

ART. XLVI.—*New Plant-stations.*

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(The initials in square brackets are those of the person by whom the species or variety has been identified: B. C. A. for Mr. B. C. Aston; T. F. C. for Mr. T. F. Cheeseman; L. C. for Dr. L. Cockayne; D. P. for Mr. D. Petrie; A. W. for the author.)

- Ranunculus sericophyllus* Hook. f. Mount Rolleston; mountains at the head of the Waimakariri, 6,000 ft. [A. W.]
- Ranunculus gracilipes* Hook. f. Two Thumb Range, near Lake Tekapo, 6,500 ft. [D. P.]
- Ranunculus foliosus* T. Kirk. Walker's Pass, head of the Hawdon River [D. P.]
- Ranunculus Cheesemanii* T. Kirk. Mount White district, 2,500 ft. [D. P.]
- Ranunculus depressus* T. Kirk. Two Thumb Range, 6,500 ft. [D. P.]
- Cardamine depressa* Hook. f. Old Man Range, 5,000 ft. [D. P.]
- Cardamine fastigiata* Hook. f. Mount Skedaddle, Mandamus River, North Canterbury, 5,000 ft. [L. C.] Formerly only in Nelson, Marlborough, the Macaulay River, and Otago.
- Cardamine Enysii* Cheesem. Puketeraki Range, 6,000 ft.; mountains flanking Hawdon River, 6,000 ft. [A. W.]
- Lepidium sisymbrioides* Hook. f. Maniototo Plains, near Waipiata [A. W.]  
Not recorded previously south of the Waitaki and Lake Wanaka.
- Hectorella caespitosa* Hook. f. Old Man Range, 5,000 ft. [L. C.]
- Aristolelia Colensoi* Hook. f. Mount Hutt, in *Fagus* forest, 2,000 ft. [L. C.]
- Carmichaelia gracilis* Armstr. Poulter River, 2,000 ft. [A. W.], Recorded only to 1,500 ft. in *Manual*, and not before in the south alpine region.
- Carmichaelia prona* T. Kirk. Lake Mary Mere, Craigieburn [A. W.]
- Geum parviflorum* Sm. Mount Herbert, Banks Peninsula, 2,800 ft. [A. W.]
- Acaena inermis* var. *breviscapa* Bittr. Mandamus River, North Canterbury [L. C.]
- Epilobium brevipes* Hook. f. Mouth of Mandamus River, tributary of the Hurunui River, North Canterbury [L. C.]
- Epilobium gracilipes* T. Kirk. Esk River and Iron Creek (Upper Waimakariri), on sandstone cliffs [A. W.]
- Hydrocotyle dissecta* Hook. f. Waikawa, Southland [D. P.]
- Eryngium vesiculosum* Lab. Balmoral scrub, North Canterbury, about twenty-four miles from sea-coast [L. C.]
- Aciphylla Cuthbertiana* Petrie. Takitimu Mountains, 4,500 ft. [D. P.]
- Ligusticum piliferum* var. *pinnatifidum* T. Kirk. Macaulay River, 4,000 ft. [D. P.]
- Pseudopanax ferox* T. Kirk. Camp Bay, Lyttelton Harbour [A. W.]
- Coprosma grandifolia* Hook. f. Mount Grey, near Amberley, North Canterbury [L. C.]
- Coprosma virescens* Petrie. Port Hills and Banks Peninsula [A. W.]  
"Lake Forsyth" was the only Canterbury station for this recorded by Kirk.
- Olearia lacunosa* Hook. f. Crawford Range, Lake Sumner, 4,000–5,000 ft. [L. C.]
- Olearia moschata* Hook. f. Takitimu Mountains, 4,000–5,000 ft. [A. W.]
- Celmisia ramulosa* Hook. f. Rock and Pillar Range, 5,000 ft. [D. P.]
- Celmisia densiflora* Hook. f. Takitimu Mountains, 4,000 ft. [A. W.]

- Celmisia Armstrongii* Petrie. Crawford Range, Lake Sumner, 5,000 ft. [L. C.]
- Celmisia Petriei* Cheesem. Takitimu Mountains, 4,000–5,000 ft. [D. P.]
- Celmisia linearis* Armstr. Mount Miromiro, Hanmer, 6,000 ft. [L. C.]; mountains flanking the Hawdon River, 6,000 ft. [L. C.]. Not previously recorded in Canterbury except in Mount Cook district by Cheeseman.
- Celmisia Hectori* Hook. f. Takitimu Mountains, 5,000 ft. [D. P.]
- Celmisia argentea* T. Kirk. Old Man Range, 5,000 ft. [D. P.]
- Raoulia Haastii* Hook. f. Hurunui River [A. W.]
- Raoulia Parkii* Buch. Two Thumb Range, 3,000–6,000 ft. [D. P.]
- Raoulia Hectori* Hook. f. Two Thumb Range, 5,000 ft. [D. P.]
- Raoulia Petriensis* T. Kirk. Two Thumb Range, 4,000–6,500 ft. [D. P.]
- Cotula filiformis* Hook. f. Balmoral scrub, North Canterbury [L. C.]. Also found by Mr. Christensen, Hanmer Plains.
- Senecio revolutus* T. Kirk. Takitimu Mountains, 4,000–5,000 ft. [A. W.]. Previously recorded from more western localities only.
- Phyllachne rubra* Cheesem. Rock and Pillar Range, 5,000 ft. [D. P.]
- Seligeria radicans* Cav. Saline patches by Taieri River, near Waipiata [A. W.]. Recorded inland on margins of the larger lakes only.
- Lobelia Roughii* Hook. f. Two Thumb Range, 5,000–6,000 ft. [A. W.]
- Pernettya nana* Col. Base of Two Thumb Range, Lake Tekapo [A. W.]
- Dracophyllum prostratum* T. Kirk. Takitimu Mountains, 5,000 ft. [D. P.]
- Dracophyllum muscoides* Hook. f. Bengier Range, near Roxburgh [D. P.]
- Samolus repens* Pers. Saline patches near Taieri River, Waipiata [A. W.]. Not recorded in the *Manual* from any inland station.
- Gentiana tenuifolia* Petrie. Lake Pearson, North Canterbury, 2,000 ft. [D. P.]
- Myosotis pulvinaris* Hook. f. Old Man Range, 5,000 ft. [D. P.]
- Gratiola peruviana* Linn. Wycliffe Bay, Otago Peninsula [B. C. A.]
- Veronica amabilis* var. *blanda* Cheesem. Bluff Hill [D. P.]
- Veronica Buchananii* Hook. f. Rock and Pillar Range, 5,000 ft. [D. P.]
- Veronica pimeleoides* var. *glauco-caerulea* Cheesem. Base of Two Thumb Range to 4,000 ft. [D. P.]. Apparently no definite locality for this has been recorded.
- Veronica Gilliesiana* T. Kirk. Crawford Range, Lake Sumner, 5,000 ft. [L. C.]
- Veronica quadrifaria* T. Kirk. Mount Skedaddle, Mandamus River, 4,000 ft. [L. C.]; Two Thumb Range, 6,000 ft. [D. P.]. The only Canterbury station previously recorded is Mount Dobson. Occurs also on Mount Peel and in its vicinity.
- Veronica Hectori* Hook. f. Takitimu Mountains, 3,000–5,000 ft. [D. P.]; Old Man Range, 5,000 ft.
- Veronica propinqua* Cheesem. Mount Bengier, near Roxburgh, 3,000 ft. [D. P.]
- Veronica Thomsonii* Cheesem. Old Man Range, 5,000 ft. [D. P.]
- Oursia glandulosa* Hook. f. Old Man Range, 5,000 ft. [D. P.]
- Plantago lanigera* Hook. f. Upper Hurunui River [L. C.]. No definite Canterbury station has been recorded.
- Muehlenbeckia ephedrioides* Hook. f. Hurunui River, c. 2,500 ft. [A. W.]. The only Canterbury locality recorded is the Waipara River. This is the first record for the Canterbury alpine region.
- Pimelea sericeo-villosa* Hook. f. Mount White, Upper Waimakariri [D. P.]. Not previously recorded in North Canterbury.
- Luzula Cheesemanii* Buchen. Mount St. Bernard, Craigieburn, 5,000 ft. [D. P.]; Rock and Pillar Range, 5,000 ft. [A. W.]

- Luzula leptophylla* Buchen. Old Man Range, 5,000 ft. [A. W.]; Rock and Pillar Range, 5,000 ft. [A. W.].
- Luzula racemosa* var. *Traversii* Buchen. Mount St. Bernard, 4,000 ft. [A. W.]; Mount Hutt, 5,000 ft. [A. W.]; and many other localities in Canterbury and Otago. Hitherto recorded from very few stations in Canterbury.
- Triglochin palustre* Linn. Taieri River, Waipiata [A. W.]. The only Otago station hitherto recorded is Ophir.
- Scirpus basilaris* C. B. Clarke. Castle Hill, Waimakariri Basin [A. W.].
- Gahnia pauciflora* T. Kirk. Mount Grey, near Amberley [L. C.]; apparently first record in Canterbury. Also at Glentui, near Oxford [R. M. Laing].
- Uncinia purpurata* Petrie. Hanmer Mountains, to 5,000 ft. [D. P.].
- Carex pyrenaica* Wahl. Mount Miromiro, Hanmer, 6,000 ft. [L. C.].
- Carex appressa* R. Br. Near Godley Head, Port Hills, Christchurch [D. P.]. First record north of Otago.
- Carex resectans* Cheesem. Port Hills, Christchurch, and Banks Peninsula [D. P.]. Was no doubt formerly also on Canterbury Plains, and has been found by myself in lawn near Christchurch and in the New Brighton dunes.
- Carex Raoulii* Boott. Mount Hutt, Pudding Hill Stream, 3,000 ft. [A. W.].
- Carex rubicunda* Petrie. Richmond Station, Lake Tekapo, margins of ponds [D. P.]. First record for Canterbury. Previously only at Lake Te Anau and one station in the North Island.
- Carex Berggreni* Petrie. Hawdon River, north branch of Waimakariri [D. P.]; also at Arthur's Pass [W. Martin].
- Dejuxia Petriei* Hack. Mount Herbert, Banks Peninsula, 2,500–2,800 ft. [D. P.]. First record for Canterbury. The flowering-glume has no awn. Mr. Petrie informs me that this species must be reduced to a variety of *D. Youngii*.
- Deschampsia Chapmani* Petrie. Jollie's Pass, Hanmer [D. P.]. Not before recorded outside Canterbury and Otago.
- Trisetum subspicatum* Beauv. A small form of this species grows at 7,000 ft., or just below that, on the Two Thumb Range [A. W.]. "Usually to 5,500 ft." in *Manual*.
- Danthonia crassiuscula* T. Kirk. Takitimu Mountains, 4,000 ft. [D. P.]. Hitherto chiefly recorded much farther west.
- Triodia exigua* T. Kirk. In the Waimakariri River bed, close to Christchurch, at sea-level [A. W.]. From 500 ft. to 3,000 ft. in *Manual*.
- Poa Cheesemani* Hack. Hawdon River (north branch of Waimakariri), 2,000–2,500 ft. [D. P.]. First record for Canterbury.
- Poa pygmaea* Buch. Old Man Range, 5,000 ft. [D. P.]; Mount Benger, 3,000 ft. [D. P.]. Both these are referred to this species by Mr. Petrie with some reservation.
- Poa Cockayneana* Petrie. Mount St. Bernard, Craigieburn, 5,000 ft. [D. P.].
- Asperella gracilis* T. Kirk. Mount Herbert, 2,800 ft., Banks Peninsula (first record since Raoul's at Akaroa); Five Rivers Plains Otago; Lake Tekapo [A. W.; D. P.].
- Gymnogramme leptophylla* Desv. Akaroa Harbour [A. W.].

## INTRODUCED PLANTS.

- Glyceria procumbens*. Tomahawk Lagoon, Dunedin [D. P.; T. F. C.]. A new record for the Dominion.
- Alisma Plantago*. Lower Avon, Christchurch [A. W.].