

Moser, M. (2001). Rare, debated and new taxa of the genus *Cortinarius* (Agaricales). Libreria Mycoflora: Alassio, Italy. 57 p

***C. montanus* Kauffm. var. *fuligineofolius* M.M. Moser var. nov.**

Fig. 7c

This is a peculiar taxon with a gill-colour similar to that of *C. infractus*, which I observed in northern California. Otherwise it has the characters of *C. montanus* and also according to molecular data it falls in a cluster with this species but seems distinct. It deserves certainly the rank of a variety.

Original diagnosis:

Pileo 40-85 mm lato, convexo, margine involuto, viscido, ferrugineo, margine aquose fumoso, sicco leviter viridulo, lamellis olivaceo-fuligineis, aetate flavo-brunneis, confertis, stipite 55-110 x 8-15, bulbo marginato usque ad 25 mm lato, pallide caeruleo, carne pallida, brunneola supra cuticulam, violacea in cortice stipitis, velo flavo-viridi. Carne iodum ope reactionem

vinaceam praebente.

Sporis 8.8-10.1 x 5.9-6.6 μm , ellipsoideis, valde verrucosis, basidiis 28-32 x 8.5-9.5 μm , tetrasporigeris, clavato-subventricosis, absque cheilocystidiis, fibulis praesentibus.

Habitatio in silvis coniferis (*Pseudotsuga*, *Tsuga*, *Sequoia*), holotypus IB 91/682, California, Mendocino, Caspar Little Lake Road, 6 Dec. 1991, leg. M. M. Moser

Pileus 40-85 mm diam., convex, margin at first involute, later often somewhat undulate, viscid, with red-brown colours, Caill 55 P, 57P, sometimes with paler areas, Caill 55M, 57M, margin watery gray-brown, fuscous, Caill 70P to 70R, in dry condition margin becoming more greenish grey, Caill 91M to 89M.

Lamellae characteristically olive grey, Caill 75N, with age yellow-brown, Caill 60P, never greenish, adnate to emarginate, edges uneven, 5-6 mm broad, close, L= 80, l=1-3, 14-16/cm at margin.

Stipe 55-110 x 8-15 mm above, the rounded to marginate bulb 15-25 mm, bluish, R Lavender Gray, base yellow-green from veil remains, Caill 85L to 85M, becoming hollow. **Veil** yellow-green.

Context pale brownish underneath the cuticle, dingy pallid in pileus, violaceous in stipe cortex, whitish in base. Without distinctive odour, taste mild.

Chemical reactions : KOH (3%) colours context and pileipellis dark brown, Melzer or Lugol reagent vinaceous on context in pileus and bulb.

Microscopic characters

Basidiospores 7.6-9.7(-10.1) x 5.3-6.6 μm , av. 8.8(S=0.4) x 5.9(S=0.2) μm , Q= 1.4 - 1.6, av.=1.5 (S=0.05), vol. 112-230 μm^3 , av. = 163 (S=19) μm^3 , ellipsoid, strongly verrucose, subhymenial hyphae 3-4 μm , hyphae in lateral stratum 5-10 μm , in the dominant mediostratum 10-15 μm , walls colourless in KOH or slightly ochraceous in subhymenium. Without cheilocystidia. Pileipellis with gelatinous pellicle of 3-4 μm wide, repent, slightly yellowish to colourless hyphae with clamp connections, epicuticular hyphae 7-9 μm , \pm colourless, hypocutis subcellular to mixed, in upper part slightly pigmented, in lower layers walls brown, encrusted, 9-15 μm thick.

Habitat: In conifer forest with *Pseudotsuga*, *Tsuga*, *Sequoia*.

Collections examined: IB 91/654, California, Mendocino Co., Russian Gulch State Park, 4 miles E of Mendocino 5 . Dec. 1991, leg. M. Moser; IB 91/682 (holotype), Mendocino, Caspar Little Lake Road, about 1 mile from coll. 91/654, 6 Dec. 1991, leg. M. Moser.

Comments: This variety reminds somewhat of *C. infractus*, particularly by the colour of the gills and pileus margin.

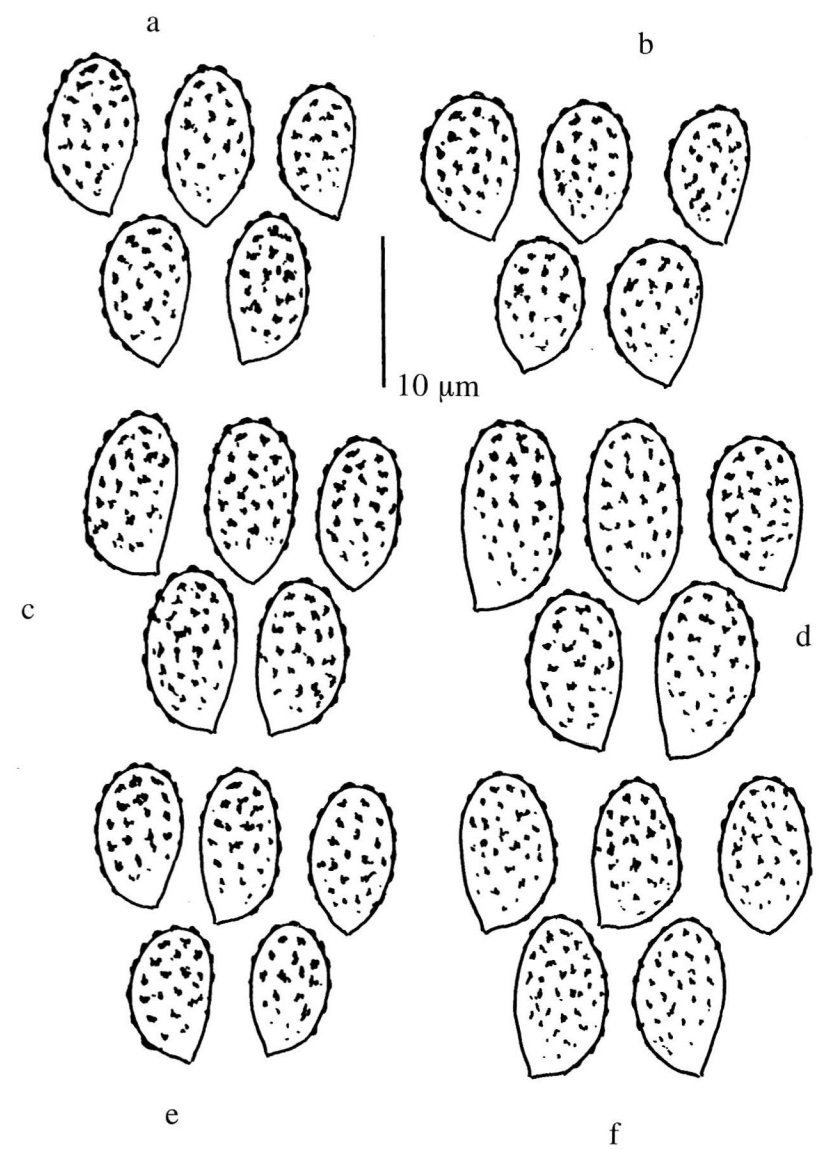


Fig. 7. Basidiospores of *Cortinarius montanus*: a. coll. 95/429, c. coll. 64/239, d. coll. 63/574, b. *C. montanus* var. *fuligineofolius* coll. 91/682, e. *C. montanus* var. *fageticola* coll. 83/457, f. coll. 82/282