

INDIGENOUS HIGHER PLANTS (LYCOPODS, QUILLWORTS, FERNS, GYMNOSPERMS, FLOWERING PLANTS) OF MTS COBB<sup>1</sup>, PROSPECT<sup>2</sup>, RANDOLF<sup>3</sup> AND MYLTON<sup>4†</sup>, PEEL R.A., N.W. NELSON, 3500-5650 FT/1060-1720 M

<sup>1</sup> Grid ref. S13 921 558, alt. c. 5625 ft/1710 m

<sup>2</sup> Grid ref. S13 940 536, alt. c. 5550 ft/1685 m

→ <sup>3</sup> Grid ref. S13 939 520, alt. c. 5650 ft/1720 m

<sup>4</sup> Grid ref. S13 990 493, alt. c. 5000 ft/1520 m

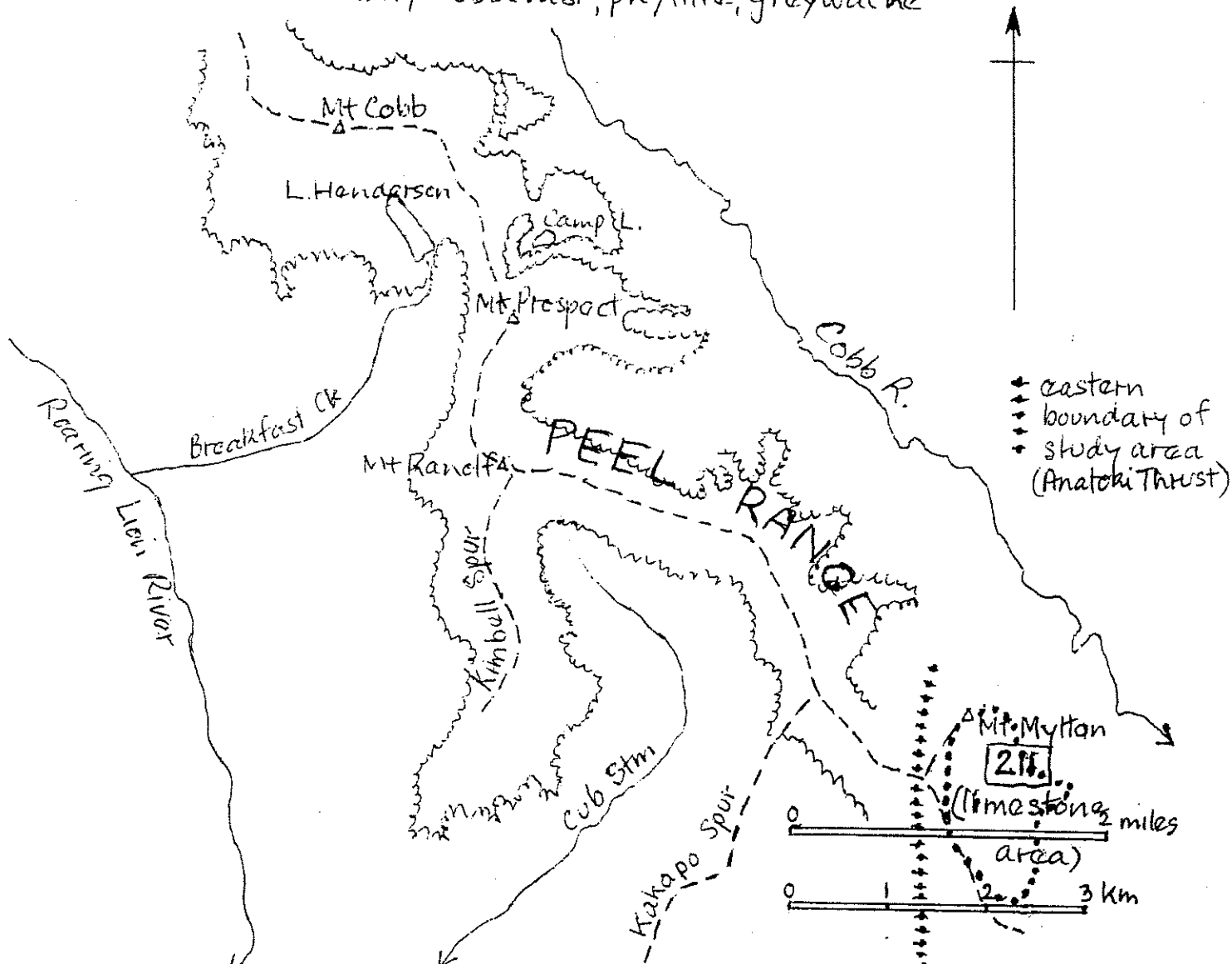
† excluding limestone area (for which see LIST 211)

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(Revised Sept. 1982, June 1983, June 1984, Nov. 1984, June 1986, Aug. 1986, Oct. 1986, June 1988, Sept. 1990, June 1991, Aug. 1992, Aug 1993)

(Based on visits Jan. 1980, Nov. 1980, March 1982, Dec. 1985, April 1986)

Rocks: mainly schist, phyllite, graywacke



(unc) - uncommon or local

**GYMNOSPERM TREES AND SHRUBS**

Halocarpus bidwillii  
 H. biformis  
 Lepidothamnus laxifolius  
 Phyllocladus alpinus agg.

Podocarpus nivalis

**DICOT TREES**

Dracophyllum traversii (incl. D. pyramidale)  
 Elaeocarpus hookerianus  
 Grisebinia littoralis  
 Hoheria lyallii var. (H. glabrata)  
 Nothofagus menziesii  
 N. solandri var. cliffortioides  
 Pseudopanax simplex (incl. P. s. var. sinclairii)  
 P. sp. (unnamed; included in P. colensoi, as var. fiordensis and as var. ternatus, by Wardle 1968)

**DICOT SHRUBS**

Arctostaphylos traversii (incl. A. t. var. australis)  
 Aristotelia fruticosa var.

Brachyglottis adamsii  
 B. bidwillii var. viridis  
 B. rotundifolia var. (incl. B. buchananii & B. cockaynei) (unc)  
 Cassinia vauvilliersii

Coprosma atropurpurea (unc)

C. cheesemanii ss.

C. ciliata ssp. ciliata

C. colensoi ss.

C. crenulata (unc)

C. depressa

C. foetidissima

C. petpusilla ssp. petpusilla

C. pseudocuneata ssp.

C. serrulata (unc)

C. sp. (i) (unnamed; aff. C. pseudocuneata) (low-growing shrubs with small, thick, arcuate lvs)

C. sp. (ii) (unnamed) (C. parviflora var. dumosa sensu Allan 1961, non C. p. var. dumosa Cheeseman)

C. sp. (iii) (unnamed; included in C. parviflora by Oliver, 1935, and others) (If undersurface not minutely hairy as in C. parviflora; drupes vs. unpigmented, occ. purplish red)

- C.sp. (iv) (unnamed; aff. *C. colensoi*)  
(low-growing shrubs with trailing branches) (unc)
- C. cheesemani* X *C. ciliata* (unc)
- Cyathodes dealbata* (incl. *C. pumila*)
- C. empetrifolia*
- C. sp.* (*C. juniperina* agg.) (lvs small, us. < 1 cm x < 1 mm)
- Dracophyllum longifolium* var. (incl. *D. filifolium* and *D. oliveri*)
- D. pubescens* var. *pubescens*
- D. uniflorum*
- Gaunttheria crassa*
- G. depressa* ss.
- G. sp.* (unnamed; included in *G. depressa*, as var. *novae-zelandiae*, by Franklin 1962)
- G. crassa* X *G. nobicola* (unc)
- G. macrostigma* X *G. sp.* (unnamed) (unc) (unc)
- Hebe albicans* var. *albicans* (unc)
- H. canterburiensis*
- H. ciliolata*
- H. cockayneana* var.
- H. haastii* var. (aff. var. *humilis*; see Moore 1961, p. 940)
- H. mactantha* var. *brachyphylla*
- H. odora* s.s.
- H. tetragona* var. (*H. coarctata*)
- H. topiaria*
- H. sp.* (*Leonhebe masoniae*\*)
- Helichrysum intermedium* var. (unc)
- Leucopogon fasciculatus*
- L. fraseri* ss.
- L. suaveolens* (incl. *Cyathodes colensoi*)
- Meliccytus sp.* (i) (unnamed)
- M. sp.* (ii) (unnamed; aff. *M. alpinus*) (prostrate hermaphrodite shrubs; branches up to 40 cm long, often rooting; lvs linear-oblong; fr white) (unc)
- Myrsine divaricata* ss
- M. nummularia*
- Olearia colensoi* var. *colensoi* (unc)
- O. lacunosa* var. *lacunosa*
- O. nummularifolia* var. (lvs distinctly longer than broad, rather than suborbicular as in var. *nummularifolia*) (unc)
- Pentachondra pumila*
- Pimelea oteophila*
- Pittosporum anomalum* (unc)
- Pittosporum rigidum* var. (*P. crassicaule*)
- Traversia baccharoides* (unc)

## DICOT LIANES AND RELATED

### TRAILING PLANTS

- Muehlenbeckia axillaris*
- M. a.* X *M. australis* (unc)

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

**LYCOPODS AND QUILLWORTS**

*Lycopodium australianum*  
*L. fastigiatum*  
*L. scariosum*  
*Isoetes alpinus*

**FERNS**

*Asplenium flabellifolium* agg. (unc)  
*A. flaccidum*  
*Blechnum fluviatile* agg.  
*B. pennina-marina*  
*B. procerum*  
*B. sp. (unnamed)* (mountain sp.;  
 lower pinnae not reduced in  
 length) ("The Dunedin-Cass  
 Variety" of Crookes 1963)  
*Cystopteris tasmanica* (unc)  
*Grammitis billardierei*  
*G. poeppigiana*  
*Histiopteris incisa* (unc)  
*Hymenophyllum multifidum*  
*H. villosum*  
*Hypolepis millefolium*  
*Ophioglossum coriaceum* agg. (unc)  
*Polystichum cystostegia* (unc)  
*P. vestitum*  
*Schizaea australis*

**ORCHIDS**

*Aporostylis bifolia*  
*Caladenia lyallii*  
*Chiloglottis cornuta*

*Corybas trilobus* ss.  
*Prasophyllum colensoi*

**GRASSES**

*A. dyeri* ss.  
*A. muelleriana*  
*A. parsonata*  
*A. sp. (unnamed; aff. A. dyeri)*  
 (panicle not contracted as in  
*A. dyeri*)  
*Chionochoa australis*  
*C. cheesemani* (unc)  
*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. australis* X *C. pallens* (unc)  
*Deschampsia novae-zelandiae*  
*D. tenella*  
*Deyeuxia aucklandica*  
*Festuca sp. (aff. F. matthensii)* (tufted,  
 but not tussock-forming, glaucous)  
 (unc)  
*Heterochloa novae-zelandiae*  
*H. recurvata* (unc)

*Koeleria cheesemanii* (unc)  
*Lachnagrostis lyallii* s.s. (incl. *L.*  
*filiformis* var. *semiglabra*)  
*L.* sp. (i) (*L.* Henderson)  
*L.* sp. (ii) (unnamed) (awn short or absent)  
*Microlaena colensoi* s.s.  
*Poa breviglumis*  
*P. calsa*  
*P. colensoi*  
*P. dipsacea* (unc)  
*P. kirkii*  
*P. maia*  
*P. novae-zelandiae*  
*P. subvestita*

### SEDGES

*Carex acicularis*  
*C. echinata* var. (*C. stellulata* var. *australis*)  
*C. flaviformis* (unc)  
*C. gaudichaudiana* (unc)  
*C. libera* (unc)  
*C. pyrenaica* var. *cephalotes*  
*C. sinclairii*  
*C. wakatipu* s.s. (unc)  
*Carpha alpina* s.s.  
*Eleocharis acuta* (unc)  
*Gahnia procera*  
*Isolepis aucklandica*  
*I. habra*  
*Oreobolus pectinatus*  
*O. strictus* (unc)  
*Schoenus pauciflorus* s.s. (= "slender  
form" of Edgar 1970, p. 194)

*Rytidosperma gracile*  
*R. nigricans* (unc)  
*R. setifolium*  
*Simplicia buchananii* (unc)  
*Trisetum youngii*  
*T.* sp. (i) (unnamed) (plants slender;  
lf sheath glabrous or nearly so)  
*T.* sp. (ii) (unnamed; included in *T.*  
*antarcticum*, as ssp. *tenellum*,  
by Petrie 1912)

*Uncinia astonii*  
*U. caespitosa*  
*U. clavata*  
*U. divaricata*  
*U. drucei* (unc)  
*U. filiformis*  
*U. fuscovaginata* var. (glaucous)  
*U. longiflorus* (unc)  
*U. nervosa* s.s. (unc)  
*U. silvestris* (incl. *U. affinis*)

U.sp. (unnamed) (U. affinis  
Hamlin 1959, non U. hiparia var.  
affinis Col. ex Clarke)

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

Bulbinella hookeri (unc)

Libertia pulchella

Luzuriaga parviflora

Phormium cookianum

Potamogeton cheesemanii

P. suboblongus (unc)

### RUSHES AND ALLIED PLANTS

Centrolepis ciliata

Gaimardia setacea

Juncus antarcticus (unc)

J. novae-zelandiae

J. pusillus (unc)

Luzula colensoi

L. migrata

L. subclavata (unc)

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

L. colensoi x L. migrata (unc)

Marsippospermum gracile

### COMPOSITE HERBS

Abrotanella caespitosa (unc)

A. linearis s.s.

A. pusilla (unc)

Anaphalis sp. (Helichysum bellidioides s.s.)

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

Brachyscome radicata

Celmisia alpina (unc)

C. bellidioides (unc)

C. gibbsii

C. hieracifolia ssp.

C. incana (incl. C. discolor)

C. laticifolia

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

C. montoi ssp. (C. coriacea  
var. lancifolia)

C. tupestris

C. sessiliflora

C. similis (unc)

C. sinclairii (incl. C. callanii & C. durietzii)

### MONOCOT HERBS OTHER THAN ORCHIDS

#### GRASSES, SEDGES, RUSHES

Arrhropodium candidum (unc)

Astelia graminea

A. linearis var. linearis

A. nervosa s.s.

A. nivicola s.s.

A. petrici

A. skottsbergii

- C. spectabilis* ssp.  
*C. traversii*  
*C. sp.* (unnamed; aff. *C. gracilenta*)  
 (plants strongly rhizomatous) (unc)  
*C. similis* x *C. spectabilis* (unc)  
*Craspedia* sp.(i) (unnamed) (plants  
 summer-green; lvs linear-lanceolate,  
 up to 12 x 0.6 cm, vs. less, green to white,  
 thinly to densely clad in cottony  
 hairs; scapes up to 25 cm, vs. < 15 cm  
 fls white) (L. Henderson)  
*C. sp.* (ii) (unnamed) (plants summer-  
 green; lvs green, both surfaces  
 densely clad in multicellular,  
 non-glandular hairs, margins  
 ± white with cottony hairs; fls white)  
*C. sp.* (iii) (plants summer-green; lvs  
 green, both surfaces sparsely clad  
 in hairs, or almost glabrous; fls  
 white)  
*C. sp.* (iv)

- Dolichoglottis scorzoneroides*  
*Graphalium mackayi* s.s.  
*G. paludosum* s.s. (unc)  
*G. polylepis* (Camp L. - unc)  
*G. vahanicum* (unc)

- Haastia sinclairii* s.s.  
*Lagenifera pinnatifida* (unc)  
*L. strangulata*  
*Leptinella pyrethriifolia* agg.

- L. sp.* (unnamed; included in  
*L. squalida*, as ssp. *mediana*, by Lloyd  
 and Webb, 1987)  
*Leucogenes grandiceps*  
*Microseris scapigera* var.  
*Raoulia eximia* var. (*R. rubra*)  
*R. glabra* (unc)  
*R. grandiflora* var. *grandiflora*  
*Senecio waitavensis*  
*Taraxacum magellanicum*

#### DICOT HERBS OTHER THAN COMPOSITES

- Acaena fissistipula* (unc)  
*A. profunde incisa*  
*Aciphylla anomala*  
*A. colensoi* var. *colensoi*  
*A. ferox*  
*A. polita* var.  
*A. sp.* (unnamed; aff. *A. glaucescens*) (unc)  
*Anisotome aromatica*  
*A. deltoidea*  
*A. haastii*  
*A. pilifera*  
*A. sp.* (i) (unnamed; included in  
*A. imbricata*, as var. *prostrata*,  
 by Dawson 1961) (unc)  
*A. sp.* (ii) (unnamed) (turf-forming  
 in seepages; infls up to 5 cm  
 tall)

- Cardamine sp.* (i) (*C. debilis* agg.)  
 (cf. "Long Style" of Pritchard 1957)  
*C. sp.* (ii) (unnamed) (lvs mostly  
 simple; blade ± reniform) (unc)

- C. sp. (iii)* (aff. *C. corymbosa*) (L. Henderson) (horn, 1971)  
*C. sp. (iv)* (unnamed) ("Scree Race" of Pritchard 1957) *E. sp. (ii)* (unnamed; aff. *E. glabellum*)  
*Euphrasia revoluta*  
*C. sp. (v)* (*C. debilis* agg.) (cf. "Tussock Race" of Pritchard 1957) *E. townsonii* ss.  
*E. sp.* (unnamed; aff. *E. laingii*)  
*Cheesemani* *latisiliqua* (incl. *C. gibbsii*) (unc) *Forstera mackayi*  
*F. sediifolia*  
*F. tenella* (unc)  
*Colobanthus acicularis* (unc) *Galium perpusillum* ss.  
*C. affinis* ss. (unc) *Gentiana bellidifolia*  
*C. apetalus* (incl. *C. a. var. alpinus*) (unc)  
*C. canaliculatus* (unc) *G. gracilifolia* (incl. *G. vernicosa*)  
*C. wallii* (incl. *C. masoniae*) (unc) *G. montana* (incl. *G. m. var. stolonifera*, *G. patula*, and *G. bellidifolia* var. *pulchella*)  
*C. sp.* (unnamed; aff. *C. buechananii*) (Mts Cobb, Prospect - Ranolf) (unc) *G. spenceri*  
*Crassula sinclairii* (unc) *G. sp. (i)* (unnamed)  
*Donatia novae-zeelandiae* *G. sp. (ii)* (unnamed; aff. *G. corymbifera*)  
  
*Drosera arcturi* *Geranium sp.* (aff. *G. microphyllum*)  
*D. spatulata* (unc) *Geum leiospermum* (unc)  
*Epilobium brunnescens* ss. (unc) *G. uniflorum*  
*E. chlorifolium* *G. sp.* (*G. parviflorum* agg.) (stock short; terminal leaflet about as long as broad; fls up to 13mm diam.)  
*E. cockayneanum*  
*E. komarovianum* (unc) *Gingidia decipiens*  
*E. macropus* (unc) *Gonocarpus aggregatus* (unc)  
*E. margaretiae* *G. micranthus* ssp. *micranthus* (unc)  
*E. pernitens*  
*E. porphyrium* (unc) *Girardiola nana* (unc)  
*E. tubromarginatum* (unc) *Hydrocotyle sulcata*  
*E. tasmanicum* (unc) *H. sp.* (unnamed;  
included in *H. novae-zeelandiae*,  
as var. *montana*, by Kirk (1899)  
*E. sp. (j)* (unnamed; included in *E. brunnescens*, as ssp. *minutiflorum*, by Raven and Engel-



- Hypsela* sp. (unnamed) (minute herb; fls 3mm diam.; corolla lobes narrowly lanceolate) (L. Henderson)
- O. sessilifolia* ssp. *sessilifolia*  
*O. simpsonii*
- Kelleria dieffenbachii*  
*K. laxa* (unc)  
*K. multiflora*
- Lilaeopsis rufiana* (unc)
- Limosella lineata* (unc)
- Mitrasacme novae-zealandiae* (unc)
- Montia fontana* s.s.
- Neopaxia* sp. (incl. *Montia calycina* ?  
*Claytonia australasica* var. *bi-flora*)
- Myosotis lyallii* (incl. *M. l.* var. *townsonii*  
 and *M. alderi*) (unc)  
*M. macrantha* (unc)  
*M. sp. (i)* (unnamed; included in *M. pygmaea*, as var. *drucei*, by Moore 1961) (unc)  
*M. sp. (ii)* (*M. australis* agg.) (fls small, white)
- Myriophyllum pedunculatum* ssp. n.z.  
*M. triphyllum* (unc)
- Nettaria balfouriana*  
*N. ciliata*  
*Notothlaspi* sp. (*N. australe* auct.)
- Oreomyrrhis colensei* s.s. (incl. *O. c.* var. *hispida* and *O. c.* var. *multifida*)  
*O. sp.* (unnamed; aff. *O. ramosa*) (unc)
- Oreostylidium subulatum* (unc)
- Ourisia caespitosa* ssp. *caespit.*  
*O. lactea* ssp. *lactea*
- Oxalis magellanica*  
*Parakebe cheesemani* (unc)  
*P. decora* (unc)  
*P. lyallii* (unc)  
*Phyllachne clarigera* (incl. *P. colensei*)  
*Plantago lanigera* s.l. (incl. *P. n.z.*)  
*P. raoulii*  
*P. triandra* s.s. (L. Henderson)  
*P. uniflora*  
*Pratia angulata* agg.  
*P. macrodon* s.s. (unc)  
*Psychrophila novae-zealandiae*  
*Ranunculus altus*  
*R. foliosus*  
*R. glabrifolius* (unc)  
*R. insignis*  
*R. verticillatus*  
*R. sp.* (unnamed; aff. *R. foliosus*) (L. Henderson)

*Schizæilema haastii* s.s.  
*S. nitens*

*Scleranthus uniflorus* (unc)

*Stellaria decipiens* (incl. *S. parviflora*)

*S. gracilentia*

*Urtica incisa*

*Viola cunninghamii*

*V. lyallii* (unc)

*Wahlenbergia albomarginata*  
var. *albomarginata* (incl. *W. pygmaea* var. *laxa* & *W. brockiei*)

No. of species: 340.

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