

\**Daucus carota*  
*Daucus glochidiatus*  
*Dichondra repens* agg.  
*Dichondra* "flannel-leaf"  
*Dysoxylum spectabile*  
*Entelea arborescens*  
*Gaultheria antipoda*  
*Geniostoma rupestre* var. *ligustrifolium*  
*Gnaphalium audax*  
 \**Gnaphalium coarctatum*  
*Gnaphalium limosum*  
*Gnaphalium involucreatum*  
*Haloragis erecta* subsp. *erecta*  
*Hebe stricta* var. *stricta*  
*Helichrysum lanceolatum*  
*Hoheria populnea* s.s.  
*Hydrocotyle heteromeria*  
 \**Hypochoeris radicata*  
*Knightia excelsa*  
*Kunzea ericoides* s.s.  
*Lapsana communis*  
*Leucanthemum vulgare*  
*Leucopogon fasciculatus* agg.  
*Leucopogon fraseri* s.s.  
 \**Linum bienne*  
 \**Lotus peduncularis*  
*Macropiper excelsum*  
*Melicytus micranthus*  
*Melicytus ramiflorus* var. *ramiflorus*  
*Metrosideros perforata*  
*Muehlenbeckia complexa*  
*Muhlenbeckia australis*  
*Myrsine australis*  
*Olearia furfuracea*  
 \**Plantago lanceolata*  
*Pomaderris ericifolia*  
*Pomaderris kumeraho*  
 \**Prunella vulgaris*  
*Pseudognaphalium luteoalbum* agg.  
*Pseudopanax crassifolius*  
*Ranunculus reflexus*

\**Ranunculus repens*  
*Rhabdothamnus solandri*  
 \**Rumex acetosella*  
*Schefflera digitata*  
*Senecio hispidulus*  
 \**Senecio esleri*  
*Senecio minimus*  
*Sison ammonum*  
*Taraxacum officinale*  
*Veronica plebeia*  
 \**Vinca minor*  
*Vitex lucens*  
*Wahlenbergia littoricola*

Fern allies (1)  
*Lycopodium volubile*

Ferns (22)  
*Adiantum cunninghamii*  
*Adiantum hispidulum* var. *pubescens*  
*Adiantum hispidulum* var. *hispidulum*  
*Asplenium* sp. (*A. bulbiferum* var. *laxum*  
 of Crookes and Dobbie 1963)  
*Asplenium bulbiferum*  
*Asplenium gracillimum* s.s.  
*Asplenium oblongifolium*  
*Blechnum filiforme*  
*Cyathea dealbata*  
*Cyathea medullaris*  
*Doodia media*  
*Pellaea rotundifolia*  
*Phymatosorus pustulatus*  
*Phymatosorus scandens*  
*Pneumatopteris pennigera*  
*Polystichum richardii* agg.  
*Pteridium esculentum*  
*Pteris* "comans NZ"  
*Pteris macilentia*  
*Pteris pendula*  
*Pteris tremula*  
*Pyrrosia eleagnifolia*

## The Lichens of Maungaraho Rock

Doug Rogan

Presented here is a list of 24 lichen taxa found on, or around the base of, Maungaraho Rock during the Bot Soc field trip on 21 June 1997. The list is fairly scant as only the lichens seen while climbing the rock and those on either side of the track around the base were noted. A more thorough and vigorous search would, I'm sure, at least double the species list presented here. The trouble with noting and collecting lichens is that invariably everyone else is more interested in the mundane higher plants which are easier (i.e. faster) to name and one ends up having to run to catch up the rear of the party all the time (yes - even on a Bot Soc trip!).

There were marked differences between the lichen populations on the exposed summit and the more sheltered base. On the exposed faces near the summit, *Cladonia* sp. were the main lichens present - terricolous (e.g. *C. enantia*); also the odd *Cladina*, and *Stereocaulon ramulosum*; saxicolous *Rhizocarpon* and *Xanthoria*; and occasional corticolous *Ramalina celastri*.

Near the base of the rock large foliose lichens such as *Pseudocyphellaria* spp. and *Rimelea cetrata* were fairly common. These were found growing on both rock and tree branches. Also common around the base of the rock, growing on sheer faces were enormous sheets of *Clathroporina exocha* to c.50 cm diameter (30 cm larger than quoted in Galloway 1985).

The diversity of lichens seen was surprisingly low, especially so given the quite different habitats available. Perhaps the isolation of Maungaraho Rock (it is surrounded by pasture) has contributed to this, although there is considerable variation in the vascular plants present.

Lichens present on Maungaraho rock	Substrate	Accession No.
<i>Caloplaca</i> sp.	S	
<i>Cladia agregata</i>	T	
<i>Cladina confusa</i>	T	
<i>Cladonia enantia</i>	T	
<i>C. capitellata</i>	T	
<i>Clathroporina exocha</i>	S	AK 233237
<i>Coccocarpia ?pellita</i>	T	AK 233236
<i>Degelia</i> sp.	T	AK 233235
<i>Lecanora</i> sp.	S	AK 233240
<i>Leptogium</i> sp.	C	
<i>P. dissimilis</i>	C	
<i>P. pickeringii</i>	T	
<i>P. rufovirescens</i>	S	
<i>Pertusaria</i> sp.	C	
<i>Pseudocyphellaria carpoloma</i>	S	AK 233239
<i>Ramalina celastri</i> subsp. <i>celastri</i>	C	
<i>R. peruviana</i>	C	AK 233238
<i>Rhizocarpon geographicum</i>	S	
<i>Rimelea cetrata</i>	C	
<i>Stereocaulon ramulosum</i>	T	
<i>Teloschisties flavicans</i>	C	<b>Key</b>
<i>Usnea</i> sp.	C	C = Corticolous (growing on wood)
<i>Xanthoparmelia</i> sp.	C	S = Saxicolous (growing on rock)
<i>Xanthoria parietina</i>	S	T = Terricolous (growing on ground)

#### Reference

Galloway D.J. 1985. Flora of New Zealand Lichens. Botany Division, D.S.I.R., Government Printer, Wellington.