

## 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)** *Collybia cirrhata* (Pers. ex Fries) Quelet Champ. Jur. Vosges. Ser. II(5): 96. 1872; *Microcollybia cirrhata* (Pers. ex Pers.) Lennox Mycotaxon 9: 193. 1979

**NOTES** distinguished by small size, cap which is white, reddish brown at center, or ochreous, adnexed crowded white gills, white mycelial threads at base of whitish threadlike stem, and growth on humus as well as old mushrooms; found at least WA (Lennox), OR (Kauffman), WA, ID, AK, NC, Finland, Sweden, Switzerland, UK, (Hughes), elsewhere in North America, Europe, Asia

**CAP** 0.5-1cm, initially convex then flat, slightly depressed, often with a very small central nipple; white, reddish brown at center, or ochreous; surface slightly silky, often broken up concentrically when mature, slightly striate-grooved, (Lincoff), 0.3-1.1cm, convex with incurved margin becoming convex to flat or slightly depressed on disc; somewhat hygrophanous, whitish, becoming grayish orange when watery or old, often with pink flush when fresh; dry to moist, bald to somewhat hoary, translucent striate at margin, (Halling)

**FLESH** very meager; white (Lincoff), very thin, whitish (Halling), thin, rather soft and fragile; colored as cap, (Lennox)

**GILLS** adnexed, crowded, unequal, separate from stem when mature; white, (Lincoff), adnate to slightly arcuate with tooth, close to subdistant, narrow to moderately broad, thin; whitish to pinkish buff, (Halling), arcuate, broadly adnate to slightly sinuate, narrow, about 0.1cm broad, subdistant, 20 reach stem, 3 tiers of subgills; white or pallid, (Lennox)



Michael Beug

**STEM** 2.5-5cm x 0-0.1cm, whitish, rather threadlike, supple with pruinose surface that extends to the base in a tuft of interwoven fibrils, white bristlelike rhizomorphs, (Lincoff), 0.8-2.5cm long and 0.1(0.2)cm wide, equal to slightly widened downward, flexible but not fragile, becoming hollow; whitish to grayish orange; faintly pubescent in upper part, more so downward, nearly strigose toward base, often branched at base into rhizomorph-like strands or with plentiful white mycelium, (Halling), colored as disc or darker, pale warm buff, somewhat more reddish toward base with age, (Lennox)

**VEIL** none

**ODOR** none (Halling)

**TASTE** none (Halling)

**HABITAT** gregarious on remains of old mushrooms, in woods among dead leaves, (Lincoff), gregarious on blackened fungus remains, occasionally on rich humus or well decayed wood in conifer and hardwood forests, (Halling)

**SPORE DEPOSIT** whitish (Lennox)

**MICROSCOPIC** spores 4-5 x 1.8-2.2 microns approximately, elliptic, smooth, (Lincoff), spores 4.8-6.4 x 2-2.8(3.5) microns, obovoid to ellipsoid or slightly subcylindric in face view, elliptic to sublacrymoid (somewhat tear-shaped) in side view, smooth, inamyloid, acyanophilic; basidia 4-spored, 17.5-21 x 4.8-5.6 microns, clavate to subclavate, not siderophilic; pleurocystidia and cheilocystidia absent; clamp connections present in all tissues, (Halling)

**NAME ORIGIN** means 'curly' or 'fringed'

**SIMILAR** tuberosa and cookei but with white mycelial threads instead of sclerotia, found on humus as well as old mushrooms

**SOURCES** Halling(2), Lincoff(1)\*, Lennox, Breitenbach(3)\* (as cirrata), Hughes(1), Kauffman(5)

**FAMILY** Tricholomataceae of Order Agaricales