

Tyntesfield Audit, 27 October 2022

An initial decision to start our Audit in Paradise and to concentrate on the lawns around the house became fully justified when we discovered large numbers of fungi in that area and in some of the associated lawns. In fact, the entire Audit was restricted to the lower parts for the Estate and we were unable to visit the upper woodlands on this occasion. Over 100 records were made, representing 74 different species. These included three species new to Tyntesfield - *Entoloma corvinum*, *Hygrophorus chrysodon* (see below), and *Agaricus macrocarpus*, one of the larger field mushrooms. Fungi were also well represented in Paradise, where several mycorrhizal species associated with the various conifers were locally common. Paradise also revealed the first waxcap of the season (*Hygrocybe calciphila*). Other waxcaps (*Cuphophyllus virgineus*, *Gliophorus psittacinus*, *H. chlorophana* and *H. insipida*), along with the rare Earth Tongue (*Microglossum truncatum*) were seen on lawns near the house.

List of Fungi

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<i>Agaricus campestris</i>	<i>Hebeloma sinapizans</i>	<i>Lycoperdon perlatum</i>
<i>Agaricus langei</i>	<i>Hemimycena cucullata</i>	<i>Lycoperdon pratense</i>
<i>Agaricus macrocarpus</i>	<i>Hygrocybe calciphila</i>	<i>Marasmius oreades</i>
<i>Agaricus porphyizon</i>	<i>Hygrocybe ceracea</i>	<i>Melanoleuca grammopodia</i>
<i>Armillaria mellea</i>	<i>Hygrocybe chlorophana</i>	<i>Melanoleuca polioleuca</i>
<i>Bolbitius titubans</i>	<i>Hygrocybe conica</i>	<i>Microglossum truncatum</i>
<i>Boletus chrysenteron</i>	<i>Hygrocybe insipida</i>	<i>Mucidula mucida</i>
<i>Cerionopus squamosus</i>	<i>Hygrophoropsis aurantiaca</i>	<i>Mycena flavoalba</i>
<i>Clavaria fragilis</i>	<i>Hygrophorus chrysodon</i>	<i>Mycena haematopus</i>
<i>Clavulinopsis helvola</i>	<i>Hymenopellis radicata</i>	<i>Mycena pura</i>
<i>Clitocybe fragrans</i>	<i>Hypholoma fasciculare</i>	<i>Mycena rosea</i>
<i>Clitocybe geotropa</i>	<i>Inocybe geophylla</i>	<i>Parasola conopilea</i>
<i>Clitocybe nebularis</i>	<i>Inocybe geophylla var lilacina</i>	<i>Pluteus nanus</i>
<i>Coprinopsis lagopus</i>	<i>Inocybe mixtilis</i>	<i>Ramaria stricta</i>
<i>Crepidotus mollis</i>	<i>Laccaria laccata</i>	<i>Rugosomyces carneus</i>
<i>Crinipellis scabella</i>	<i>Lacrymaria lacrymabunda</i>	<i>Russula chloroides</i>
<i>Cuphophyllus virgineus</i>	<i>Lactarius fulvissimus</i>	<i>Russula delica</i>
<i>Entoloma corvinum</i>	<i>Lactarius pyrogalus</i>	<i>Russula parazurea</i>
<i>Entoloma exile</i>	<i>Lactarius quietus</i>	<i>Russula sanguinaria</i>
<i>Entoloma rhodopolium</i>	<i>Lactarius semisanguifluus</i>	<i>Sphaeropsis visci</i>
<i>Entoloma serrulatum</i>	<i>Lepiota castanea</i>	<i>Stropharia inuncta</i>
<i>Fomitopsis betulina</i>	<i>Lepiota cristata</i>	<i>Suillus granulatus</i>
<i>Ganoderma australe</i>	<i>Lepista flaccida</i>	<i>Tricholoma scalpturatum</i>
<i>Gliophorus psittacinus</i>	<i>Lepista nuda</i>	<i>Tubaria furfuracea</i>
<i>Gymnopus dryophilus</i>	<i>Lepista saeva</i>	<i>Xylaria hypoxylon</i>

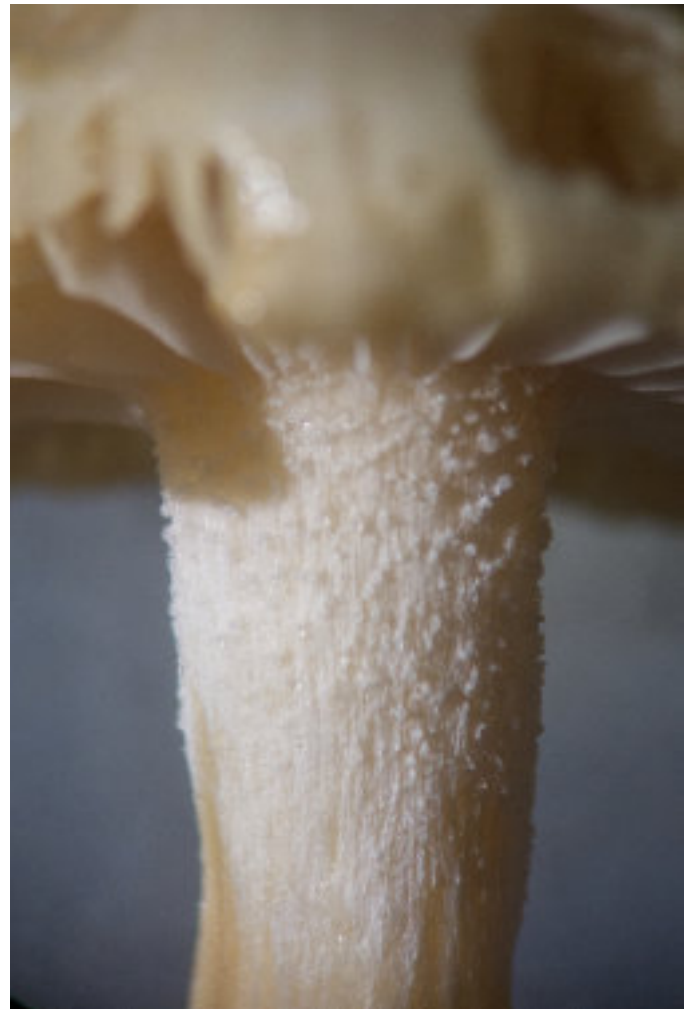
***Clitocybe nebularis* - Clouded Funnel.** Many large examples were present in high numbers at the entrance to Paradise.



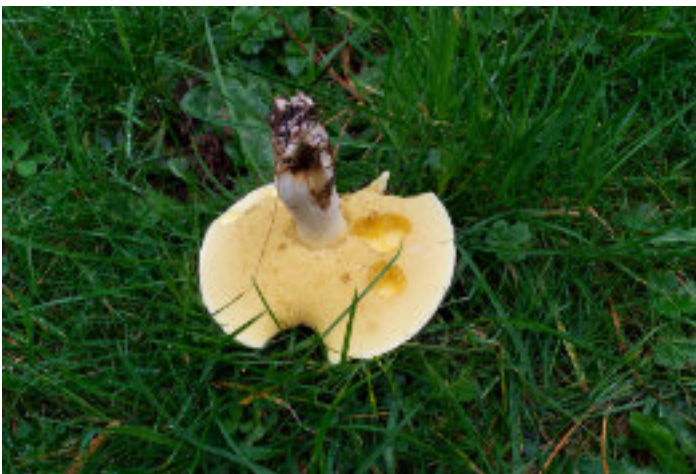
***Entoloma corvinum* - Crow Pinkgill:** one of the specialised CHEG grassland fungi. It was found for the first time on lawns in association with *Microglossum truncatum*. The brown caps support gills that have black serrated edges. A new species for Tyntesfield.



***Hygrophorus chrysodon* (Gold Flecked Woodwax):** a pale pink/ochre species that is identified by the presence of granules at the top of the stipe and, unlike *H. discoxanthus*, has no reaction with NaOH



***Suillus granulatus* - Weeping Bolete:** a large reddish brown species (10-13cm across) with bright yellow pores, which grows commonly in Paradise under pines. Like the *Hygrophorus* described above it has a characteristic stem, with pale yellow droplets just below the cap when young.



Two other species were found in Paradise - ***Lycoperdon perlatum* (Common Puffball)** (below left) and ***Lactarius semisanguifluus*** (below right). The latter has an orange cap that soon turns green. Its orange milk turns a dark magenta within a few minutes.



***Agaricus porphyizon* - (Lilac Mushroom):** an unusual pink relative of the common field mushroom. It was found in Paradise.



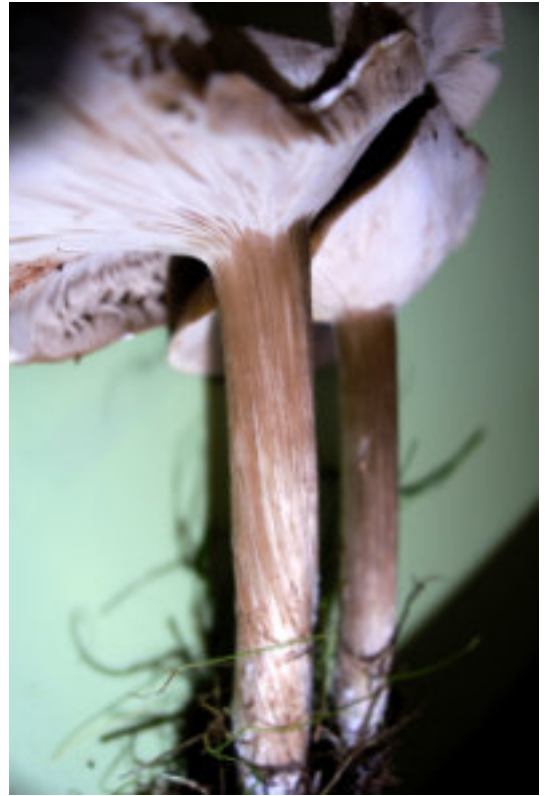
***Boletus chrysenteron* - (Red Cracking Bolete):** this example was one of the larger boletes (12cm across) seen in Paradise.



***Armillaria mellea* - Honey Fungus.** This destructive species was evident throughout the lower Estate, with large numbers in Paradise, including some very large fruiting bodies.



***Melanoleuca grammopodia* - Grooved Cavalier:** several clusters were found in grass near the Stables. The brown caps were large (10 -15cm). The essential diagnostic feature is the finely grooved stem.



***Hypholoma fasciculare* - Sulphur Tuft:** these large examples seemed to be growing in grass, but an underlying wooden substrate was soon discovered.



***Stropharia inuncta* (Smoky Roundhead):** it is common in rough grass. Like other species of *Stropharia* it has characteristic chrysocystidia which stain readily in Patent Blue

