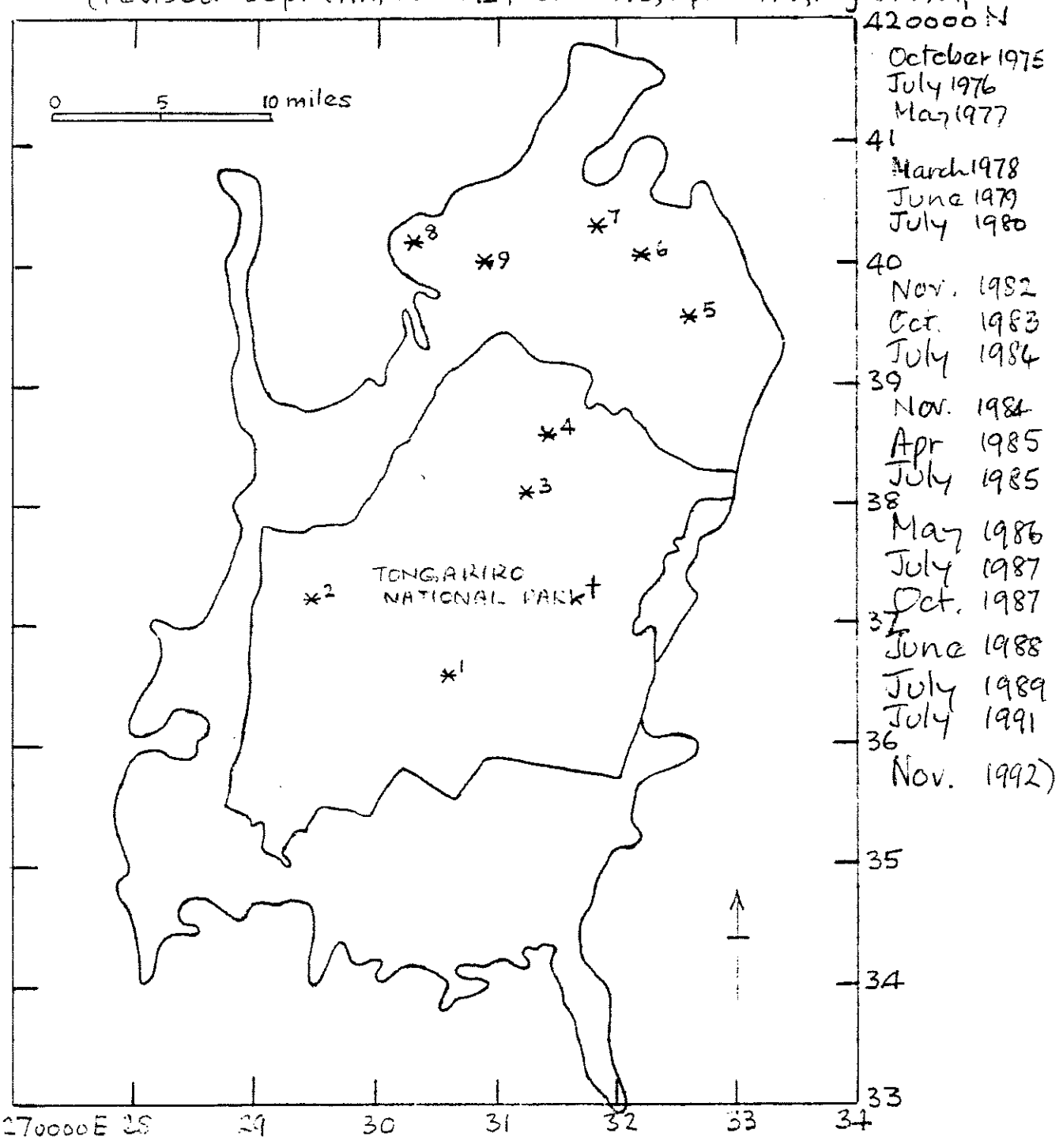


CHECK-LIST OF INDIGENOUS VASCULAR PLANTS RECORDED
FROM CENTRAL ANDESITIC VOLCANOES* AND THEIR
RING-PLAINS, ADDITIONAL TO THOSE RECORDED FROM
WITHIN THE BOUNDARIES OF TONGARIRO NATIONAL PARK†

A.P. Druce, Botany Division, D.S.I.R., April 1972

(revised Sept 1972, Oct 1972, June 1973, April 1974, August 1974, Feb 1975,



* Ruapehu¹, Hauhungatahi², Ngauruhoe³, Tongariro⁴, Pihanga⁵, Tihia⁶,
 Kakaramea⁷, Maungaku⁸, Maungakatote⁹

† As it existed prior to the incorporation of Pihanga Scenic Reserve)

GYMNOSPERMS

Phyllocladus trichomanoides ss. *Ileostylus micranthus* (Turner
1909, as *Lotanthus micranthus*)
Podocarpus totara ss
Korthalsella clavata

MONOCOT TREES AND SHRUBS

Cordyline australis X *C. banksii*

DICOT TREES

Alectryon excelsus var. *excelsus*
Hedycarya arborea (Gardner 1984)
Knightia excelsa
Melicytus lanceolatus X *M.*
ramiflorus
Nothofagus solandri var. *sol-*
andri
Pittosporum turneri
Pseudopanax laetus

DICOT SHRUBS

Carmichaelia arborea var. (*C.*
odorata)

Coprosma rubra

C. wallii

C. robusta X *C. tenuifolia*

Gaultheria oppositifolia

G. antipoda X *G. oppositifolia*

Centrostoma rupestre var.

ligustrifolium

Hebe macrocarpa var. (*H. corrig-*
anii)

Melicytus sp. (unnamed) (branches flexuose)

Myrsine nummularia X *M. salicina*

Olearia capillaris

O. ilicifolia

O. arborescens X *O. capillaris*

Pimelea longifolia (Colenso

1890, as *P. lanceolata* and *P.*

similis)

Pomaderris ericifolia

Solanum laciniatum (Gardner

1984)

Teucrium parvifolium (Turner

1909)

Tupeia antarctica (Turner 1909,

Gardner 1984)

DICOT LIANES

Clematis foetida

Passiflora tetrandra

Rubus australis

PSILOPSIDS AND LYCOPODS

Psilotum nudum (Cheeseman

1925, as *P. triquetum*)

Lycopodium deutero densum

FERNS

Asplenium flabellifolium

(Gardner 1984)

A. gracillimum (Brownsey 1977)

Azolla filiculoides

Blechnum membranaceum

B. sp. (iii) (unnamed) (mountain sp.; lower pinnae not reduced) ("The Dunedin-Cass Variety" of Crookes 1963)

B. sp. (iii) X *B. sp. (i)* (common lowland sp) **ORCHIDS**

Christella dentata

Cyclosorus interruptus (Crookes

1963, as *C. gongyloides*; Cheeseman 1925 as *Dryopteris gongyloides*)

Diplazium australe (Gardner 1984)

Doodia media (Gardner 1984)

Grammitis ciliata (Gardner 1984)

G. pseudociliata (Parris and Given, 1976)

Hymenophyllum flexuosum (Turner 1909, as *H. australe*)

Hypolepis dicksonioides (Gardner 1984)

H. distans (Turner 1909)

Lastreopsis glabella (Turner 1909, as *Nephrodium glabellum*) **SEDGES**

L. hispida

Leptopteris hymenophylloides
X *L. superba*

Lindsaea trichomanoides

L. viridis (Butler 1970)

Pellaea rotundifolia (Turner 1909, Gardner 1984)

Pteris pendula (Turner 1909, as

P. macilentata)

Schizaea bifida (Gardner 1984)

Acianthus sinclairii (Gardner 1984, as *A. fornicatus*)

Calochilus sp.

Genoplesium nudum

Microtis parviflora

Pterostylis foliata

Ptistis

Thelymitra sp. (aff. *T. ixioides* (Gardner 1984, as *T. ixioides*))

GRASSES

Amphibromus fluitans

Echinopogon ovatus (Gardner 1984)

Elymus multiflorus

E. tenuis

Isachne globosa

Baumea huttonii

B. teretifolia

Bolboschoenus caldwellii
(Cook 1947, as *Scirpus caldwellii*)

B. medianus (Cook 1947, as *Scirpus medianus*)

- Carex diandra
- C. dipsacea var. dipsacea
- C. fascicularis
- C. flagellifera
- C. flaviformis
- C. gaudichaudiana
- C. geminata (Turner 1909, as C. ternaria var. gracilis; Gardner 1984)
- C. lessoniana (Hamlin 1954, as C. geminata)
- C. macroca
- Cyperus ustulatus
- Eleocharis sphacelata
- Isolepis distigmata
- I. reticularis
- Moreletia affinis (Gardner 1984)
- Schoenoplectus validus
- Schoenus apogen (incl. S. a. var. caespitans)
- Tetraria capillaris
- Uncinia banksii
- U. laxiflora

- Potamogeton cheesemani
- Sparganium subglobosum

COMPOSITE HERBS

- Anaphalis subrigida
- Centipeda minima
- Gnaphalium involucreatum (Gardner 1984)
- G. sphaericum (Gardner 1984)
- Lagenifera pinnatifida
- L. cuneata x L. pumila
- Raculia sp. (ii) (unnamed)
- R. albosericea x R. sp. (i)
- Vittadinia australis
- [Note: Senecio dunediniensis (Cheeseman 1925 and Allan 1961, as Erchtites diversifolia) = S. glomeratus (see Drury 1974)]

DICOT HERBS OTHER THAN COMPOSITES

- Callitriche patrici var. patrici (Mason 1959)
- Galium trilobum
- Glossostigma elatinoide
- Gratiola sexdentata
- Hydrocotyle elongata
- H. hydrophila (Gardner 1984)
- H. pterocarpa
- Hypsela rivalis
- Lilaeopsis ruthiana
- Linum monogynum

RUSHES AND ALLIED PLANTS

- Juncus australis (Turner 1909)
- J. sarophorus
- Leptocarpus similis

MONOCOT HERBS OTHER THAN ORCHIDS, GRASSES, SEDGES, RUSHES

- Libertia peregrinans

Mazus radicans
Mentha cunninghamii
Myosotis sp. (unnamed; aff. *M. pygmaea*)
Myriophyllum propinquum
M. triphyllum (Gardner 1984)
M. votschii (Orchard 1979)
Oreomyrthis sp. (unnamed; included
in *O. colensoi*, as var. *delicatula*, by
Allan 1961)
Potentilla anserinoides
Pratia perpusilla
Ranunculus ternatifolius
Utricularia australis (Gardner 1984,
as *U. protusa*)

No. of species from Tongarito Nat. Park[†]: 572.

No. of additional species in this list: 119.

Total no. of species from central volcanoes: 691.

([†]As it existed before incorporation of Pihanga Scenic Reserve)

REFERENCES

- Allan, H.H. 1961: "Flora of New Zealand". Government Printer, Wellington. Vol. 1. 1085 pp.
- Brownsey, P.J. 1977: A taxonomic revision of the New Zealand species of *Asplenium*. N.Z. J. Bot. 15: 39-86.
- Botter, L.W. 1970: Labour weekend trips to Taupo. Auckland bot. Soc. Newsletter 27(1): 4-5.
- Cheeseman, T.F. 1925: "Manual of the New Zealand Flora." Ed. 2. Government Printer, Wellington. 1163 pp.
- Colenso, W. 1890: A description of some newly-discovered phaenogamic plants, being a further contribution towards the making known the botany of New Zealand. Trans. N.Z. Inst. 22: 459-93.

Cook, V.J. 1947: Descriptions of new species of Scirpus. Trans. R. Soc. N.Z. 76: 567-71.

Crookes, M.W. 1963: "New Zealand Ferns". Ed. 6. Whitcombe and Tombs, New Zealand. 408 pp.

Drury, D.G. 1974: Illustrated and annotated key to the erectitoid senecios in New Zealand (Senecioneae-Compositae) with a description of Senecio diascoides. N.Z. J. Bot. 12: 513-40.

Gardner, R.O. 1984: Vegetation & flora at the head of Lake Taupo. Auckland bot. Soc. Newsletter 39: 33-9

Hamlin, B.G. 1954: Studies in New Zealand Carices. 1. The Section Acutae Fris. Trans. R. Soc. N.Z. 82: 49-64.

Mason, R. 1959: Callitriche in New Zealand and Australia. Austr. J. Bot. 7: 295-327.

Parris, B.S.; Given, D.R. 1976: Taxonomic revision of the genus Grammitis Sw. (Grammitidaceae: Filicales) in N.Z. N.Z. J. Bot. 14: 85-111.

Turner, E.P. 1909: "Report on a Botanical Investigation of the Higher Waikaranga District." New Zealand Department of Lands. 14 pp.

Orchard, A.E. 1979: Myriophyllum (Haloragaceae) in Australasia
1. New Zealand: A revision of the genus and a synopsis of the family. Bionomia 2: 247-87.