

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) *Rhodocollybia butyracea* (Bull.:Fr.) Lennox f. *asema* (Fr.:Fr.) Antonin, Halling, & Noordel.; *Collybia butyracea* var. *asema* (Fr:Fr) Quelet; *Collybia asema*

NOTES Arora and Courtecuisse list *asema* as a paler (grayish-brown) version of *butyracea*; found in North America, Europe, Asia, North Africa

CAP 2.5-5(7)cm, convex, soon expanded and flat, almost always obtusely umbonate; hygrophanous, horn-gray when moist, sometimes paler toward margin, fading on drying to ocher-gray, with darker center and whitish margin; smooth, buttery-shiny, margin sharp and finely translucent-striate, (Breitenbach), 1.5-6cm, usually less than 4cm, cap margin often raised above point of stem attachment when old, occasionally lobed or irregular; yellowish to dark reddish brown, fading to a warm buff; surface smooth, slippery, (PNW keys)

FLESH thin; whitish, light to dark brown under cap surface and above the gills, (Breitenbach), firm; pale, (PNW keys)

GILLS "notched and finely adnexed", 36-45 gills reach stem, broad; white, horn-gray at base; edges crenulate (finely scalloped), (Breitenbach), sinuate, thin, very crowded; white to pale yellow or orange, (PNW keys)

STEM 4-8cm x 0.4-1.5(2.0)cm, cylindric, usually clubshaped toward base, hollow, elastic; horn-gray; dry, dull, finely longitudinally fibrillose, sometimes grooved, base often white-tomentose, (Breitenbach), 3-12cm x 0.4-1.0cm, conspicuously inflated-bulbous base (twice as broad at base as at top); pale yellow or orange, then brighter orange over lower third; smooth, occasionally pruinose at base, with abundant white rhizomorphs, (PNW keys)

VEIL none

ODOR pleasantly spicy-resinous (Breitenbach)

TASTE mild, pleasant, (Breitenbach)

HABITAT generally gregarious in hardwood and coniferous forests, on leaf and needle litter, (Breitenbach)

SPORE DEPOSIT whitish-cream (Breitenbach)



Boleslaw Kuznik (MykoWeb)

MICROSCOPIC spores 5.7-7.2 x 2.8-3.8 microns, elliptic, smooth, with droplets, some dextrinoid, (Breitenbach); basidia 4-spored, 20-25 x 4.5-5.5 microns, cylindric-clavate, with basal clamp; pleurocystidia and cheilocystidia not seen; clamps mentioned for basidia and cap cuticle, (Breitenbach)

NAME ORIGIN butyracea means 'pertaining to butter' (Latin), 'asema' means 'without sign', a = without (Greek), sema = sign (Greek)

SIMILAR *R. butyracea* f. *butyracea* differs in color

SOURCES Breitenbach(3)* (as *Collybia butyracea* var. *asema*), PNW keys (as *Collybia asema*), Arora (as *C. butyracea* f. *asema*), Courtecuisse*(as *C. butyracea* var. *asema*)

FAMILY Marasmiaceae of Order Agaricales