

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) *Pluteus pellitus* (Pers.:Fr.) Kummer Fuhr. in die Pilzk.: 98. 1871

NOTES diagnostic characters are small to medium size, flat to flat-convex cap when mature, dull white bald cap, white stem, pleurocystidia of cervinus type, and pileipellis without clamp connections, other features shared by most *Pluteus* species include free close to crowded gills, pinkish spore deposit, and growth on wood, in this case hardwood; Banerjee examined collections from WA, ON, IL, KY, MI, OH

CAP 3-5(8)cm, obtuse when young, expanding to convex or flat-umbonate or with a shallow depression; evenly dull white and changing to "yellowish-white" (K&W) when old; moist but not hygrophanous, bald, somewhat radially fibrillose

FLESH moderately thick and cottony; white

GILLS remote from stem when old, close to crowded, broad, 1-2 tiers of subgills; white, becoming pink, edges whitish; edges slightly fringed

STEM 4-10cm x 0.4-0.8cm, "equal or evenly enlarged", sometimes with a broadened bulbous base, firm; white throughout and not changing appreciably; bald in upper part but somewhat fibrillose in lower part, squamose (scaly) around base, lacking persistent mycelium at stem base

ODOR fungoid

TASTE mild radishlike

HABITAT solitary to scattered on wood of hardwoods

SPORE DEPOSIT presumably pinkish



Michael Beug

MICROSCOPIC spores 6.8-7.8(9) x (4.6)5.4-6 microns, broadly elliptic to oval-elliptic, smooth, wall thin to only slightly thickened, hilar appendix inconspicuous; basidia 4-spored, occasionally 2-spored, 16-22 x 6-7.4(9) microns, colorless; pleurocystidia vary abundant, (34)55-80(90) x 9-16 microns, fusoid-ventricose to broadly cylindrical with an obtuse or occasionally truncated apex, few of magnus-type, all colorless, irregularly thick-walled (1.8-2 microns at apex), with 2-5 (mostly 2) short and blunt hooks at or near the apex, cheilocystidia 28-34 x 8-14 microns, sphaeropedunculate, rarely some similar to pleurocystidia but with thin walls; pileipellis or appressed radial hyphae, occasionally with a loosely formed ixotrichoderm, terminal members 50-125 x 4-7.4(10) microns, apices rounded, colorless; clamp connections none on pileipellis hyphae

NAME ORIGIN means 'with a skin'

SOURCES Banerjee(3)

FAMILY Pluteaceae of Order Agaricales