

FNCV FUNGAL FORAY: EMERALD LAKE PARK, 14th May 2006

The aim of the Fungal Forays is to increase recognition of fungi in the field.

Despite the forecast of a damp Mother's Day morning (correct unfortunately), seventeen members and two visitors rugged up ready to survey the Park's fungi. Swathed in an assortment of wet weather gear, we headed towards the Wishing Well walk.

The Foray commenced with an exotic fungus Ugly Milk Cap, *Lactarius plumbeus*, under a Silver Birch (*Betula pendula*), being sighted within the carpark area. As the group left the carpark the yellow and brown zoning of substantial numbers of Hairy Curtain Crust, *Stereum hirsutum* (see Fig. 1) caught our attention and offered an interesting opportunity for photographers.



Fig. 1. *Stereum hirsutum*
Photo: © Paul George



Fig. 2. *Pholiota aurivella*
Photo: © Paul George

Good news! The Park Ranger, Richard, advised he had found some stinkhorns and would show us after lunch, also offering the Park's conference room for our break.

Even on a bleak day, the golden cap and stem of *Pholiota aurivella* (see Fig. 2) easily caught our attention. This fungus has a very glutinous cap (even without rain), fibrillose stem and buff/brown gills. A bit further along, the first of multiple sightings of *Coprinus disseminatus*, emerging creamy yellow, greying as they age until auto-digesting. One sighting from a distance prompted one gumbooted forayer to ford the small creek, and while returning found a foot in the air whilst the gumboot remained stuck.

As usual, various *Mycena* were abundant along the track, some of which included *M. austrofilopes*, *M. viscidocruenta*, and *M. vinacea* with its deep lilac cap, paler gills and dark stem. Another interesting find was Barometer Earthstar, *Astraeus hygrometricus* (see fig. 3) which is easily distinguished by the tessellated pattern on the thick, leathery rays. A total of 63 species for our first session.



Fig. 3. *Astraeus hygrometricus*
Photo: © Paul George



Fig. 4. *Clathrus archeri*
Photo: © Paul George

After a welcome, and dry, break, we were off to see the stinkhorns: Seastar Stinkhorn, *Clathrus archeri* (see Fig. 4) (previously *Anthurus archeri*). This fungus starts off as an off-white/cream 'egg' which bursts open to reveal bright red arms with a white/pinkish hollow stem. Before the rain finally won the day, the group listed a further 14 species to make the day's tally 77 in all. Thanks to Paul George for the unenviable task of recording the field notes in such adverse conditions, and to all who attended despite the wet.

Arthur and Denise Carew

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Emerald Lake Park

Vegetation - Wishing well walk:- Historically this area was developed as a nursery by a Swedish nurseryman, C.A. Nobelius. The Carpark area and the Wishing Well walk reflect these plantings. Tree and Bracken ferns are common along the creek.

- **Messmate Shelter area:-** This area is typical of the region with native Eucalypts, Wattles and Banksia with an understory of Bracken and Shrubs.

GPS reading at carpark: 37° 55' 47''S; 145° 27' 34''E

Table sorted into alphabetical order

No = sequential numbering of species as they were found; **T** = Fungimap Target species; **S** = specimens taken for further examination

See FDU p. # = *Fungi down under: the Fungimap guide to Australian fungi* by Pat Grey and Ed Grey. Fungimap 2005

See Fuhrer # = *A field guide to Australian fungi* by Bruce Fuhrer. Blooming Books 2005

See McCann p. # = *Australian fungi illustrated* by I. R. McCann. MacDown Productions 2003.

No	S	T	Type	Species	Description	Substrate
12			Gill	<i>Agaricus</i> sp.		Soil
2		T	Gill	<i>Amanita muscaria</i>	See FDU p.19.	Soil
66			Gill	<i>Amanita</i> sp.	Pallid colour with a yellowish veil covering cap.	Soil, leaf litter
17		T	Gill	<i>Armillaria luteobubalina</i>	'Australian Honey fungus'. See FDU p.23.	Live tree
35			Gill	<i>Armillaria</i> sp.	Small viscid cap (30 mm diameter); pallid colours without a trace of yellow.	Wood
47		T	Earthstar	<i>Astraeus hygrometricus</i>	'Barometer Earthstar'. Under plane trees. See FDU p.86.	Soil, leaf litter
69			Gill	<i>Austropaxillus infundibuliformis</i>	See Fuhrer # 275.	Soil, from under a log
65		T	Asco	<i>Banksiamyces macrocarpus</i>	'Large Banksia Disc'. On <i>Banksia spinulosa</i> var. <i>cunninghamii</i> . See FDU p.112.	<i>Banksia</i> cone
75			Bolete	<i>Boletus</i> sp.	Crimson/red cap over a yellow ground; areolate cracking on the cap; bright yellow pores that rapidly stain bright blue when bruised and eventually become blue/black; stem is crimson with purple tints and has a shallow vertical reticulation over pallid yellow ground.	Soil, leaf litter
61			jelly	<i>Calocera</i> sp.	See Fuhrer # 450.	Wood

No	S	T	Type	Species	Description	Substrate
76			Gill	<i>Cantharellus</i> sp.	Bright orange decurrent gills. One specimen with two caps on one stem. Cf. <i>C. concinnus</i> . See Fuhrer # 29.	Soil, leaf litter
57			Asco	<i>Chlorociboria aeruginascens</i>	See Fuhrer # 474.	Log
67		T	Stinkhorn	<i>Clathrus archeri</i> (prev. <i>Anthurus archeri</i>)	'Seastar Stinkhorn'. A cluster of 4 open fruitbodies and 3-4 unopened 'eggs'. Slimy gleba on upper surface of arms. See FDU p.94.	Soil, leaf litter
34			Coral	<i>Clavaria</i> sp.	Simple cylindrical bright orange clubs (cf. <i>C. amoena</i>), 50 mm tall, slightly wrinkled towards apex; no clear distinction between fertile and infertile areas.	Soil and leaf litter
54			Coral	<i>Clavicornia piperata</i> group	Delayed peppery taste. See Fuhrer # 307.	Wood
29			Coral	<i>Clavulina subrugosa</i>	See Fuhrer # 310.	Soil
70			Gill	<i>Clitocybe clitocyboides</i>	See Fuhrer # 31.	Soil, leaf litter
40			Gill	<i>Collybia eucalyptorum</i>	Under a mix of exotic trees and eucalypts. See Fuhrer # 36.	Wood
15			Gill	<i>Coprinus disseminatus</i>	A troop of many specimens. See Fuhrer # 40.	Leaf litter
74			Gill	<i>Cortinarius alboviolaceus</i>	See Fuhrer # 47.	Soil
73			Gill	<i>Cortinarius archeri</i>	See Fuhrer # 48.	Soil
77		T	Gill	<i>Cortinarius rotundisporus</i>	See FDU p.30.	Soil, leaf litter
53			Gill	<i>Cortinarius</i> sp.	Small pallid fruitbodies with purple tinges.	Soil and leaf litter
55			Gill	<i>Cortinarius</i> sp.	Cf. <i>C. alboviolaceus</i> . Pallid cap and stem; dry stem; rusty spores.	Soil and leaf litter
51			Gill	<i>Crepidotus</i> sp.	Yellow. See McCann p.28 upper left.	Wood
52			Gill	<i>Crepidotus</i> sp.	White; brown spores.	Wood
72		T	Gill	<i>Dermocybe austroveneta</i>	'Green Skinhead'. See FDU p.34.	Soil, leaf litter
71		T	Pore	<i>Dictyopanus pusillus</i>	'Little Ping-pong Bat'. See FDU p.64.	Log
63			Gill	<i>Entoloma</i> sp. 'fawn bluey'	Fawn cap; metallic blue stem.	Soil
58			Gill	<i>Entoloma sericella</i>	White silky cap and stem; gills pinkish; cap is upturned.	Soil
22			Gill	<i>Entoloma</i> sp.	Fawn cap with a depressed dark centre; dark smooth stem. In grass.	Soil
24			Gill	<i>Entoloma</i> sp.	Dark brown/grey cap and stem; depressed centre to cap; buff gills.	Soil
41			Gill	<i>Entoloma</i> sp.	Felty dark brown expanded cap; pinkish gills; smooth brown stem.	Soil
62			Gill	<i>Entoloma viridomarginata</i>	See Fuhrer # 85.	Soil, moss
30			Jelly	<i>Exidia</i> sp.	With small white bumps.	Rotten branch
31			Gill	<i>Flammulina velutipes</i>	Caespitose. See Fuhrer # 90.	Base of a dead tree
60			Pore	<i>Fomitopsis lilacinogilva</i>	See Fuhrer # 389.	Wood
23			Bracket	<i>Ganoderma auastrale</i>	See Fuhrer # 390.	Wood
27			Jelly	<i>Heterotextus peziziformis</i> (<i>H. miltinus</i>)	See Fuhrer # 451.	Branch
64			Gill	<i>Hypholoma aurantiaca</i>	See Fuhrer # 135.	Mulch

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6			Gill	<i>Hypholoma australe</i> (<i>H. sublateritium</i>)	See Fuhrer # 138.	Wood
49			Gill	<i>Hypholoma fasciculare</i>	'Sulphur Tuft'. See Fuhrer # 137.	Log
7			Gill	<i>Laccaria</i> sp.	Dark gills.	Soil
45			Cup	<i>Lachnum</i> sp.	Yellow centre, not very hairy. See Fuhrer # 504.	Dead tree fern frond
36			Gill	<i>Lactarius deliciosus</i>	'Saffron Milk Cap'. Under conifers. See Fuhrer # 149.	Soil
1			Gill	<i>Lactarius plumbeus</i>	'Ugly Milk Cap'. Under Silver Birch. See Fuhrer # 152.	Soil
33			Gill	<i>Lentinellus flabelliformis</i>	Ragged gills on small fan-shaped fruitbodies..	Small wood
42			Gill	<i>Lepiota</i> sp.	Cap stains red.	Soil
19		T	Gill	<i>Lepista nuda</i>	'Wood Blewit'. Under conifer See FDU p.42.	Soil
11			Gill	<i>Leucocoprinus</i> sp.	Thin white cap with grey centre umbo.	Soil
20			Gill	<i>Macrolepiota</i> sp.		Soil
21			Gill	<i>Marasmius</i> sp.		Soil
28			Gill	<i>Marasmius</i> sp.	Very small orange cap with scalloped edges and radial ridges; fine dark hair-like stems; wide spaced gills; no collar.	On small twigs
59			Puffball	<i>Morganella subincarnata</i>	A globose puffball with very fine dark spines; no stem. See McCann p.101.	Wood
25			Gill	<i>Mycena austrofilopes</i>	See Fuhrer # 190.	Wood
50		T	Gill	<i>Mycena interrupta</i>	'pixie's Parasol'. See FDU p.47.	Log
9			Gill	<i>Mycena kuurkacea</i>	See Fuhrer # 199.	Log
46			Gill	<i>Mycena mulawaestris</i>	Slimy dark brown conical cap with dark gill margins. See Fuhrer # 205.	Wet log, in stream
13			Gill	<i>Mycena</i> sp.	Small white <i>Mycena</i> (7 mm tall, cap 3-4 mm diameter) with grey translucent striate cap; no odour detected; gills free.	Twig
56			Gill	<i>Mycena</i> sp.	Pointy conical dark-honey caps that are very slimy and have a dark margin; gills white, not marginate.	Log
39			Gill	<i>Mycena vinacea</i>	See Fuhrer # 212.	Soil, leaf litter
26		T	Gill	<i>Mycena viscidocruenta</i>	'Ruby Bonnet'. See FDU p.50.	Twig
14			Gill	<i>Omphalina umbellifera</i>	See Fuhrer # 223.	
18			Gill	<i>Pholiota aurivella</i> group cf. <i>adiposa</i>	Golden cap and stem; cap glutinous; fibrillose stem; buff/brown gills.	Old log
43			Pore	<i>Polyporus</i> sp.	Small fans (~15 mm diameter) with very fine white pores.	Twig
16			Gill	<i>Psilocybe subaeruginosa</i>	Blueing stem, deep yellow caps. See Fuhrer # 247.	Soil, leaf litter
8			Coral	<i>Ramaria</i> sp.	Coral, club ends rounded and thick; dirty white colour.	Soil
48			Gill	<i>Rickenella fibula</i>	See Fuhrer # 250.	Mossy log
68			Gill	<i>Russula clelandii</i>	Reddish purple caps; yellow gills with dark margins; pinkish stem. See McCann p.67.	Soil, leaf litter

No	S	T	Type	Species	Description	Substrate
37			Gill	<i>Russula</i> sp.	Dark red cracked cap; cream yellow gills; stem cream with pink tints. Under conifers. Cf. <i>R. integra</i> . Spore print yellow.	Soil, grass
38			Gill	<i>Russula</i> sp.	As above, but with cream stem.	Soil, grass
10			Puffball	<i>Scleroderma</i> sp.		Soil
4		T	Leather	<i>Stereum hirsutum</i>	'Hairy Curtain Crust'. Yellow with hairy upper surface. See FDU p.78.	Log
3			Pore	<i>Trametes versicolor</i>	See Fuhrer # 424.	Log
32			Jelly	<i>Tremella</i> aff. <i>fimbriata</i>	A dark 'Witches Butter', but clumpy rather than leafy. See Fuhrer # 546.	Dead wood
5		T	Jelly	<i>Tremella fuciformis</i>	'White Brain'. See FDU p.83.	Log
44		T	Gill	<i>Xerula australis</i> (in <i>Oudemansiella radicata</i> group)	See FDU p.54.	Soil, leaf litter