i) (unnamed) (plants slender;  
lf sheath vs. glabrous) (B, S)  
T. sp. (ii) (unnamed, included in  
T. antarcticum, as ssp. tenellum  
by Petrie 1912) (unc B, S)  
T. sp. (iii) (unnamed; aff. T. antarcticum)  
(unc S)

## SEDGES

- Carex acicularis* (B,S)  
*C. comans* (B)  
*C. anysii* (unc B)  
*C. libera* (unc S)  
*C. pyrenaica* var. *cephalotes* (unc B)  
*C. wakatipu* s.s. (B,S)  
*C. sp. (i)* (unnamed; aff. *C. testacea*)  
 (lvs us. reddish; utricles margins  
 not scabrid) (unc B)  
*C. sp. (ii)* (unnamed; aff. *C. wakatipu*)  
 (us. smaller than *C. wakatipu*;  
 utricles dark brown to black) (B,S)  
*C. sp. (iii)* (unnamed) (lvs green,  
 stiff, erect; stigmas 3) (B,S)  
*C. sp. (iv)* (unnamed) (lvs us. recurved;  
 stigmas 3) (unc B)  
*C. sp. (v)* (unnamed; aff. *C. coriacea*) (unc B)  
*Catpha alpina* s.s. (B,S)  
*Oreobolus impar* (S)  
*O. pectinatus* (B,S)  
*O. strictus* (unc B, unc S)  
*Schoenus pauciflorus* s.s. ("slender  
 form" of Edgar 1970, p. 194) (B,S)  
*Uncinia caespitosa* var. (S)  
*U. divaricata* (B,S)  
*U. filiformis* (S)  
*U. fuscovaginata* var. (plants  
 glaucous) (B,S)  
*U. involuta* (unc B,S)  
*U. nervosa* s.s. (unc B, unc S)  
*U. uncinata* (unc S)  
*U. rupestris* (incl. *U. angustifolia*) (unc S)  
*U. sp.* (unnamed) (*U. affinis*  
 sensu Hamlin 1959, non *U.*  
*hiparia* var. *affinis* Col. ex  
 Clarke) (B)

## RUSHES AND ALLIED PLANTS

- Juncus novae-zelandiae* (unc S)  
*Luzula migrata* (unc B,S)  
*L. picta* s.s. (unc S)  
*L. sp.* (unnamed; included in *L. picta*,  
 as var. *limosa*, by Edgar 1966)  
 (unc B,S)

## MONOCOT HERBS OTHER THAN

### ORCHIDS, GRASSES, SEDGES,

## RUSHES AND ALLIED PLANTS

- Atthropodium candidum* (unc S)  
*Astela graminea* (B,S)  
*A. linearis* var. *linearis* (unc B,S)  
*A. nervosa* s.s. (B,S)  
*A. nivicola* s.s. (unc B, unc S)  
*A. petriei* (B,S)  
*A. skottsbergii* (S)  
*A. sp.* (unnamed; included in *A.*  
*nivicola*, as var. *moticeae*, by  
 Moore 1966) (unc S)  
*Bulbinella hookeri* (B)  
*Libertia peregrinans* (unc S)  
*Phormium cookianum* (B,S)

## COMPOSITE HERBS

- Abrotanella linearis* s.s. (B,S)  
*Anaphalis sp.* (*Melichthysum bell. s.s.*) (B,S)  
*Brachyglottis sp.* (B,S)  
*Brachyscome radicata* (unc S)  
*B. sinclairii* s.s. (B,S)  
*Celmisia dallii* (unc B,S)  
*C. lineana* (incl. *C. discolor*) (unc B,S)  
*C. laticifolia* (unc B,S)  
*C. montoi* ssp. (B,S)  
*C. petrei* (B,S)

*C. spectabilis* ssp. (B, S)

*C. traversii* (unc B)

*Craspedia* sp. (i) (unnamed; included in *C. lanata*, as var. *elongata*, by Allan 1961) (B, S)

*C. sp. (ii)* (unnamed) (summer-green; lvs elliptic-spathulate, green, both surfaces clad in non-glandular, multicellular

hairs; margins faintly to distinctly white with cottony hairs; fls white) (B)

*C. sp. (iii)* (unnamed) (summer-green; lvs elliptic-spathulate, green, both surfaces densely clad in short glandular

hairs < 0.3 mm long; midrib with or without long non-glandular hairs; margins ± faintly white with cottony hairs; fls white) (B, S)

*Gnaphalium audax* (S)

*G. mackayi* s.s. (unc B, unc S)

*G. vahanicum* (B, S)

*Lagenifera strangulata* (S)

*Leptinella* sp. (unnamed; included in *L. squalida*, as var. *mediana*, by Lloyd and Webb, 1987) (B, S)

*Microseris scapigera* var. (B, S)

*Pseudognaphalium* sp. (unnamed; aff. *P. luteoalbum*) (mountain sp.; lvs mostly oblong-spath. to nrw oblong, rounded) (unc B, unc S)

*Raoulia glabra* (B, S)

*R. grandiflora* var. *grandiflora* (S)

*Senecio glaucophyllus* ssp. *glaucophyllus* (B, S)

*S. waitavensis* (B, S)

*Taraxacum magellanicum* (B, S)

DICOT HERBS OTHER THAN

COMPOSITES

*Acaena anseriniifolia* (B, unc S)

*A. profunde incisa* (B, S)

*Aciphylla ferox* (B, S)

*Anemone tenuicaulis* (B)

*Anisotome aromatica* (B, S)

*A. deltoidea* (S)

*A. filifolia* (unc B, unc S)

*A. haastii* (unc S)

*A. pilifera* (B, S)

*Cardamine* sp. (i) (*C. debilis* agg.) (plants slender, much-branched; lvs small; fls small) (B)

*C. sp. (ii)* (unnamed) (lvs mostly simple; blade ± reniform) (B, S)

*C. sp. (iii)* (*C. debilis* agg.) (cf. "Long Style" of Pritchard 1957) (S)

- (incl. *C. gibbsii*) *E. sp. (i) (unnamed; aff. E. petrici)* 7  
 (corolla pure white) (B)  
*Cheesemannia latisiliqua* (B, S) *Forstera mackayi* (S)  
*Colobanthus affinis* (B, unc S) *F. tenella* (B, S)  
*C. canaliculatus* (B, S) *Galium perpusillum* s.s. (B, S)  
*C. wallii* (incl. *C. masoniae*) (unc B, unc S) *Gentiana bellidifolia* (B, S)  
*C. sp. (unnamed)* (lvs and sepals *G. filipes* (unc B, S)  
 strongly acicular; lvs unbordered; *G. gracilifolia* (incl. *G. vernicosa*) (B, S)  
 sepals 5, broader than lvs, without *G. sp. (unnamed; aff. G. corym-*  
 a thickened midrib) (unc B, unc S) *bifera*) (unc B, S)  
*C. canaliculatus* X *C. wallii* (unc S) *Geranium sp. (aff. G. microph.)* (B, S)  
 { *Kallera dieffenbachii* (unc B, unc S) } *Geum leiospermum* (unc B)  
 { *K. laxa* (unc B, S) } *G. sp. (G. parviflorum agg.)* (stock  
 { *K. multiflora* (unc B, S) } short; terminal leaflet about  
*Epilobium chlorifolium* (B, S) as long as broad; fls up to  
 13 mm diam.) (B, S)  
*E. cockayneanum* (B, S) *Gingidia decipiens* (B, S)  
*E. elegans* (unc S) *G. montana* (unc B)  
*E. glabellum* s.s. (B, S) *Hydrocotyle microphylla* (B)  
*E. gracilipes* (B, S) *H. moschata* (unc B)  
*E. margaretae* (unc B) *H. sp. (unnamed; included in*  
*E. pernitens* (unc S) *H. novae-zeelandiae*, as var.  
*E. pubens* (unc B) *montana*, by Kirk 1899) (B, S)  
*E. vernicosum* (B, S) *Hypericum japonicum* agg. (unc S)  
*E. sp. (unnamed; included in E.* *Mentha cunninghamii* (B)  
*brunnescens*, as ssp. *minuti-* *Myosotis brockiei* (unc B)  
*florum*, by Raven and Engal- *M. macrantha* (B, S)  
*horn*, 1971) (B, S) *M. sp. (i) (M. australis agg.)* (fls  
 small, white) (unc S)  
*Euphrasia cheesemanii* (B) *M. sp. (ii) (unnamed; included*  
*E. townsonii* s.s. (unc B, S) in *M. pygmaea*, as var. *drucei*,  
 by Moore 1961) (B, S)  
*E. zelandica* agg. (corolla 4-5 mm *Nertera ciliata* (B, S)  
 wide) (unc B, unc S) *N. sp. (unnamed; aff. N. dichondti-*  
*E. sp. (i) (unnamed; aff. E. laingii)* *folia*) (lvs present on both surfaces  
 (unc B, S) of lf, straight, not hooked) (S)

- Notothlaspi sp. (*N. australe* auct., non *Thlaspi australe* Hook. f.) (B, S)
- Oreomyrrhis colensoi s.s. (incl. *Scleranthus brockiei* (unc B, S))
  - O.c. var. *hispida* and O.c. var. *multifida* (B, S)
  - O. sp. (unnamed; aff. *O. ramosa*) (B, S)
- Oreoporphera alpina (B)
- Ourisia lactea ssp. *lactea* (B, S)
- Oxalis exilis (unc B)
- O. magellanica (B, S)
- Parahеbe linifolia ssp. *linifolia* (B)
- P. lyallii (B)
- Phyllachne clavigera (incl. *P. colensoi*) (B, S)
- Plantago lanigera s.l. (incl. *P. n. 3.*) (unc B, S)
- P. raoulii (B, S)
- Stellaria decipiens (incl. *S. parviflora*) (unc B, S)
- Urtica incisa (B, S)
- Viola cunninghamii (B, S)
- V. lyallii (B)
- Wahlenbergia albomarginata var. *albomarginata* (incl. *W. pygmaea* var. *laxa* and *W. brockiei*) (B, S)

ADVENTIVE PLANTS  
(see p. 9)

- Pratia angulata agg. (B, S)
- Psychrophila novae-zealandiae (unc B, S)
- Ranunculus altus (unc B)
- R. foliosus (unc S)

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- R. insignis (B, S)
- R. membranifolius (unc B, unc S)
- R. mirus (B, S)
- R. verticillatus (unc B, S)

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



ADVENTIVE PLANTS

GRASSES

- Agrostis capillaris (B, unc S)
- Dactylis glomerata (B)
- Poa annua (B, unc S)
- P. pratensis (B)

SEDGES

- Carex ovalis (B)

RUSHES

- Juncus conglomeratus (unc S)
- J. effusus (B)

COMPOSITE HERBS

- Cirsium arvense (B)
- C. vulgare (B)
- Hieracium pilosella (unc B, unc S)
- H. sp. (unc B, unc S)
- Hypochoeris radicata (B, S)

- Mycelis muralis (B, S)
- Senecio jacobaea (unc B)
- Taraxacum officinale s.l. (unc B)

DICOT HERBS OTHER THAN COMPOSITES

- Cerastium fontanum ssp. vulgare (B, S)
- Digitalis purpurea (B)
- Linum catharticum (S)
- Sagina procumbens (B, unc S)
- Stellaria media (B)
- Trifolium repens (B, S)
- Veronica arvensis (B)

No. of adventive species: 22.  
(20 on Baldy, 11 on Sodom)

No. of indigenous species: 267.  
(212 on Baldy - 42 confined there;  
225 on Sodom - 55 confined there;  
170 seen on both mountains)

