

(190)

INDIGENOUS HIGHER PLANTS (LYCOPODS, FERNS, GYMNO-  
SPERMIS, FLOWERING PLANTS) OF SURVILLE CLIFFS AND  
ADJACENT CLIFF TOPS, NORTH CAPE AREA, SL. TO 180 M

→ N 02 123 563

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May 1979

(revised June 1979, June 1980, Oct. 1983, June 1985, July 1985,  
June 1986, Dec. 1989, Aug. 1990, June 1991, March 1992, May 1992,  
Rocks: ultramafic May 1993)

Based on visit April 1979, and unpublished list of  
W.D.Burke; additions and corrections by P.delange,  
Dec. 1990, Feb. 1992

Originally published in Tane 25: 187-206

(unc) — uncommon

(W.D.B) — W.D.Burke list (unpublished)

\* — not listed by Wheeler (1963), or Beever  
and Jane (1967), from either "cliff"  
communities" or "plateau scrub"

◊ — probably not on ultramafic rocks

## GYMNOSPERM TREES AND SHRUBS

*Phyllocladus* sp. (unnamed; aff. *P. trichomanoides*) (phylloclades longer than in *P. trichomanoides*, up to 2x as long as broad)

\**C. neglecta* × *C. rhamnoides*

\**C. repens* × *C. rhamnoides* (unc) \**Cotaria arborea* (W.D.B.)

*Corokia cotoneaster* var. (plants prostrate to suberect) (prostrate plants become suberect in cultivation)

## MONOCOT TREES AND SHRUBS

\**Cordyline australis* (unc)  
*C. banksii* (unc)

*Cotynocarpus laevigatus* (unc)

[DICOT TREES, SHRUBS, AND LIANES]

\**Brachyglossis repanda* s.s.  
\**Cassinia leptophylla* var. *leptophylla* (Carse 1930 and Thomson 1974, as *C. retorta*)

*Cyathodes* sp. (*C. juniperina* agg.) (lvs > 1cm x > 1mm, up to 1.5cm x 2.5 mm)

\**C. l. var. leptophylla* ⇒ var. (*C. amoena*) (Carse 1930 and Johnstone 1967, as *C. retorta* × *C. amoena*)

\**Dodonaea viscosa* var. (unc)

\**Fuchsia procumbens* (W.D.B.)

\**Gaultheria antipoda* (unc)  
*Geniostoma rupestre* var. *crassum*

\**G. rupestre* var. *ligustrifolium* (unc)

*G. r. var. crassum* ⇒ var. *ligustrifolium*

\**Griselinia lucida*

\**Hebe ligustrifolia* var. (low-growing shrubs)

*H. sp.* (unnamed; included in *H. macrocarpa*, as var. *brevisetosa*, by Moore 1961) (two forms: in one the shrubs are upright and have magenta fls; in the other the shrubs are prostrate and have purple fls)

*Helichrysum aggregatum* var. (prostrate shrubs)

\**Korthalsella salicinoides* (unc)

*Cassytha paniculata*

\**Coprosma crassifolia* (unc)

\**C. lucida* s.s. (unc)

\**C. macrocarpa* ssp. (lvs narrow in ssp. *macrocarpa*)

\**C. neglecta* ssp. *neglecta*

\**C. obconica* ssp. (prostrate shrubs; drupes globose, unpigmented)

\**C. parviflora* s.s. (unc)

*C. repens*

\**C. rhamnoides* (incl. *C. polymorpha*) (unc)

\**C. spathulata* ssp. (prostrate shrubs with long, lianoid stems)

- \**Knightia excelsa* (unc) mostly ferruginous) (unc)
- Kunzea ericoides* agg. (prostrate plants with linear lvs) *Pomaderris edgerleyi*
- Leptospermum scoparium* *P. ericifolia* (unc)
- \**Leucopogen fasciculatus* var. *L. fraseri* s.s. *P. kumeraho*
- \**Litsea calicaris* (unc) *P. otaria* ssp. *novae-zelandiae*
- \**Macropiper excelsum* var. *ex-* *celsum* \**Planchonella costata* (unc)
- Melicope simplex* *Pseudopanax* sp. (unnamed; aff. *P. lessonii*) (spreading shrubs or small trees; lvs smaller than in *P. lessonii*; leaflets (1)-3-(5) rather than (3)-5) (these differences are retained in cultivated plants)
- \**Melicytus micranthus* (incl. *M. m.* var. *microphyllus*)
- \**M. ramiflorus* ssp. *ramiflorus* (unc)
- \**Metrosideros excelsa*
- \**Muehlenbeckia complexa* agg. \**Rubus cissoides* var. *cissoides* (W.D.B.)
- Mycoporum laetum* var. (unc)
- \**Myrsine australis*
- \**Olearia angulata* (unc)
- \**Parsonsia* sp. (unnamed) (see Allan 1961, pp. 553-4, under *P. capsularis*)
- Pimelea prostrata* (?) (two forms: **FERNS**)
- in one the shrubs are erect and have hairy stems; in the other the shrubs are prostrate and have glabrous stems)
- \**P. cf. utileana* (unc) \**Adiantum cunninghamii* (W.D.B.)
- Pittosporum pimaleoides* var. *mairii* (unc) \**A. hispidulum*
- \**P. sp.* (unnamed) (shrubs; lf blade rather abruptly narrow-elliptic-ovate; to petiole, obovate to broad elliptic-ovate; tomentum
- mostly ferruginous) (unc)
- Pomaderris edgerleyi*
- P. ericifolia* (unc)
- P. kumeraho*
- P. otaria* ssp. *novae-zelandiae*
- \**Planchonella costata* (unc)
- Pseudopanax* sp. (unnamed; aff. *P. lessonii*) (spreading shrubs or small trees; lvs smaller than in *P. lessonii*; leaflets (1)-3-(5) rather than (3)-5) (these differences are retained in cultivated plants)
- \**Rubus cissoides* var. *cissoides* (W.D.B.)
- \**Tetragenia trigyna*
- LYCOPPODS**
- \**Lycopodium cernuum* (unc)
- \**L. deuterodensum*
- \**Phylloglossum drummondii* (unc)
- \**Adiantum cunninghamii* (W.D.B.)
- \**A. hispidulum*
- \**Asplenium flaccidum* (W.D.B.)
- A. northlandicum*
- \**A. oblongifolium* (unc)
- \**A. northlandicum* X *A. oblongifolium* (unc)
- Blachnum* sp.(i) (unnamed) (common lowland sp.; lower ad to petiole, obovate to broad pinnae reduced in length)
- \**B. sp.(i)* (unnamed) (cliff sp;

lower pinnae not reduced) ("The Green Bay Species" of Crookes 1963)

- \**Botrychium australe* (unc)
- \**Cyathea dealbata* (unc)
- \**C. medullaris* (unc)
- \**Dicksonia squarrosa* (unc)
- \**Doodia media* ssp *australis*
- \**Gleichenia microphylla*
- \**Lindsaea linearis*
- \**Phymatosorus pustulatus* (unc)
- \**Polystichum richardii* (unc)
- \**Pteridium esculentum*
- \**Pyrrhisia cleagnifolia*

*Sticherus cunninghamii* (Wheeler 1963, as *Gleichenia cunninghamii*)

- \**S. flabellatus* (unc)
- \**Todea barbara* (unc)

#### ORCHIDS

- \**Acianthus sinclairii*
- \**A. reniformis* ss.
- \**A. oblongos* (?)
- Corybas* sp. (i) (Wheeler 1963)

*Corybas* sp. (ii) (Wheeler 1963)

- \**Genoplesium pumilum* (unc)
- \**Microtis parviflora*
- M. unifolia*
- \**Pterostylis albolutea* (W.D.B.)
- \**P. nana* (unc)
- \**P. plumosa*
- \**P. trullifolia* (W.D.B.)

\**Thelymitra acmula*

- \**T. matthewsii* (unc)
- T. tholiformis* (unc)
- \**T. sp. (i)* (aff. *T. pauciflora*)
- T. sp. (ii)* (unnamed; aff. *T. longifolia*)
- T. sp. (iii)* (unnamed)

#### GRASSES

- \**Cortaderia* sp.
- \**Deyeuxia billardierei*
- \**Dichelachne etinita*
- \**D. micrantha*
- \**Elymus multiflorus*
- \**Microlaena stipoides*
- \**Oplismenus imbecillus*
- \**Rytidosperma biannulare*
- \**Stipa stipoides*

#### SEDGES

- Baumea articulata* (unc)
- \**B. juncea*
- \**Carex breviculmis* (unc)
- \**Carex spinirostris*
- \**Cyperus ustulatus*
- \**Gahnia lacera*
- \**Ischaemum nodosa*
- \**Lepidosperma australe*
- \**L. filiforme*
- L. laterale*
- Morelotia affinis*
- \**Schoenus apogon* (incl. *S. a. var. caespitosus*) (unc)
- \**S. brevifolius*
- \**S. fendo*
- \**Uncinia uncinata* (unc)

**RUSHES**

*Juncus gregiflorus* (unc)

\**Epilobium* sp. (Michie 1957)

*Gonocarpus incanus*

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

*Arthropodium cirratum*

*Halerpestes erecta* ssp. *cartilaginea*

*Astelia* sp. (unnamed; aff. *A. banksii*)

\**Lepidium olcraceum* (Cheeseman 1897)

*Dianella nigra*

\**Lobelia anceps*

*Libertia ixoides* (unc)

\**Nertera setulosa* (unc)

*Phormium tenax*

\**Oxalis exilis* (unc)

*Peperomia utvilleana* (unc)

**COMPOSITES**

\**Gnaphalium avdax*

\**Plantago raoulii* (Whader 1963)  
*Sarcocornia quinqueflora* (Wheeler 1963, as *Salicornia australis*)

\**G. sphaericum*

*Lagenifera pumila* (Beever and Jane, 1967, as *Lagenophora pumila*)

\**Scleranthus biflorus* (W.D.B.)

\**Wahlenbergia gracilis*

No. of species: 158.

\**Pichtis hietacioides* (unc)

\**Pseudognaphalium* sp. (unnamed;

aff. *P. luteoalbum*) (coastal sp.;

Ivs mostly oblong-spatulate  
to narrowly oblong, rounded)

*Senecio lautus* ssp. *lautus* (unc)

**DICOT HERBS OTHER THAN COMPOSITES**

\**Apium prostratum* ssp.

\**Centalla uniflora*

\**Colosca physaloides* (unc)

\**Crassula sieberiana*

\**Dichondra repens* agg.

*Disphyma australe* ssp. *australe*

\**Drosera peltata* ssp. *articulata*

*D. binata* (unc)

*D. pygmaea* (unc)

*D. spathulata* (Wheeler 1963)

\**Einhadia trigonos* (unc)

DOUBTFUL AND ERRONEOUS RECORDS NOT INCLUDED IN MAIN LIST

<u>Record</u>	<u>Probable identity of plants on which record based</u>
<i>Coprosma acerosa</i> (Wheeler 1963)	<i>C. obconica</i> ssp.
<i>Diacophyllum urvilleanum</i> (Wheeler 1963)	
<i>Gonocarpus aggregatus</i> (Beever and Jane, 1967, as <i>Halterragis depressa</i> )	<i>G. incanus</i>
<i>Hebe adamsii</i> (Wheeler 1963)	
<i>H. ligustrifolia</i> × <i>H. sp. (unnamed)</i> (Findlaysen 1945, as <i>H. ligustrifolia</i> × <i>H. speciosa</i> var. <i>brevifolia</i> ; Johnstone 1969, as <i>H. ligustrifolia</i> × <i>H. macrocarpa</i> var. <i>brevifolia</i> )	<i>H. ligustrifolia</i> var. (?)
<i>H. speciosa</i> (Cheeseman 1897a, as <i>Veronica speciosa</i> )	<i>H. sp. (unnamed)</i>
<i>Olearia albida</i> (Druce, Bartlett, & Gardner, 1979)	<i>O. angulata</i>
<i>O. furfuracea</i> (Wheeler 1963)	<i>O. angulata</i>
<i>Parsonsia capsularis</i> var. (Druce, Bartlett, & Gardner, 1979)	<i>P. sp. (unnamed)</i>
<i>Pheterophylla</i> (Wheeler 1963)	<i>P. sp. (unnamed)</i>
<i>Pleiumum cookianum</i> (Wheeler 1963, as <i>P. colensoi</i> )	
<i>Pittosporum crassifolium</i> var. (Druce, Bartlett, & Gardner, 1979)	<i>P. sp. (unnamed)</i>
<i>P. umbellatum</i> (Cheeseman 1897, Johnstone 1969)	<i>P. sp. (unnamed)</i>

*Pomaderris polifolia* (Wheeler 1963,  
as *P. phyllicifolia* var. *polifolia*)

*Pomaderris* (Wheeler 1963; "....

many intergrading types have been  
observed between the species....")

*Tetragonia tetragonoides* (Wheeler  
1963)

*T. trigyna*

#### LOCAL ENDemics AND OTHER PLANTS WITH RESTRICTED DISTRIBUTIONS.

The following 19 plants are either locally endemic (E) or found in only one or a very few localities in N.Z. other than the North Cape area (R). Some have been ranked (as sp., ssp., or var.) differently at one time or another by different authors; the alternative rankings are given below.

##### Ranking favoured here

- E *Phyllocladus* sp. (unnamed)
- E *Cassinia leptophylla* var.
- E *Coprosma macrocarpa* ssp.
- E *C. neglecta*
- E *C. obconica* ssp.
- E *C. spathulata* ssp.
- E *Ceratia cotonneaster* var.
- E *Helichrysum aggregatum* var.
- R *Cyathodes paniculata* var.
- E *Genista tinctoria* var.
- Classm
- E *Hebe ligustrifolia* var.

##### Other ranking

- P. trichomanoides* var.
- C. amoena* (Cheeseman 1897b)
- C. thunbergii* var. (Druce,  
Bartlett, & Gardner, 1979)
- C. sp. (unnamed)* (Druce, Bartlett, &  
Gardner, 1979)
- (not accepted by Allan (1961))

E or RH. sp. (unnamed) <sup>1</sup>	$\left\{ \begin{array}{l} V. speciosa \text{ var. } brevifolia \text{ (Cheeseman 1906)} \\ H. mactocarpa \text{ var. } brevifolia \text{ (Moore 1961)} \end{array} \right.$
E Parsonsia sp. (unnamed)	$\left\{ \begin{array}{l} \text{(illustrated under } P. capsularis \text{ in Allan 1961)} \\ (P. capsularis \text{ var. (Druce, Battlett, and Gardner, 1979)}) \end{array} \right.$
E or Pittosporum pimeloides var. maius (Cheeseman 1906) <sup>2</sup>	P. michieei (Allan 1961).
E P. sp. (unnamed)	P. crassifolium var. (Druce, Battlett, and Gardner, 1979)
R Pomaderris sp. (unnamed) <sup>3</sup>	P. crassia var. novae-zelandiae (Moore 1961)
E Pseudopanax sp. (unnamed)	P. lessonii var. (Druce, Battlett, and Gardner, 1979)
E Haloragis erecta ssp. cartilaginea (Orchard 1975)	H. cartilaginea (Cheeseman 1897b)
E Astelia sp.	(previously included in A. banksii) Weinmannia silvicola var. and

Note: Johnstone (1969) lists as endemic ("dwarf or prostrate forms (which may be genuine varieties)" of the following additional species: Melicope simplex, Pittosporum umbellatum [= P. sp. (unnamed)?], Corynocarpus laevigatus, Metrosideros excelsa, Knightia excelsa.

<sup>1</sup> Indications are that this species may also occur at Pukekareka (Cheeseman 1897a, as Veronica speciosa)

<sup>2</sup> Also "collected once from C. Maria van Dieman" (Johnstone 1969, as P. michieei).

<sup>3</sup> Also occurs at Scott's Point, Maunganui Bluff, and Whangarei Heads (Allan 1961)

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VASCULAR PLANTS OF THE PEAKS<sup>1</sup>-TARANAKA<sup>2</sup>, AND KARETI<sup>3</sup>-  
NGAMAI A<sup>4</sup> AREAS, NORTHERN TARARUA RANGE, 2300-3700 FT

A.P.Druce, Botany Division, D.S.I.R., May 1979 (revised June 1984)  
(Based on visits 1955, 1962, 1968, 1979)

May 1984  
June 1984

<sup>1</sup> Grid ref. N 152 999031, alt. 2866 ft; and N 153 005032, alt. 2920 ft

June 1984

<sup>2</sup> Grid ref. N 153 035028, alt. 2746 ft

Sept 1984

<sup>3</sup> Grid ref. N 153 005965, alt. 3700 ft

July 1991

<sup>4</sup> Grid ref. N 153 028992, alt. 3221 ft

<sup>5</sup> Lower limit of *Chionochloa flavescens* shrub-tussock land  
unc - uncommon; T,N - see footnote

### INDIGENOUS PLANTS

#### [GYNNOSPERM TREES AND SHRUBS]

*Dacrydium cupressinum* (unc)  
(upper limit 2350 ft)

*Halocarpus biformis*

*Pittosporum alpinus*

*Podocarpus hallii*

*Prumnopitys ferruginea*

*Griselinia littoralis*

*Myrsine salicina*

*Mullerius fusca* (unc - only (small stand seen)) (T)

*Pseudopanax colensoi* s.s. (unc - only (plant seen, May 1979)) (N)

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

*Weinmannia racemosa* var.  
*racemosa*

#### [MONOCOT TREES]

*Cotyledone indivisa* (unc)

#### [DICOT SHRUBS]

*Alseuosmia pusilla*

*Brachyglottis rotundifolia* var.  
(*B. glaeagnifolia*) (unc)

*Coprosma colensoi* s.s.

*C. depressa* (unc) (N)

*C. foetidissima*

#### [DICOT TREES]

*Carpodetus serratus* (unc)

*Elaeocarpus hookerianus*

*Fuchsia excorticata* (unc) (T)

T → The Peaks-Taramea area only

N - Karetu-Ngamaia area only