

### **Bracket and Woody Fungi. The Aphyllophorales**

**The fruiting bodies are leathery or woody.**

**The hymenium or spore bearing surface can be smooth, ridged, pored, laminate or toothed but they lack true gills.**

**Many grow on wood but some are terrestrial. They are mostly saprobic, causing:- brown or white rot.**

**Brown rot - cellulose is rotted leaving the lignum.**

**White rot - lignum is also rotted. Some are mycorrhizal, some are parasitic.**

#### *Aleurodiscaus australiensis*

Division Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Disc shaped resupinate Stereum with slightly reflexed edges, pink or tan, with a white growing edge. Hyphal system monomitic.

**Fertile surface.** Plane to slightly pruinous ( covered with fine powder) hymenophore.

**Habitat.** On old wood.

#### *Amauroderma rude*

Division Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Cap.** 6 cm, rough, woody, light and dark brown ridges, slightly convex.

**Pores.** Small, white, turning red on bruising

**Stipe.** Long , brown, velvety, slightly off centre.

**Spore print.** Yellow.

**Habitat.** On old buried wood.

#### *Antrodiella zonata*

##### **Previously known as *Irpex zonatus***

Division Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Extensive brackets arising from a closely adhering base, upper surface zoned cream to orange, smooth.

**Pores.** Tooth-like, flat or tubular.

**Spore print.** White.

**Habitat.** On dead tree branches.

#### *Antrodiella citrea*

Division Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruitbody.** Resupinate fungus, soft, forming narrow shelves, non pored surface is yellow.

**Pored surface.** White, small pores.

**Spore print.** White, small spores.

**Habitat.** On wood.

#### *Bondarzewia berkeleyi*

Division Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Large compound bracket fungus, cream with darker zones.

**Pores.** Small irregular pores / spines on paler under surface.

**Spore print.** Colorless.

**Habitat.** On trees causing white rot.

*Cantharellus concinnus*

Division Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Cap.** Bright orange to pinkish orange, flat to funnel shaped with an inrolled margin when young. Undersurface. Irregular gill like folds run from the margin decurrently down to the stem.

**Stipe.** Short, same colour as the cap.

**Spore print.** White.

**Habitat.** On soil.

*Cantharellus sp.*

Division Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** 9 cm in diameter and deeply infundibular in shape. The upper surface smooth, with a very irregular margin. The lower surface had numerous interbranching ridges, diminishing in thickness basally to form a short stem. Both upper and lower surfaces were a deep yellow.

**Spore print.** White.

**Habitat.** On soil.

*Craterellus cinereus*

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruitbody.** This was a small immature specimen. The funnel shaped cap extended deeply to the hollow stem. Inside of cap, grey, radially fibrillose.

**Hymenial surface.** Grey with well defined irregular ridges.

**Stem.** Hollow, concolorous with cap.

**Spores.** White.

**Habitat.** On soil.

*Craterellus cornucopioides*

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruitbody.** Trumpet shaped and papery, dark grey on inside of funnel.

**Hymenial outer surface.** Pale grey, shallowly furrowed.

**Spore print.** Cream.

**Habitat .** On soil.

*Coltricia cinnamomea (syn oblectans)*

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Funnel shaped to 5 cm dia., fibrillose with a silky sheen, zoned brown to tan. The under surface has irregular shaped cinnamon pores.

**Stem.** Central, velvety, ochre coloured.

**Spore print.** Yellowish brown

**Habitat.** On soil.

*Coltricia sp.*

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Funnel shaped polypore, upper surface velvety, zoned ochre to brown. The under surface has irregularly shaped light brown pores.

**Stem.** Central, velvety, ochre.

**Spore print.** Brown.

**Habitat.** On soil.

*Cyclomyces setiporus*

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Fan-shaped bracket fungus with a lateral attachment. Zoned in shades of brown and tan.

**Pores.** Ochre coloured, with hairy appearance.

**Habitat.** On old wood.

*Cymatoderma elegans*

(*Prev. Cymatoderma lamellatum*)

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Large funnel-shaped with zones of white to buff, vertically ridged upper surface. The lower surface is also ridged, colour white to cream.

**Stem.** Short, stout, brown.

**Spore print.** White.

**Habitat.** On old rotting logs

*Fistulina hepatica*

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Brownish red, firm but fleshy, radially wrinkled upper surface, attached by a short lateral stem. The fertile surface has flesh- pink or yellow separate pores or tubes.

**Spores.** Pink.

**Habitat.** On dead wood.

*Fomitopsis lilacinogilva*

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Long shelving bracket fungi with a broad lateral attachment.

Upper surface ridged, pale buff to brown in colour with a pink to pale mauve margin. **Pores.** Pale mauve-lilac, bruising to a deeper shade.

**Spore print.** Colourless.

**Habitat.** On old wood causing a rot.

*Ganoderma australe*

Previously *Ganoderma applanatum*

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Large woody bracket fungus, upper surface brown with uneven ridges, no stem.

**Pores.** Small, white, becoming brown with age.

**Spore print.** Ochre.

**Habitat.** On living and dead trees in forest.

*Gloeophyllum sepiarium*

(*Mazegill*)

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Woody, fan-shaped bracket fungus. Upper surface zoned rusty brown to orange on the growing margin.

**Pores** On the under surface has new pale pores near the margin but the older darker pores form ridges radiating irregularly from the attachment.

**Spores.** Colourous.

**Habitat.** On dead wood.

***Grifola sp.(? colensoli)***

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Compound cluster of large lobe –like caps with lateral stems that join with a short basal attachment to the substrate. The upper surfaces are buff to brown longitudinally streaked.

**Pores.** The buff coloured under surface has irregular shaped pores that are decurrent down the stem.

**Habitat.** On base of trees

***Hericium coralloides Prev Hericium clathroides)***

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Off-white branching fragile spines, attached to the substrate by a thick stipe.

**Spore print.** White.

**Habitat.** This fungus was growing in large clumps along a fallen log.

***Hexagonia tenuis***

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Bracket fungus with a lateral attachment, upper surface brown and radially grooved with a pale margin.

**Pores.** Shallow and angular.

**Spore print.** White.

***Hymenochaete sp.***

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruitbody.** Thin & leathery, upper surface has concentric, ripple like ridges, in shades of dark rusty-brown.

**Hymenium.** Smooth, matt, with a pale margin; dark rusty-brown.

**Spores. Colorless.**

**Habitat.** On wood.

***Junghuhnia sp.***

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Crusting, poroid resupinate wood rotting fungus.

**Pores.** Moderately large, vertically aligned

Spore print. Colourless

**Habitat.** On old wood.

***Phaeotrametes decipiens***

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Hoof –shaped brackets on wood. The upper surface is brown with parallel grooves,

**Pores.** Large white.

**Spore print.** Yellowish white.

**Habitat** . On dead wood in dry habitats, (commonly on *Casuarina* sp - she-oak).

*Phellinus robustus*

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Dense woody bracket fungus, the bracket may remain many years on living trees.

The new tubes and spores are rusty brown, and grow on the previous years tubes.

**Habitat.** On the trunks of living trees.

*Piptoporus australiensis*

**Curry punk**

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Large, thick bracket fungus to 12 cm radius with a thick broad attachment.

**Upper surface.** Scurfy creamy white and orange. Curry-like smell.

**Pores.** Large, bright orange.

**Habitat.** On trees and fallen branches, several joining to form long shelves

*Piptoporus portentosus*

Syn *Laetiporus* or *Polyporus portentosus*, white punk

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Large off- white with stalk like attachment. Old fruit bodies often fall and appear hard and spongy. Parasitic, causes heart rot.

**Spores** white.

**Habitat.** Grows high up in eucalypt trees

*Podoscypha petalodes.*

Eumycota Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Thin, fan shaped, orange-tan leathery lobes arising from a common attachment forming rosettes. Spore bearing surface is smooth.

**Spore print.** White.

**Habitat.** On buried wood.

*Podoserpula pusio* “Pagoda fungus”.

Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruitbody.** Tiered lobes on a central stem, buff to cream upper surface.

**Hymenium.** The undersurface of each lobe is pink & strongly wrinkled.

**Spore print.** White.

*Polyporus arcularius*

Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Cap.** Funnel shaped thin, leathery, brown, scaly with stiff hairs projecting radially from the margin.

**Pores.** Large angular & elongate pores, decurrent.

**Stem.** Relatively slender tough.

**Spore print.** White.

**Habitat.** On dead wood.

*Pycnoporus sanguineus*

(*Pycnoporus coccineus*)

Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Bright orange bracket fungus of variable size to 10 cm with a broad basal attachment.

**Pores.** Small, concolorous with the cap.

**Spore print.** White

**Habitat.** On dead wood.

*Ryvardenia campyla*

Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Compound soft leathery bracket.

**Pores.** Small, drops of clear fluid often seen on the pore surface .

**Spore print .** Cream.

**Habitat.** On wood

*Schizophyllum commune*

Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Cap.** Whitish to pale grey, irregular fan shaped, velvety surface.

**Gill like structures.** White to grey or brownish, radiating from the attachment. The gills are split longitudinally, and thus are not true gills.

**Stipe.** Absent.

**Spore print.** White.

**Habitat.** On dead wood.

*Stereum hirsutum*

Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Thin, leathery, in extensive closely adherent colonies.

**Upper surface.** Hairy, concentrically zoned in shades of orange brown.

**Lower surface (hymenium).** Smooth, yellow brown, extending along the substrate.

**Habitat.** On old wood

*Stereum illudens*

Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Flat, closely adhering, on the underside of dead branches. The upper surface is zoned with a velvety surface whilst the hymenial surface is violet brown with pale margins.

**Spore print.** White.

**Habitat.** On dead wood.

*Stereum ostrea*

Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Fan to funnel -shaped bracket fungus with a broad attachment. Thin leathery texture, with a velvety upper surface in bands of yellow to brown near the base. The spore bearing hymenium is deep golden yellow.

**Spore print.** White

**Habitat.** On old wood, often massed along fallen logs.

*Stereum rugosum*

Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Flat, resupinate, closely adherent to the substrate, upper surface buff coloured, the hymenial surface is beige to pale brown, rough and bleeds red where bruised.

**Spore print.** White

**Habitat.** On old wood.

*Stereum sanguinolentum*

Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Fan shaped fungus with a brown zoned upper surface, the fertile under surface is white and bruises red.

**Spore print.** White.

**Habitat.** On old damp wood.

*Thelephora terrestris*

Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruitbody.** Rosette shaped,  
Brown zoned slightly felty upper surface.

**Undersurface.** Pale, slightly furrowed but otherwise plane hymenium.

**Spores.** Brown.

**Habitat.** On leaf litter, sometimes associated with pines.

*Trametes hirsute*

Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Fan shaped bracket fungus, upper surface cream to beige, densely hairy or velvety on the upper surface.

**Pores.** Coarse, white.

**Spore print.** Colourless.

**Stem.** No stem, broadly laterally attached to the substrate.

**Habitat.** On dead wood.

*Trametes versicolor*

Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Fan shaped bracket fungus, upper surface with a wide range of colour variations, radially grooved with an undulating margin.

**Pores.** Small, white.

**Spore print.** White.

**Stem** lacking, laterally attached to the substrate.

**Habitat.** On dead wood often in extensive tiers.

*Trichaptum biforme*

Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Fan shaped bracket fungus, with concentric grooves on a felty grey upper surface, the margin is wavy and tinged with violet.

**Pores.** White angular, appearing felty when young.

**Habitat.** On old wood.

*Tyromyces sp.*

Subdivision Basidiomycotina Class Homobasidiomycetes Order Aphyllophorales

**Fruit body.** Thick, tough but pliant, moist, smooth upper surface. Cream to buff.

**Pores.** Regular pores and partially toothed pores.

**Spores.** Colourless.

**Habitat.** On wood