

Matchmaker: Mushrooms of the Pacific Northwest

Below are written descriptions and images of fruiting bodies, mushrooms, of the fungal species in this ectomycorrhizal association. The information is from the web version of the Matchmaker: Mushrooms of the Pacific Northwest (MMPNW) created by the Canadian Forest Service and based on the Windows MMPNW version 1.3 by Ian and Eli Gibson.

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LATIN NAME(S) *Lepiota atrodisca* Zeller

ENGLISH NAME(S) black-eyed parasol

NOTES recognized by its unusual grayish-black scales, other features include white scaly cap, free close white or creamy gills, white smooth dry stem, white or black-edged membranous ring, white spore deposit and dextrinoid spores; found at least OR (Zeller)

CAP 1-5(6)cm, oval or convex becoming broadly umbonate or flat, the margin sometimes uplifted when old; white with flattened black, gray, or greenish-gray scales or fibrils, the center usually darker (blackish); dry, (Arora), 2-5.5cm, hemispheric, subco

FLESH thin; white, not bruising, (Arora), thin; white, unchanging, in stem white, (Zeller), white and sometimes becoming dingy when old but not staining when touched, (PNW keys)

GILLS free, close; white or creamy, (Arora), free, ventricose, 0.3-0.5cm broad; edges slightly serrate, (Zeller), free, close or somewhat distant, in two tiers, near stem often with forks, cross walls, or both; edges finely fringed, (PNW keys)

STEM 2.5-10cm x 0.3-0.7cm, usually slender but sometimes rather stout, enlarged somewhat at the base; white or discoloring slightly upon handling; smooth, dry, (Arora), 5-12cm x 0.3-0.5cm, slender, equal to widening somewhat downwards, hollow stuffed with fibrils; white, finally sordid where touched; smooth, (Zeller), 1-11.5cm x 0.1-0.7cm, the base enlarged, stuffed becoming hollow; white sometimes bruising brown; smooth, rarely powdery, (PNW keys)

VEIL membranous, forming a fragile sleeve-like white or black-edged ring at or above middle of stem, or sometimes disappearing, (Arora), ring membranous, white above, brownish below with a blackish margin, superior, persistent, (Zeller), ring flares up like a collar and hangs down like a skirt, usually persistent, pale on upper surface, light brown on lower surface, frequently with a blackish lower margin, (PNW keys)

ODOR none (Zeller), unremarkable (PNW keys)



Fred Stevens (MykoWeb)



Michael Beug

TASTE pleasant (Zeller), unremarkable (PNW keys)

EDIBILITY unknown, don't experiment

HABITAT "solitary, scattered, or in small groups on ground or rotting wood under both hardwoods and conifers", (Arora), gregarious to solitary in coniferous forests on humus and rotten logs, (PNW keys)

SPORE DEPOSIT white (Arora, Zeller)

MICROSCOPIC spores 6-8 x 3-5 microns, elliptic, smooth, dextrinoid, no germ pore, (Arora), spores 7 x 4 microns, elliptic-ovoid, smooth; cheilocystidia clavate, not particularly characteristic, (Zeller), spores 6.3-7.9 x 3.1-4.7(5.7) microns, ovoid to elliptic and tapered, thick-walled, without germ pore, pale brown or pale reddish in Melzer's; pleurocystidia absent, cheilocystidia clavate, cylindrical, or ventricose, sometimes encrusted; cap cuticle filamentous trichodermium, often tangled and appearing loosely interwoven and sometimes flattened, the cells septate and elliptic or cylindrical with ends that may be constricted or Y-shaped, (PNW keys)

NAME ORIGIN means 'with black disc'

SOURCES Zeller(1), Arora*, Lincoff(2)*, PNW keys

FAMILY Agaricaceae of Order Agaricales