

grooved lip and lid. The lid is usually half open but may close in hot weather to reduce evaporation. Insects which venture into the pitcher cannot escape, drown and are digested by the plant.

The plants I found would be about 10 cm across with pitchers 3 cm high. As these can reach 5 cm, the plants were probably young. It was too early to see the flowers which bloom in late summer. The sweetly scented small white flowers are in a cluster on a stem up to 60 cm high.

The plant is the one member of its family and grows sporadically, only in coastal areas in the S.W. of Western Australia.

OUTINGS

SMITHS BUSH and KAURI PARK - A.D. MacArthur

On Saturday 21st May a group of members set out by bus, under threatening skies, to visit Smith's Bush and Kauri Park - two areas of bush right on the front doorstep of Auckland one might say. More members joined the party as we gathered at the Onewa Domain entrance to walk into Smith's Bush, which will be familiar to many as the patch of bush which has been cut in two by the Northern Motorway near Takapuna. Fortunately there was little rain to trouble us as we made up our lists of native trees and plants growing naturally within a few minutes drive of Queen Street.

The first obvious thing about Smith's Bush, even as one drives through it on the motorway, is the predominance of Podocarpus dacrydioides. In other words it is a surviving remnant of kahikatea forest. As we walked into the area we found much of it flat, except for the part sloping fairly steeply down to the edge of the harbour, and into one gully. Other larger tree species forming a significant part of the canopy are Vitex lucens, Beilschmiedia tarairi, B. tawa, Sophora microphylla, and one tree about which there was some doubt as to whether it was Podocarpus spicatus or P. ferrugineus (the foliage was difficult to see; what I could see appeared to be that of P. ferrugineus. There did not seem to be any young plants of either species about).

Young specimens of Alectryon excelsus, Podocarpus totara, P. dacrydioides and Sophora microphylla were quite numerous, which was gladdening as the area is obviously trampled a great deal by children playing etc. Other species noted were as follows:-

Flowering Plants

<u>Carmichaelia aligera</u>	<u>Hedycarya arborea</u>
<u>Carpodetus serratus</u>	<u>Macropiper excelsum</u>
<u>Collospermum hastatum</u>	<u>Melicope ternata</u>
<u>Coprosma areolata</u>	<u>Melicytus micranthus</u>
<u>C. rhamnoides</u>	<u>Metrosideros perforata</u>
<u>C. robusta</u>	<u>Myrsine australis</u>
<u>Corynocarpus laevigatus</u>	<u>Paratrophis microphylla</u>
<u>Cyathodes fasciculata</u>	<u>Parsonsia heterophylla</u>
<u>Dysoxylum spectabile</u>	<u>Pennantia corymbosa</u> (?)
<u>Geniostoma ligustrifolium</u>	<u>Solanum aviculare</u>
<u>Griselinia lucida</u>	

Ferns

Asplenium bulbiferum	Elechnum filiforme
A. falcatum	Cyathea dealbata
A. lamprophyllum	C. medullaris
A. lucidum	Cyclosorus penniger
Adiantum cunninghamii	Doodia media
A. hispidulum	Lastreopsis glabella
Elechnum capense	Pellaea rotundifolia

We went on to Kauri Park, familiar to so many people as the area of bush visible from the city side of the harbour, opposite Point Chevalier, situated on steep ridges sloping towards the Waitemata harbour. Various tracks cross the area. We took the main route going down one ridge, across a gully and up another ridge, thus looking at a good cross section and sighting the following species:-

Gymnosperms

Agathis australis	Phyllocladus glaucus
Dacrydium cupressinum	P. trichomanoides
Libocedrus plumosa	

Dicotyledons

Aleucocmia macrophylla	Myrsine salicina
Beilschmiedia tawa	Nestegis lanceolata
Carpodetus serratus	Nothofagus truncata (trees and few seedlings)
Coprosma australis	Olearia furfuracea
C. spatulata	O. rani
Corokia buddleioides	Persoonia toru
Cyathodes fasciculata	Pittosporum tenuifolium
C. juniperina	Phebalium nudum
Fuchsia excorticata	Pseudopanax crassifolius
Meliccytus macrophyllus	Rubus cissoides
Metrosideros fulgens	Schefflera digitata
Mida salicifolia	Weinmannia silvicola

Monocotyledons

Acianthus fornicatus var. sinclairii	Gahnia sp.
Astelma solandri	Pterostylis brumalis
A. trinervia	P. trullifolia
Bulbophyllum pygmaeum	Rhopalostylis sapida
Freylinetia banksii	

Ferns

Blechnum fraseri	Lindsaea trichomanoides
Cardionanus reniforme	L. linearis
Hymenophyllum demissum	Lygodium articulatum
H. dilatatum	
Leptopteris hymenophylloides	

As if we had not already enjoyed an interesting and enjoyable day, we drove away from Kauri Park and moved a short distance to the home of Hans Petersen in Birkdale Road. Our main impression there was one of amazement to see such a large area, in a modern private home property,

kept so neat and free of weeds, forming a sanctuary for so many tiny plants. Tiny plants from our own country and overseas were thriving in a large, well ordered rock garden which must be of interest to all who love plants, at any season of the year. I think almost everyone would leave with their own favourite impressions from this delightful place - I know I shall always remember it wherever I see Parahebe cataractae in flower again, or that tiny alpine relative of the rimu, known as Dacrydium laxifolium - reputed to be the world's smallest conifer. Our thanks went to Mr and Mrs Petersen for sharing not only their garden, but also a warming cup of tea when the rain came on.

Even yet those members travelling with the bus were able to share some more interest - this time of a cultural and historical kind. We made a detour on the way home to view the very first display of any kind, an art show, in the old Pupuke Lake pumphouse, which has been renovated for this sort of purpose.

MITCHELINA STURTON BARR - AN APPRECIATION

Miss O. PLATT

It is with much regret that we learned of the death on 11th June of Minnie Barr who has been a member of the Society for about thirty years, during which time she has served on Committee, arranged outings and has always been willing to write up an account of outings.

She was a keen amateur botanist and was especially interested in filmy ferns, of which she made a collection.

She became quite a tripper later and was twice to the United Kingdom and Europe and back through U.S.A. One of her last trips was to Nepal over the Hillary trails at a time when most of us would rather see it all in pictures. She stood up to it better than many of the younger ones in the party. Her last trip was to China.

Earlier she was a keen tramper and walked many of the mountain valleys and passes of the South Island, and as one who went with her I must say that she was always with us with hand outstretched if help was needed. Yes some of us will miss her very much and we offer our most sincere sympathy to her family.

Outing - Saturday June 18th.

Mrs B. WORMALD

We were fortunate to have such a lovely day for our trip, as Friday was anything but pleasant. Along the Scenic Drive the rata, Metrosideros fulgens, was still in bloom, adding a gay touch with its orange flowers to the sombre greens of the trees. Mr Beaver led us into the University Reserve and pointed out some of the rarer species of trees in the area, one being Dacrydium kirkii with both juvenile and adult foliage. There were many young kauri rikas and some quite big trees with large spreading