MOSSES OF OMAHUTA AND PUKETI STATE FORESTS

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During the January 1985 visit of the Botanical Society to Omahuta and Puketi State Forests the following 98 species of moss were recorded; 77 of them in Omahuta, and in Puketi 81. As one might expect, mosses of moist forest habitats are well represented in the list, with 6 species of the genus Hypnodendron and 7 species of the family Hookeriaceae, with a further species, Pterygophyllum distichophylloides Broth. & Dix., recorded in the nearby Mangamuka Gorge Scenic Reserve.

Key to symbols:

AK	voucher specimen placed in the herbarium of the Auckland Institute and Museum
WELT	voucher specimen placed in the herbarium of the National Museum of N.Z., Wellington
+	sight record

SPECIES	OMAHUTA	PUKETI
Achrophyllum dentatum (Hook.f. & Wils.) Vitt & Crosby	+	WELT
A. quadrifarium (Hook.) Vitt & Crosby	+	WELT
Bartramia papillata Hook.f. & Wils.		WELT
Brachythecium plumosum (Sw.) B.S.G.	WELT	AK
Breutelia pendula (J.Sm.) Mitt.	+	WELT & AK
Bryum billardieri Schwaegr. var. *platyloma* Mohamed	+	WELT & AK
B. clavatum (Schimp.) C.Muell. (=*B. curvicollum* of Sainsbury's Handbook)		WELT
B. laevigatum Hook.f. & Wils.	WELT	
B. microerythrocarpum C.Muell. & Kindb.	WELT	AK
Calomnion laetum Hook.f. & Wils.	+	WELT
Camptochaete arbuscula (J.Sm.) Reichdt.	+	WELT & AK
Campylopodium euphorocladium (C.Muell.) Besch.	+	WELT
Campylopus arboricola Card. & Dix.	AK	
C. clavatus (R.Br.) Wils.	WELT	
C. introflexus (Hedw.) Brid.	+	WELT
C. pyriformis (K.F.Schultz) Brid.	WELT	WELT
Catagonium politum (Hook.f. & Wils.) Dus. ex Broth.		WELT
Catharomnion ciliatum (Hedw.) Wils.	+	WELT
Cladomnion ericoides (Hook.) Hook.f. & Wils.	+	WELT
Cryphaea dilatata Hook.f. & Wils.	WELT	
Cryptopodium bartramioides (Hook.) Brid.		WELT
Ctenidium pubescens (Hook.f. & Wils.) Broth.	WELT	WELT
Cyathophorum bulbosum (Hedw.) C.Muell.	+	WELT & AK
Cyrtopus setosus (Hedw.) Hook.f.	AK	WELT & AK
Dawsonia superba Grev.		WELT
Dicnemon calycinum (Hook.) Schwaegr.	+	WELT & AK
Dicranella clathratum Hook.f. & Wils.		WELT
Dicranella dietrichiae (C.Muell.) Jaeg.		WELT
Dicranoloma billardieri (Brid.) Par.	AK	WELT
D. fasciatum (Hedw.) Par.	+	WELT & AK
D. menziesii (Tayl.) Par.	AK	WELT

	OMAHUTA	PUKETI
Distichophyllum crispulum (Hook.f. & Wils.) Mitt.	WELT	WELT
D. pulchellum (Hampe) Mitt.	WELT	
D. rotundifolium (Hook.f. & Wils.) C.Muell. & Broth.	WELT	
Ditrichum difficile (Dub.) Fleisch.	WELT	WELT & AK
Echinodium hispidum (Hook.f & Wils.) Reichdt.	WELT	WELT & AK
E. umbrosum (Mitt.) Jaeg.	WELT	
Eriopus cristatus (Hedw.) Brid.	WELT	
Fissidens asplenioides Hedw.	+	WELT
F. humilis Dix. & Watts	WELT	WELT
F. pallidus Hook.f. & Wils.	+	WELT
F. pungens C.Muell. & Hampe	WELT	
F. rigidulus Hook.f. & Wils.	+	WELT & AK
F. tenellus Hook.f. & Wils.	WELT	
Fissidens sp.		WELT
Funaria glabra Tayl.		WELT
Glyphothecium sciuroides (Hook.) Hampe		WELT
Holomitrium perichaetiale (Hook.) Brid.	+	WELT
Homalia auriculata Hook.f. & Wils.	WELT	
H. falcifolia (Hook.f. & Wils.) Hook.f. & Wils.	WELT	
Hymenodon pilifer Hook.f. & Wils.	+	WELT & AK
Hypnodendron arcuatum (Hedw.) Lindb. ex Mitt.	+	WELT
H. colensoi (Hook.f. & Wils.) Mitt.	AK	WELT & AK
H. comatum (C.Muell.) Mitt. ex Touw	WELT	
H. marginatum (Wils.) Lindb. ex Jaeg.	+	WELT
H. menziesii (Hook.) Par.	+	WELT
H. spininervium (Hook.) Jaeg.		WELT & AK
Hypnum chrysogaster C.Muell.	WELT & AK	WELT
Hypopterygium filiculaeforme (Hedw.) Brid.	+	WELT
H. rotulatum (Hedw.) Brid.	+	WELT
H. commutatum C.Muell.		WELT
Leptostomum macrocarpum (Hedw.) Pyl.	+	WELT
Leucobryum candidum (P.Beauv.) Wils.	AK	WELT & AK
Lopidium concinnum (Hook.) Wils.	+	WELT
Macromitrium gracile (Hook.) Schwaegr.	WELT	WELT
M. longipes (Hook.) Schwaegr.		WELT & AK
M. prorepens (Hook.) Schwaegr.	WELT	WELT
Mittenia plumula (Mitt.) Lindb.	+	WELT
Orthorrhynchium elegans (Hook.f. & Wils.) Reichdt.	+	WELT & AK
Papillaria crocea (Hampe) Jaeg.	WELT	WELT
P. flavolimbata (C.Muell. & Hampe) Jaeg.		WELT
Philonotis tenuis (Tayl.) Reichdt.	WELT	WELT & AK
Pogonatum subulatum (Brid.) Brid.	+	WELT
Polytrichadelphus magellanicus (Hedw.) Mitt.	AK	WELT & AK
Porotrichum oblongifolium (Hook.f. & Wils.) Broth. & Dix.	WELT	
Ptychomnion aciculare (Brid.) Mitt.	+	WELT
Racomitrium crispulum (Hook.f. & Wils.) Hook.f. & Wils.		WELT
Racopilum convolutaceum (C.Muell.) Reichdt.	+	WELT & AK
Rhizogonium bifarium (Hook.) Schimp.	+	WELT & AK
R. distichum (Sw.) Brid.	+	WELT
R. mnioides (Hook.) Wils.	+	WELT & AK
R. novae-hollandiae (Brid.) Brid.	+	WELT & AK
?Rhynchostegium tenuifolium (Hedw.) Reichdt.		WELT
Sauloma tenella (Hook.f. & Wils.) Mitt.	WELT	
Schlotheimia brownii Schwaegr.	WELT	

	OMAHUTA	PUKETI
Sematophyllum amoenum (Hedw.) Mitt.	+	WELT & AK
S. jolliffii (Hook.f.) Dix.	+	WELT
Sphagnum sp.	+	WELT
Tayloria callophylla (C.Muell.) Mitt.		WELT
Thuidium furfurosum (Hook.f. & Wils.) Reichdt.	WELT	WELT
Trachyloma diversinerve Hampe in F.Muell.		WELT
Trematodon suberectus Mitt.	WELT	
Tridontium tasmanicum Hook.f.		WELT
Weymouthia cochlearifolia (Schwaegr.) Dix.	+	WELT
W. mollis (Hedw.) Broth.	+	WELT
Wijkia extenuata (Brid.) Crum	+	WELT & AK
Wilsoniella blindioides (Broth.) Sainsb.		WELT
Zygodon obtusifolius Hook.		WELT

We are grateful for the determination of Dicranella dietrichiae to Allan Fife, who reports that this Australian moss is known from several localities in northern New Zealand.

VASCULAR PLANTS OF THE A.R.A. REGIONAL PARK, WAHARAU

J.C. Smith Dodsworth

A checklist of vascular plants of the Waharau Park, near Kaiaua was first made by an Auckland Bot. Soc. field trip in July 1980. A later field trip on 18th May 1985 was able to add a considerable number of species to this list , although this is still not regarded as being complete, and the identification of a few species is still in doubt. Only a few of the introduced species are included.

FERNS

Adiantum cunninghamii *
Anarthropteris lanceolata
Asplenium bulbiferum ssp. bulbiferum
A. flaccidum ssp. flaccidum
A. lamprophyllum n
A. oblongifolium
A. polyodon
Blechnum sp. (B. capense)
B. chambersii
B. discolor n
B. filiforme
B. fluviatile n
B. fraseri n
Ctenopteris heterophylla
Cyathea dealbata
C. medullaris
C. smithii n
Dicksonia squarrosa
Doodia media
Gleichenia dicarpa ssp. dicarpa
G. microphylla
Histiopteris incisa n
Hymenophyllum demissum
H. dilatatum
H. flabellatum n
H. multifidum
H. rarum n
H. sanguinolentum
H. scabrum x
Hypolepis ambigua n
H. distans n
Leptopteris hymenophylloides ssp. hymneophylloides
Lindsaea linearis
L. trichomanoides n
Lastreopsis hispida *
Lunathyrium japonicum *
Marattia salicina n
Paesia scaberula
Phymatosorus diversifolius
P. scandens n
Pneumatopteris pennigera
Polystichum richardii x
Pteridium esculentum
Pyrrosia sepens
Rumohra adiatiformis
Schizaea bifida n
S. fistulosa
Sticherus cunninghamii
Trichomanes elongatum n
T. reniforme
T. venosum n