

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) *Psathyrella longistriata* (Murrill) Smith Mushrooms in Their Natural Habitats: 552. 1949; *Stropharia longistriata* Murrill; *Stropharia fragilis* Kauffman

ENGLISH NAME(S) ringed *Psathyrella*

NOTES the persistent ring is unusual for a *Psathyrella*, other features include hygrophanous cap that is some shade of brown, thin fragile cap-colored flesh, adnate close gills that are pallid becoming dark brown or purple brown, white or pallid stem with scattered scales below ring, growth under conifers and hardwoods, deep brown to purplish brown spore deposit, and microscopic characters; common in the Pacific Northwest, found at least WA, OR, ID, CA, (Smith), and BC (Bandoni)

CAP (3)4-8(10)cm, obtusely conic to convex when young and the margin incurved, expanding to flat or broadly convex but sometimes with a low broad umbo; hygrophanous, dark avellaneous, pale sordid yellowish brown, to dark rusty brown or dark reddish brown (cinnamon-buff, "wood brown", "Mars brown" or "Mikado brown"), fading to pallid or tinged cinnamon buff or merely pallid; moist, at first covered with thin fibrillose patches of veil remnants or merely thinly fibrillose, soon bald, smooth but sometimes becoming finely wrinkled at least around disc, more or less translucent-striate when moist, (Smith), 2.5-8(10)cm, conical to convex becoming broadly convex to flat or umbonate when old; some shade of brown but sometimes fading when old; not viscid, surface smooth or slightly wrinkled, with whitish veil remnant fibrils when very young, (Arora)

FLESH very thin and fragile; colored more or less as cap surface, pallid to buff when old, (Smith), thin, fragile, (Arora)



Hannah Nadel



Stan Czolowski



Boleslaw Kuznik

GILLS adnate but seceding readily, close, 46-54 reach stem, 2-3 tiers of subgills, moderately broad and more or less equal, 0.5-0.7cm; pale buff when young, soon dull purplish brown, sometimes distinctly vinaceous-brown ("vinaceous-fawn") from maturing spores, often drab and becoming "hair brown", edges white; edges even and floccose, (Smith), adnate to adnexed or seceding, close; pallid becoming dark brown or purple brown, (Arora)

STEM 4-10cm x (0.4)0.5-1.0cm, evenly but only slightly enlarged downward, hollow and very fragile; white or pallid; sheathed up to ring by a thin white fibrillose coating which often becomes broken into floccose scales and eventually may disappear completely, somewhat silky fibrillose-squamulose or merely silky above ring, (Smith), 4-10cm x 0.4-1cm, equal, fragile, hollow; pallid or white; with scattered whitish scales from veil below ring (Arora)

VEIL ring superior to median, white, usually persistent and membranous, white-floccose on underside, upper surface striate and silky, (Smith), membranous, white, forming a persistent, superior, ring usually striate and eventually darkened by spores, (Arora)

ODOR not distinctive (Smith)

TASTE not distinctive (Smith)

EDIBILITY unknown (Arora)

HABITAT scattered to gregarious on humus and debris under conifers and also under alder (*Alnus*), (Smith), solitary to scattered or in small groups in woods, particularly under conifers, (Arora)

SPORE DEPOSIT dull vinaceous-brown to purplish brown, (Smith), deep brown to nearly black (Arora)

MICROSCOPIC spores (6.5)7-9 x 4-4.5(5) microns, elliptic to ovate in face view, obscurely inequilateral to subelliptic in side view, smooth, germ pore present but not readily evident on most spores, apex not truncate, cocoa-color in KOH becoming dark sep

NAME ORIGIN means 'long-striate'

SIMILAR *Panaeolus semiovatus* and *Stropharia semiglobata* somewhat but both grow in dung or grass not in woods; like some other *Psathyrellas* but persistent ring on stem unusual for *Psathyrella*

SOURCES Arora, Phillips*, Ammirati*, Smith(5)

FAMILY Coprinaceae of Order Agaricales