

INDIGENOUS HIGHER PLANTS (LYCOPODS, QUILLWORTS, FERNS, GYMNOSPERMS, FLOWERING PLANTS) OF MT LUNA¹ AND LUNA LAKE² AREA, S. ARTHUR RA., N.W. NELSON, 3000-5261 FT (900-1600M)

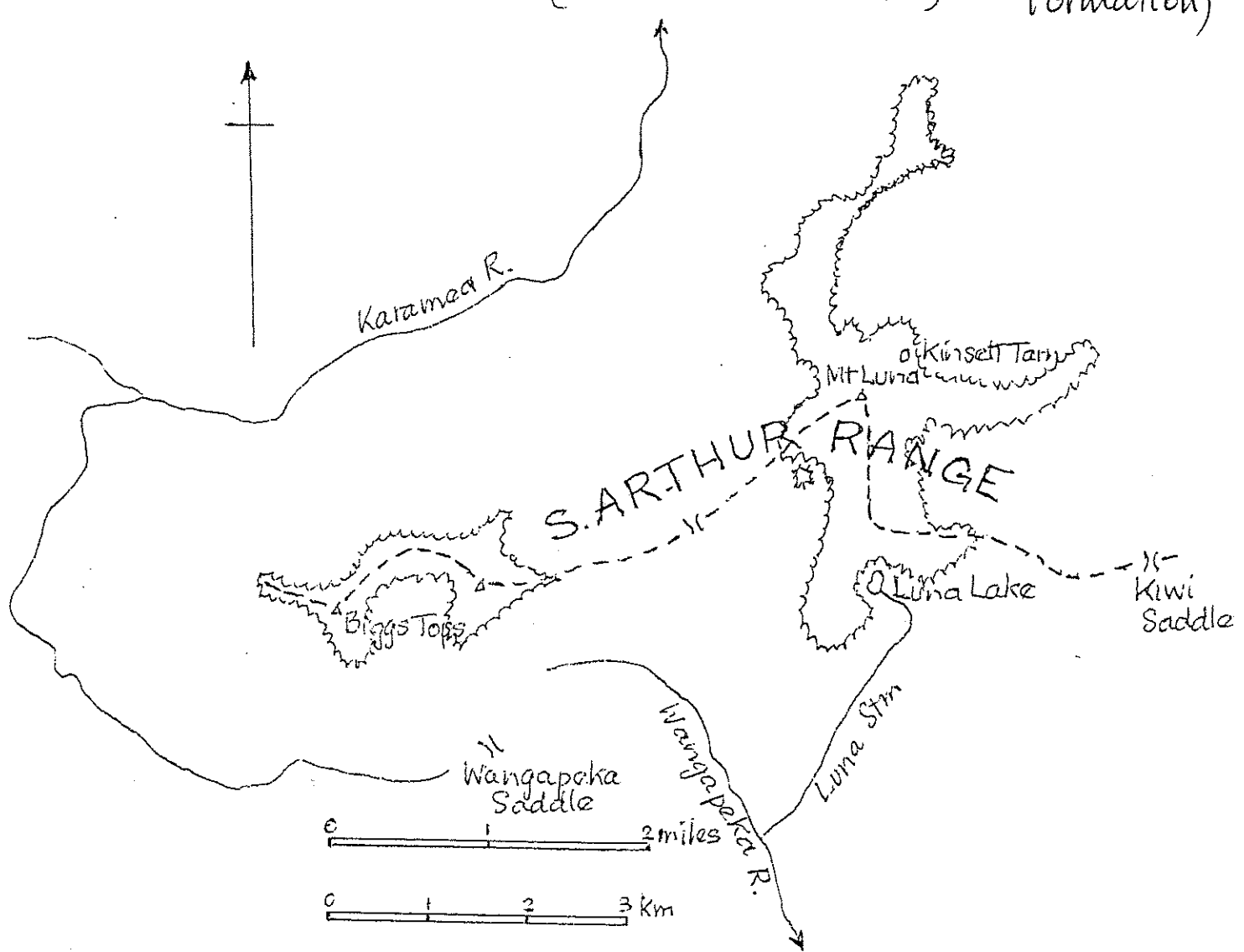
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May 1982 (revised Sept 1982 June 1984
June 1983 July 1986
July 1983 Aug 1986

→ ¹ Grid ref. 817/18 880159, alt. c. 5350 ft June 1988
² Grid ref. 817/18 881139, alt. c. 4100 ft Nov. 1988
July 1990
June 1991

(Based on visits Jan. 1971, Jan 1974, Feb 1982) Aug 1992
June 1993)

Rocks: sandstone and phyllite (Roaring Lion Formation)
(no calcareous rocks)



(unc) - uncommon or local

GYMNOSPERM TREES AND SHRUBS

Lepidothamnus laxifolius
Libocedrus bidwillii (unc)
Phyllocladus alpinus agg.

Podocarpus hallii
P. nivalis

Brachyglottis bidwillii var. *viridis*
B. rotundifolia var. (incl. *B. buch-ananii* and *B. cockaynei*) (unc)
Cassinia vauvilliersii

Coprosma cheesemani s.s.
C. ciliata ssp. *ciliata*
C. colensoi s.s.

DICOT TREES

Dracophyllum traversii (incl. *D. pyramidale*)

Griselinia littoralis

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

Nothofagus fusca

N. menziesii

N. solandri var. *cliffortioides*

Pseudopanax linearis

P. simplex (incl. *P. s.* var. *sinclairii*)

P. sp. (unnamed; included in *P. colensoi*, as var. *fiordensis* and as var. *ternatus*, by Wardle 1968)

C. crenulata (unc)

C. depressa

C. foetidissima

C. perpusilla ssp. *perpusilla*

C. pseudoconceata ssp.

C. serrulata

C. sp. (i) (unnamed; aff. *C. colensoi*) (low-growing shrubs with trailing branches) (unc)

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

C. sp. (iii) (unnamed; aff. *C. pseudoconceata*) (low-growing shrubs with small, thick, arcuate lvs)

C. sp. (iv) (unnamed; included in *C. parviflora* by Oliver, 1935, and others) (If undersurface minutely hairy as in *C. parviflora*; drupes vs. unpigmented, occ. purplish red)

DICOT SHRUBS

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

Anastotelia frutescens var. (unc)

Cyathodes dealbata (incl. C. pumila)

Dracophyllum longifolium var.
(incl. D. filifolium & D. oliveri)

D. pubescens var. pubescens

D. uniflorum var. uniflorum

Exocarpus bidwillii (unc)

Gaultheria crassa

G. depressa s.s.

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

G. rubicola (unc)

Hebe canterburiansis

H. ciliolata

H. cochayneana var. (unc)

H. macrantha var. brachyphylla (unc)

H. tetragona var. (H. coarctata)

H. topiaria

Helictysom intermedium var.

Leucopogon fraseri s.s.

L. suaveolens (incl. Cyathodes/
colensoi) (unc)

Melicytus sp. (unnamed)

Myrsine divaricata s.s.

M. nummularia

Olearia colensoi var. colensoi

O. ilicifolia var. (unc)

O. lacunosa var. lacunosa

O. nummularifolia var. (lvs dis-
tinctly longer than broad, rather
than suborbicular as in var. num)

Pentachondra pumila

Pimalea oreophila

Pittosporum rigidum var. (P. crassi-
caule)

Pseudopanax anomalus

Pseudowintera colorata

Traversia baccaroides (unc)

DICOT LIANES AND RELATED

TRAILING PLANTS

Muehlenbeckia axillaris

M. australis X M. axillaris (unc)

Rubus cissoides var. (leaflets
broader than in var. cissoides)

LYCOPODS AND QUILLWORTS

Lycopodium australianum

L. fastigiatum

L. scarosum

Isoetes alpinus

FERNS

Asplenium flaccidum

Blechnum fluviatile agg.

B. penna-marina

B. procerum

B. sp. (unnamed)

(mountain sp.; lower pinnae
not reduced in length) ("The
Dunedin-Cass Variety of
Crookes 1963")

- Cyathea colensoi
- Cystopteris tasmanica (unc)
- Grammitis billardierei
- G. magellanica ssp. nothofageti
- G. patagonica (unc)
- G. poeppigiana
- Histiopteris incisa
- Hymenophyllum flabellatum
- H. multifidum
- H. pettatum
- H. ratum
- H. rufescens
- H. villosum
- Hypolepis millefolium
- Leptopteris superba
- Paesia scaberula (unc)
- Polystichum cystostegia
- P. vestitum
- P. cystostegia x P. vestitum (unc)

ORCHIDS

- Adenochilus gracilis (unc)
- Aporostylis bifolia
- Caladenia lyallii
- Chiloglottis cornuta
- Corybas macranthus (unc)
- C. trilobus s.s.
- Gastrodia cunninghamii (unc)
- Prasophyllum colensoi

GRASSES

- Elymus sp. (aff. E. rectisetus)
(lvs ± glaucous; awns 4-6cm long)
- Agrostis dyeri s.s.
- A. muelleriana (unc)
- A. personata
- A. sp. (unnamed; aff. A. dyeri)
(panicle broad, not contracted)
- Chionochloa australis
- C. conspicua ssp. conspicua
- C. pallens ssp. pallens
- C. tubra ssp. occulta
- C. sp. (unnamed) (C. flavescens
auct. South Island, non C. flavescens Zetov)
- C. tubra x C. sp. (unnamed) (unc)
- Deschampsia novae-zelandiae (unc)
- D. tenella
- Deyeuxia aucklandica
- Festuca sp. (i) (unnamed; aff.
F. tubra) (unc)
- F. sp. (ii) (aff. F. matthewsii) (tufted, but
not tussock-forming, glaucous)
- Hierochloa novae-zelandiae
- Lachnagrostis lyallii s.s.
(incl. L. filiformis var.
semiglabra)

Microlaena avenacea

M. colensoi s.s.

Poa breviglumis

P. celsa

P. cita ssp. *cita*

P. colensoi

P. kirkii

P. maia

P. subvestita

Rytidosperma gracile

R. setifolium

Trisetum youngii

T. sp. (unnamed) (plants slender;
lf sheath vs. glabrous; lf blade up
to 2.5mm wide, margins smooth)

Carpha alpina s.s.

Oreobolus impar

O. pectinatus

O. strictus

Schoenus pauciflorus s.s.

Isolepis aucklandica

I. habra

Uncinia caespitosa var.

U. clavata

U. divaricata

U. drucei (unc)

U. filiformis

U. fuscovaginata var. (plants glaucous)

U. gracilentata

U. involuta

U. longifructus (unc)

U. nervosa s.s.

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

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

U. uncinata

SEDGES

Carex acicularis

C. echinata

C. gaudichaudiana

C. libera (unc)

C. sinclairii

C. trachycarpa

C. wakatipu s.s.

C. sp. (unnamed; aff. *C. testacea*)
(vs broader than in *C. testacea*,
vs. reddish; uticle margins not
scabrid)

RUSHES

Juncus novae-zelandiae

J. pusillus (unc)

Luzula colensoi (unc)

L. migrata

L. traversii s.s. (unc)

L. sp. (i) (unnamed; included

in *L. picta*, as var. *limosa*, by

Edgar 1966)

L.sp.(ii) (unnamed; included in L.
crinita, as var. petricana,
Edgar 1966) (unc)
Marsippospermum gracile (unc)

MONOCOT HERBS OTHER THAN

ORCHIDS, GRASSES, SEDGES, RUSHES

Astelia graminea

A. linearis

A. nervosa s.s.

A. nivicola s.s.

A. petrici (unc)

A. skottsbergii

A. sp. (unnamed; aff. *A. nervosa*)

(lvs broad, not conspicuously white
adaxially as in *A. nervosa*)

Libertia pulchella

Phormium cookianum

Potamogeton cheesemani (unc)

COMPOSITE HERBS

Abrotanella linearis s.s.

A. pusilla (unc)

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

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

Brachyscome radicata

C. alpina s.s.

C. bellidioides

C. dallii

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

C. laricifolia

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

C. montoi ssp. (*C. coriacea* var. *lanatifolia*)

C. petrici (unc)

C. sessiliflora

C. similis

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

C. spectabilis ssp.

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

C. sp. (ii) (unnamed; aff. *C. gracilentata*)
(plants tufted; lvs linear to linear-
lanceolate; upper surface and
margins thinly covered in
tomentum; lower surface densely
covered)

C. similis X *C. spectabilis* (unc)

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

C. sp. (ii) (unnamed) (plants summer-
green; lvs elliptic-spathulate,
green, both surfaces densely
clad in non-glandular
multicellular hairs; margins
faintly to distinctly white
white with cottony hairs; fls white)

Dolichoglottis scorzoneroides

Gnaphalium audax (unc)

G. mackayi s.s.

G. vahanicum

Lagenifera cuneata (unc)

L. pinnatifida (unc)

L. strangulata

Leptinella pyrrhifolia agg.
L. sp. (unnamed; included in *L.*
squalida, as ssp. *mediana*, by
Lloyd and Webb, 1957)

Leucogenes grandiceps (unc)
Microseris scapigera var.
Raoulia eximia var. (*R. rubra*)
R. glabra
R. grandiflora var. *grandiflora*
Senecio waitavensis
Taraxacum magellanicum

DICOT HERBS OTHER THAN

COMPOSITES

Acaena inermis (incl. *A. micro-*
phylla var. *robusta*) (unc)

A. profunde incisa

Aciphylla anomala

A. colensoi var. *colensoi*

A. ferox (unc)

A. polita var.

Anisotome aromatica

A. deltoidea

A. haastii

A. pilifera (unc)

A. sp. (unnamed; included in *A.*
imbricata, as var. *prostrata*, by
Dawson 1961)

Cardamine sp. (i) (unnamed) ("Screa
Race" of Pritchard 1957)

C. sp. (ii) (unnamed) ("Tussock Race"
of Pritchard 1957)

C. sp. (iii) (undetermined)

C. sp. (iv) (unnamed) (lvs mostly simple
blade \pm reniform) (unc)

Cheesemania latifolia (incl.
C. gibbsii) (unc)

Colobanthus affinis

C. canaliculatus (unc)

C. sp. (unnamed; aff. *C. buechanani*
(unc))

Donatia novae-zelandiae

Drosera arcturi

D. spatulata

D. stenopetala

Epilobium brunnescens ss.

E. chlorifolium

E. cockayneanum

E. glabellum s.s.

E. pernitens

E. rubromarginatum

E. sp. (i) (unnamed; aff. *E. glabellum*)
(unc)

E. sp. (ii) (unnamed; included in
E. brunnescens, as ssp. *minuti-*
florum, by Raven & Engelman, 1971)
(unc)

Euphrasia chaesemanii (unc)

E. townsonii s.s.

Forstera mackayi

F. sedifolia s.s. (unc)

F. tanella

Galium perpusillum s.s.

Gentiana bellidifolia

G. sp. (i) (unnamed; aff. G. corymbosa)
G. gracilifolia (incl. G. vernicosa)
G. montana (?)

G. sp. (ii) (unnamed; aff. G. bellidifolia) †

G. sp. (iii) (unnamed; included in G. bellidifolia, as var. australis, by Pathe in Cheeseman 1925) (unc)

Geranium sp. (aff. G. microphyllum)

Geum leiospermum

G. uniflorum

G. sp. (G. parviflorum agg.) (stock short; terminal leaflet about as long as broad; fls up to 13 mm diam.)

Glossostigma elatinooides (unc)

Gonocarpus micranthus (unc)

Gratiola nana (?) (Luna Lake)

Hydrocotyle microphylla

H. sulcata (unc)

H. sp. (unnamed; included in H. novae-zeelandiae, as var. montana, by Kirk 1899)

Kelleria laxa

K. multiflorus

Lilaeopsis ruthiana

Mazus radicans (unc)

Mantha cunninghamii

Neopaxia sp. (incl. Montia calycina and Claytonia australasica var. biflora)

Myosotis macrantha (unc)

M. sp. (M. australis agg.) (fls small, white) (unc)

Myriophyllum pedunculatum ssp. novae-zeelandiae (unc)

M. propinquum (unc)

Nertera balfouriana

N. ciliata

N. sp. (unnamed; aff. N. dichondrifolia) (hairs present on both surfaces of lf, straight, not hooked as in N. dichondrifolia)

Oreomyrrhis colensoi s.s. (incl. O. c. var. hispida and O. c. var. multifida)

Ourisia caespitosa ssp. caespitosa

O. lactea ssp. lactea

O. sessilifolia ssp. sessilifolia

O. simpsonii

Oxalis magellanica

Parahabe chaesemanii s.s.

P. lyallii

† (plants perennial; forming small to large patches; stems decumbent; lvs very glossy, folded, tips ± deflexed; fls large, creamy white)

- Phyllachne clavigera
- Plantago lanigera s.l. (incl. P. n.z.)
- P. uniflora
- Pratia angulata ass.
- Psychrophila novae-zealandiae
- Ranunculus cheesemanii var. cheesemanii
- R. foliosus

- R. insignis
- R. verticillatus

- Schizeilema haastii s.s.
- Scleranthus brockiei (unc)
- S. uniflorus
- Stellaria decipiens (incl. S. parviflora)
- Viola filicaulis
- V. lyallii
- Wahlenbergia albomarginata var. albomarginata (incl. W. pygmaea var. laxa ^{and} W. brockiei)

No. of species: 303.

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Record not accepted

Aciphylla aurea (Oliver 1956)

