

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) *Tricholoma virgatum* (Fr.) Kummer Fuhrer Pilzkunde 134. 1871; *Tricholoma subacutum* Peck; *Melanoleuca subacuta* (Peck) Murr.

ENGLISH NAME(S) fibril *Tricholoma*, silver streaks

NOTES recognized by dry cap with gray radially arranged fibrillose streaks, which is conical when young; the cucumber odor is caused by trans-2-nonenal, one of the chemicals causing the odor in the cucumber vegetable (Wood); Ovrebo & Tylutki (Ovrebo(1) 1975) describe a var. *vinaceum* from WA, OR, ID that is like *T. virgatum* except for the pinkish cast on the stem, and Kernaghan reports this variety from AB, Ovrebo(2) 1989 examined collections of *virgatum* from NS, ON, MA, ME, MI, MN, NY, VT, and Shanks includes for CA in *The Agaricales of California*, **CHEMICAL REACTIONS** positive pink reaction with PDAB on all parts, 2.5% KOH light yellow on stem base, (Ovrebo)

CAP 3-8(10)cm, conical to broadly conical to nearly flat with a pointed umbo; "grayish to grayish-brown or grayish-purple (the center often darker, margin paler)"; dry, streaked with radiating fibrils or fibrillose scales, (Arora), 3.5-10cm, conic to ob

FLESH thin; white then grayish, (Arora), thin; pale gray, (Ovrebo(2))

GILLS adnexed or notched, close; white to grayish, (Arora), sinuate, close, subgills numerous but not arranged in distinct tiers; "whitish to very pale gray, often becoming dingy buff in extreme age, occasionally discoloring fuscous on edge"; entire, (Ovrebo(2)), white or grayish-tinged flesh color, (Phillips)



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STEM 6-12(15)cm x (0.5)1-2cm, more or less equal, solid; white or tinged gray; smooth or fibrillose, (Arora), 6-10cm x 0.9-1.5cm, equal or subclavate (somewhat clubshaped), the base rounded or rarely bulbous, stem solid or hollow; white; silky-fibrillose and with superficial fibrils projecting, (Ovrebo(2)), white, off-white, or very light grayish drab, pinkish or vinaceous drab near base or beginning half way down the stem, (Ovrebo(1) for var. vinaceum), white or tinged gray; smooth or minutely hairy, (Phillips), white or flushed pink, purplish-pink at base, (PNW keys)

VEIL absent according to Arora, PNW key says it has a cortina

ODOR mild or earthy (Arora), absent (Ovrebo(2), Ovrebo(1)), musty (Phillips), cucumber (Wood)

TASTE usually sharp or peppery (Arora), peppery to bitter, (Ovrebo(2)), bitter (Ovrebo(1)), bitter and peppery, (Phillips), resembles being pricked by tiny needles at tip of tongue

EDIBILITY may be poisonous and resembles poisonous pardinum, (Arora)

HABITAT solitary or scattered to gregarious in mixed woods and under conifers, (Arora), gregarious under conifers, (Ovrebo(2))

SPORE DEPOSIT white (Arora, Ovrebo(2))

MICROSCOPIC spores 6-7.5 x 5-6 microns, elliptic, smooth, presumably inamyloid, (Arora), spores 6-7.5 x 5-6 microns; cheilocystidia 25-45 x 6-15 microns, clavate, sometimes septate, +/- gray incrustated, (Hansen), spores 7.2-8.6 x 5.2-6.2 microns, broadly

NAME ORIGIN means "striped" or "barred"

SIMILAR like portentosum which has viscid cap; like terreum group but fibrils and scales are radially arranged; like an unpublished taxon described in Ovrebo(4) called *T. nigrocystidium* nom. prov. but latter has viscid cap and farinaceous odor and taste:

SOURCES Ovrebo(2), Ovrebo(1), Arora, Phillips*, Lincoff(2)*, Lincoff(1)*, Kibby*, Courtecuisse*, Barron*, Hansen, L.(2), Kernaghan, Wood(3)

FAMILY Tricholomataceae of Order Agaricales



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