

## 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)** *Cortinarius clandestinus* C.Kauffman North American Flora 10: 324. 1932

**NOTES** subgenus *Leprocybe*; features include dry golden brown to yellowish olive cap with dark brown scales especially at center, pallid gills which soon become yellow or olive-tinged, and stem paler than cap with sparse covering of greenish yellow fibrils on lower part; this species has often been misidentified as *C. cotoneus*; description derived from Kauffman(3) unless otherwise noted; found at least WA, OR, ID, reported from western AB, on foray lists from BC, also in MI, CO, NY, **CHEMICAL REACTIONS** fluoresces bright yellow in UV light (Joseph Ammirati pers. comm.)

**CAP** 3-6cm, bellshaped-convex, then flat, at first umbonate, at length depressed around vanishing umbo, margin incurved at first; dry, at first covered by dense minute, "clove-brown" fibrillose scales, the "old-gold" ground color appearing later on the margin of the cap and between scales, the disc at length darker, margin sometimes decorated at first by the olivaceous-yellowish, silky cortina (Kauffman(3))

**FLESH** thin except the disc, rather fragile; yellowish-olivaceous, darker at first, sublutescent (becoming somewhat yellow) in stem

**GILLS** adnate, then sinuate, close, usually rather narrow; at very first pallid, soon lutescent (becoming yellow) or with an olivaceous tinge, finally "raw-sienna"; the edge minutely white-flocculose

**STEM** 6-10cm x 0.5-1.0(1.2)cm, rarely longer, equal or slightly enlarged below, stuffed then hollow; obsolete peronate (at first sheathed) by "light-green-yellow" universal veil, but usually merely fibrillose up to the obscure annular zone, or becoming bald (Kauffman(3))

**VEIL** olivaceous-yellowish cortina; universal veil yellow (Joseph Ammirati pers. comm.)

**ODOR** distinctly that of radish or sometimes slight

**HABITAT** type among mosses under Douglas fir and hemlock (Kauffman(3))

**SPORE DEPOSIT** presumably brownish



Ben Woo



Andrew Parker

**MICROSCOPIC** spores 6-7 x 5-6 microns, elliptic to nearly round, smooth under high magnification, presumably without apical pore

**NAME ORIGIN** means "hidden"

**SIMILAR** (practically identical) to *cotoneus* but according to Stuntz's 1981 PNW key for *Cortinarius* in Washington, *clandestinus* has pallid gills when very young, rather than dull yellowish brown, stem of *clandestinus* rather bright greenish yellow rather than yellow to brownish yellow, and (the only reliable way) by different spore size (Moser(1) gives spores of *cotoneus* Fr. as (6)7-9 x 6.5-7.5 microns); many if not all North American reports of *cotoneus* may be *clandestinus*

**SOURCES** Kauffman(3), PNW keys, Kauffman(2), Kernaghan, Moser(1)

**FAMILY** Cortinariaceae of Order Agaricales



Eileen Seto



Michael Beug



Michael Beug