



Lichen-covered tor by quadrat over clumps of white *Thamnotia vermicularis*. *A Knight*

Other plants found in this area were *Anisotome flexuosa*, *Coprosma perpusilla*, and *Gaultheria nubigena*.

Eventually it was time to leave. The original plan was for a group to stay overnight in the hut but as the forecast for the following day predicted snow, it was decided that it was too risky to leave vehicles up on the mountain. However two adventurous souls remained at the hut and walked down the next day in the snow that arrived during the night. The remainder of the original overnight party were kindly offered the use of a cottage by the McConnell family for the potluck meal. An enjoyable meal and good company rounded off a very satisfactory trip.

Waipori Forest fungal foray. Saturday 1st May, 2004

Arlene McDowell

A very enjoyable wonder was had by those who attended the BSO trip to Waipori Forest collecting fungi with David Orlovich. Waipori Forest is located near the Maungatua Range approximately 80 km south west of Dunedin. Our foray started in the car park for the Berwick Track where David gave us an introduction to collecting fungi with a few important tips including; to note what substrate the fungus was growing on, ensure the base of the mushroom is included when taking a specimen and that a collection should comprise three specimens so that sample identification is possible. The first part of the tract was through broadleaf forest where it looked like there had been a snowfall as the ground was covered in tiny white mushrooms. A slight increase in elevation brought us into manuka (*Leptospermum*) forest where it was a little drier, but there were still fungi to be collected. The last part of the collecting trip was along the Waitahuna River with an overstorey of beach (*Nothofagus menziesii*).

Upon returning to the Department of Botany, all of the collections were displayed on the lab benches. The number of different fungi collected in just a few hours was impressive and the diversity of forms amazing. The common names of 'bird's nest fungus', 'earth star' and 'coral fungus' aptly described their appearance. Colours of the

fungi ranged from red, orange, green and purple to the expected brown tones. The proud fungi collectors worked through the afternoon with David to identify their specimens. Representatives from a range of genera were found including *Cortinarius*, *Mycena*, *Russula* and *Lactarius*.

In addition to the successful BSO trip, the following day David returned to Waipori Forest and was able to make a further collection of an undescribed specimen that may be a new species of *Lepista*.

15/03/2004 **PLANT SPECIES LIST – BLUE MOUNTAINS (998m).**

Plants that are found from about 100m below the natural treeline elevation (c. 900m), to up along the open summit ridge of the Blue Mountains, Otago.

*Introduced species.

Acaena caesiiglauca - glaucous bidibid
 ? A novae-zelandiae - red bidibid
 Aciphylla aurea - golden speargrass
 A. "lomondii" (=A.?horrida of Heads)
 A. scott-thomsonii - giant speargrass
 Actinotus novae-zelandiae - (south end only)
 Agrostis muscosa - pincushion grass
 A. muelleriana (= A. subulata)
 Anemone tenuicaulis
 Anisotome aromatica
 A.flexuosa
 Aporostylis bifloia - odd leaved orchid
 Astelia fragrans - (bush flax)
 A.linearis

* **Betula** pubescens - downy birch
 Brachyglottis bellidioides
 B. haastii
 B. revolutus - (N and S ends)
 B. rotundifolia (= B. bennettii)
 B. southlandicus
 B. wairauensis
 Bulbinella angustifolia - (Maori onion)

Caladenia lyallii - orchid
 Cardamine corymbosa
 C. debilis - NZ cress
 Carex coriacea - cutty grass
 C. echinata - star sedge
 C. gaudichaudiana
 C. wakatipu
 Carpha alpina

Celmisia alpina
 C. argentea - silver cushion
 C. densiflora
 C. glandulosa - bog mountain daisy
 C. graminifolia
 C. lyallii - false speargrass
 C. prorepens
 C. semicordata ssp. aurigans
 C. sessiliflora - cushion daisy
 Centrolepis ciliata - a moss like cushion
 C. pallida - small pale-green cushion
 Chionocholea conspicua
 C. rigida -narrow-leaved snow grass
 Coprosma cheesemanii - sprawling Coprosma; dr
 normally orange but here multi-coloured
 C. cuneata clear red drupes
 C. ciliata - black, pink or cream drupes
 C. parviflora -leafy Coprosma; drupes blue
 to black, crimson or white
 C. perpusilla - very small (= C. pumila);
 drupes orange
 C. propinqua - mingimingi; drupes pale
 blue to indigo
 C. pseudocuneata - resembling C. cuneata
 but drupes orange
 Craspedia uniflora - soldier's button
 Cyathodes empetrifolia - bog mingimingi;
 prostrate shrub
 C. pumila - often confused with
 Pentachondra pumila but leaves
 whitish underneath

***Digitalis** purpurea – foxglove

- Donatia novae-zelandiae* - dark green hard cushion
Dracophyllum longifolium - inaka
D. politum - leaves thick; cushion-forming shrub
D. prostratum - leaves spreading, creeping subshrub
D. uniflorum - turpentine scrub
Drosera arcturi - alpine sundew
Deyeuxia avenoides - oat-like grass
- Empodisma minus** - wire rush (southern end only)
Epilobium alsinoides ssp. *atriplicifolium* - willowherb, resembling *Alsine* – a chickweed
E. brunnescens - creeping willowherb, leaves often bronze-coloured
E. pernitens - creeping willowherb, leaves glossy green
Euphrasia dyeri – small bog eyebright; purple eye
E. zelandica - small eyebright; on drier sites
- Forstera sedifolia** – sedum-leaved
F. tenella – slender forstera, delicate
- Gaimardia setacea** - much like *Centrolepis ciliata*
Gaultheria antipoda - bush snowberry; fool's beech
G. crassa - scarlet snowberry; lily of the valley shrub
G. depressa - mountain snowberry
G. macrostigma - snowberry (= *Pernettya macrostigma*)
Gentiana grisebachii – marsh gentian; annual
G. lineta – linear leaves, small & narrow; rare
G. patula – like *G. bellidifolia* but with longer stems
Geranium microphyllum – small-leaved cranesbill
G. sessiflorum - short-flowered cranesbill, green leaf
G. sessiflorum var. *glabrum* - short-flowered cranesbill, bronze leaf
Geum leiospermum
Gnaphalium mackayi - mat cudweed
- G.* (or *Pseudognaphalium*) *luteoalbum*
Griselinia littoralis - broadleaf (northern end)
Gunnera monoica
- Halocarpus bidwillii** - bog pine (= *Dacrydium bidwillii*)
Hebe odora - fragrant smelling
Helichrysum bellidioides - everlasting daisy (= *Anaphalloides bellidioides*)
H. filicaule - slender everlasting daisy
 **Hieracium lepidulum* - tussock hawkweed
 **H. pilosella* - mouse-ear hawkweed
Heterochloa equisetia - Holy grass
H. redolens
Hoheria glabrata - mountain ribbonwood
Hydrocotyle moschata - pennywort
 * *Hypochoeris radicata* - catsear
- Juncus antarcticus** - dwarf rush
J. novae-zelandiae - small rush
- Kelleria dieffenbachii** (= *Drapetes dieffenbachii*)
K. laxa - loose leaved (= *D. laxus*)
- Lagenifera petiolata**
Lepidothamus laxifolius - pygmy pine (= *Dacrydium laxifolium*)
Leucogenes grandiceps - South Island edelweiss; rare
Leucopogon fraseri - dwarf shrub; orange berries (= *Cyathodes fraseri*)
Luzula crinita var. *petriana* - alpine woodrush
L. rufa - red woodrush
Lyperanthus antarcticus - green hooded orchid
- Melicytus alpinus** (= *Hymenanthera alpina*) - porcupine shrub
Microtis unifolia - grass orchid
Montia fontana
Myrsine nummularia - creeping mapou
Muehlenbeckia complexa - small-leaved pohuehue
- Nertera depressa*
Nothofagus menziesii - silver beech

Olearia arborescens - glossy small tree
daisy
O. nummularifolia - thick rounded leaves
(north end)
Oreobolus pectinatus - comb sedge
O. strictus - forms loose cushions
Oreomyrrhis ramosa
Oreostylidium subulatum - star-like rosette
herb; needle leaved
Ozothamnus leptophyllus - mountain
cottonwood (= *Cassinia vauvilliersii*)

Pentachondra pumila - dwarf heath; leaves
purplish
Phormium cookianum - mountain flax
Phyllachne colensoi - flat cushion; leaves
smaller than *Donatia*
Phyllocladus alpinus - mountain toatoa
/celery pine
Pimelea oreophila - dwarf mountain daphne
P. sp.
* *Pinus contorta* - lodgepole pine
Plantago novae-zelandiae - NZ plantain
* *Poa annua* - annual poa
P. breviglumis
Prasophyllum colensoi - onion orchid
Pratia angulata creeping herb, pink berries
Pseudopanax colensoi - threefinger
(northern end)

Ranunculus gracilipes - slender feathery-
leaved buttercup; bogs
R. multiscapus (= *R. lappaceus*) grassland
buttercup
Raoulia glabra - mat daisy; bright-green;
glabrous leaves
R. subsericea - mat daisy; pale-green leaves
* *Rumex acetosella* - sheep's sorrel
Rytidosperma australe
R. sp.

Schoenus pauciflorus - sedge tussock;
purple sheaths

Synonyms (=): Sometimes the old name is given first, sometimes the new. You can sort out which on the New Zealand Plant Name Index: <http://nzflora.LandcareResearch.co.nz/>

The original plant list was prepared by Michael Heads for a report to the NZ Forest Service on "Entomological Survey of the Blue Mountains" by BH Patrick BIP Barrett and M Heads in 1985 and has been amended/updated by John Douglas and Alan Mark. March 2004.

Scirpus aucklandicus - rush-like
Scleranthus uniflorus - brown moss-like
cushion
Stellaria parviflora - small-flowered
chickweed

Thelymitra ?sp.

Uncinia fusco-vaginata - hooked sedge;
brown sheath
U. rubra - reddish hooked sedge
Utricularia monanthos - bladderwort
(southern end)

Viola cunninghamii - white mountain
violet

Wahlenbergia albomarginata - New
Zealand harebell

Ferns and Fern Allies

Blechnum penna-marina - little hardfern
Hymenophyllum multifidum - filmy fern
Hypolepis millefolium - thousand-leaved
fern
Lycopodium australianum - fir clubmoss
L. fastigiatum - mountain clubmoss
L. scariosum - creeping clubmoss
Polystichum vestitum - prickly shield fern

Mosses

Racomitrium crispulum - woolly brown
moss
R. pruinosum - woolly white moss
R. ptycophyllum - woolly green moss

Lichens

Cladia retipora - coral lichen; cushion bogs
C. sullivani - brown lichen; cushion bogs
Thamnosia vermicularis - white worm
lichen