

Some of the streams near the foothills of the Kaimai range are also very interesting, containing a great wealth of bryophytes. One stream in particular has a marvellous collection of thalloid liverworts, the genera *Targionia*, *Marchantia*, *Reboulia* and *Asterella* being represented, in some places two or more species being present. On the damp rocky ledges of the same stream *Pimelea longifolia* can be found.

One last very neglected set of areas are the various swamps of the Waikato Basin. These extend from Maramarua in the East to Lake Waikare in the West and then south to Te Awamutu. They are being drained and plants such as *Myriophyllum robustum*, *Sporodanthus traversii* and *Lycopodium serpentinum* may soon be lost. In fact *M. robustum* has only been rediscovered in the last few months and occupies a very small area of no more than 600 square feet. Interesting mosses include the rare *Sphagnum subsecundum*, with deep concave leaves terminated by five small denticles.

This then concludes the "Cook's Tour" of the Auckland district. It can be hoped that by careful preservation of the areas mentioned the rare plants may grow undisturbed for posterity in their myriad ecological associations.

TREES, SHRUBS, AND LIANES OF NEW ZEALAND

I have compiled a check-list of the indigenous trees, shrubs, and lianes of the New Zealand Botanical Region. The list includes unnamed plants as well as named ones; also all recorded wild hybrids. Anyone requiring a copy is invited to write to Botany Division Substation, Soil Bureau, D.S.I.R., Private Bag, Lower Hutt. Comment on the list, in the form of suggested additions or deletions of species, varieties, or hybrids, is also invited.

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