

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) *Hygrophorus foetens* Phillips apud Berk. & Broome *Grevillea* 7: 74. 1878-79; *Hygrotrama foetens* (Phillips ex Berk. & Br.) Singer; *Camarophyllus foetens* (Phillips) J.Lange; *Camarophyllopsis foetens* (Phillips ex Berk. & Broome) Arnolds; *Hodophilus foetens* (Phillips) Heim; *Camarophyllus foetens* (Phillips) Lange

NOTES Section *Hygrotrama*: this is a section which has hymeniform cuticle on cap and gill tissue intermediate between *Camarophyllopsis* and *Hygrocybe*; it has been regarded as separate genus *Hygrotrama*; *foetens* is distinctive by reason of cinnamon brown color, light gray to wood-brown gills, pungent disagreeable odor, small spores, hymeniform cuticle, and incrustated pigment on hyphae; has been placed in different genera based on hymeniform pileipellis, decurrent gills, and colorless, round to short elliptic spores; found at least ID, MI, Netherlands, rare

CAP 1-4cm, broadly convex to flat or uplifted; hygrophanous, cinnamon brown to brown on disc and paler between striations, fading to avellaneous; moist, bald but may be slightly scaly when old, (Hesler), 0.6-4.0cm, flat to convex-depressed; hygrophanous, gray-brown to cinnamon-brown on disc; moist, bald, with a granular appearance, margin striate with a paler coloration between striae, (Bessette)

FLESH brittle; cinnamon brown to brown, (Hesler), firm; gray-brown, (Bessette)

GILLS decurrent, distant, medium broad, thick, waxy, brittle; "wood-brown" or darker, (Hesler), decurrent, distant, alternating with subgills or forked at or near margin, medium broad, thick, waxy, brittle; light gray (Bessette)

STEM 2-4cm x 0.2-0.3cm, narrowing downward, cinnamon brown to brown, may be darker lower stem, bald, dots or small scales at first, (Hesler), 1.6-4cm x 0.12-0.4cm, narrowing downwards, may be slightly flattened; brown near top, with white canescence (hoar) over base; obscurely banded or obscurely scabrous-dotted, (Bessette)

ODOR pungent disagreeable, reminding one of chloride of lime (Hesler), unpleasant, of mothballs, naphthalene flakes or chloride of lime (Bessette)

TASTE mild (Hesler, Bessette)

EDIBILITY unknown (Bessette)

HABITAT under hardwoods, (Hesler), several together or cespitose (tufted), in moss or on soil under hardwoods, (Bessette)

SPORE DEPOSIT white (Bessette)

MICROSCOPIC spores 4.5-6 x 4.5-5 microns, nearly round to elliptic, smooth, inamyloid, (Hesler); basidia 4-spored, 34-42 x 5-7 microns, elongate-clavate; pleurocystidia and cheilocystidia none, gill tissue interwoven, hymeniform cuticle, incrustated pigment on hyphae (brownish in water when fresh, dull cinnamon when revived in KOH), (Hesler), spores 4.5-6 x 4-5 microns, nearly round, smooth, inamyloid, thin-walled; clamp connections absent, (Bessette)

NAME ORIGIN means 'stinking'

SOURCES Hesler, Bessette(1)*(as *Hygrotrama*)

FAMILY Tricholomataceae of Order Agaricales