

however, might be considered where species like *C. longicaudus* Mos. and *C. effundens* Mos., Horak & Sing. have a slight similarity and and the latter also a fragrant odor.

Cortinarius (Phlegmacium) largentii Ammirati & Moser, sp. nov. –
Fig. 2, 10, 16.

Pileo 6.5–14 cm lato, ex hemisphaeric convexo, margine fortiter involuto, aetate applanato, disco subdepresso, margine inflexo, glutinoso, colore laete flavo-brunneo usque rufo-brunneo, aetate obscuriore, numquam innato fibrilloso, e glutine desiccante obscuriora maculata, lamellis primo lilaceis, aetate brunneoscentibus, adnatis usque anguste emarginatis, conformati, 4–6 mm latis, stipe 7–10 cm longo, 27–50 mm crasso, bulbo 45–70 mm lato acute marginato, bubalino, incarnato–bubalino, margine bulbi fimbriato e velo pallide bubalino. Carne buba-lina, absque odore distincto, sapore miti.

Sporis 8.8–10.9 × 4.7–5.8 µm, amygdali- vel sublimoniformibus, verrucosis, basidiis 30–33 × 7.5–8 µm, tetrasporigeris, clavatis. Fibulis praesentibus.

Habitatio in quercetis (*Quercus garryana*, *Q. chrysolepis*, *Lithocarpus densiflora*). Holotypus IB 95/672, Boise Creek Camp Ground prope Willow Creek, Humboldt Co., California, 5 Dec. 1995, leg. D. Largent.

Pileus 6.5–14 cm diam., hemispheric, later convex, margin strongly involute, finally applanate and disc somewhat depressed, margin remaining persistently enrolled, glutinous, colors rather bright yellow-brown to red-brown, Ochraceous Tawny (R) in buttons, later darker, Tawny and Ochraceous Tawny (R) mottled, not innately fibrillose, the drying gluten causing somewhat darker spots (older specimens can remind of *Cortinarius ponderosus* seen from above, but it lacks any greenish tinges near the margin), disc somewhat matted or finely granular under lens at first, Colors Caill 60N in buttons, Caill 39B and 60N mottled in older specimens. No veil remnants visible on pileus. – Lamellae at first lilac, Hay's Lilac (R) (slightly paler and more dull), with age becoming Cinnamon Drab (R), finally Mikado Brown (R), near the pileus margin retaining lilac color rather long times, rounded adnate to narrowly emarginate, edges eroded to strongly eroded, crowded, L=120–130, l=3, 15–20/cm at the margin, 4–6 mm wide (about 1/2 of the thickness of pileus context). – Stipe 7–10 cm long, 27–50 mm thick, the very broad and obtusely to sharply marginate bulb 45–70 mm wide, above rim usually flat-depressed, color Pale Pinkish Buff (R) to Cartrige Buff (R), also the margin of the bulb fringed by veil of the same color. On the pileus surface of buttons the veil is dingy whitish. – Context whitish or Cartridge Buff (R) to Pale Pinkish Buff (R), brown where eaten by larvae, watery grayish above the gills. Without particular odor or somewhat pungent.

Chemical characters. – KOH 20% on pileus surface brown, on context brownish. – UV: context yellow, larvae tunnels brown,

pileus surface reddish and yellowish (margin) with some purple, lamellae dull and pale or dark, stipe yellowish to reddish dull including base. Taste mild.

Microscopic characters. — Basidiospores 8.8–10.9 × 4.7–5.8 μm , mean 9.6 ($S=0.38$) × 5.2 ($S=0.25$) μm , $Q=1.86$, $V=105$ –170 μm^3 , mean 135 ($S=15$) μm^3 , almond-shaped to sublimoniform, verrucose, apex smooth. — Basidia 30–33 × 7.5–8 μm , 4-spored, clavate, without cheilocystidia, subhymenial hyphae 3–5 mm thick, colorless, clamp connections present. — Pileipellis with very thick, gelatinous layer of 2.5–5.5 μm thick, subrepent to irregularly ascending hyphae with yellowish walls and deep yellow-brown content, few hyphae colorless. — Epicuticular hyphae 6–9.5 μm , somewhat irregularly interwoven, walls yellow to yellow-brown.

Habitat. — Under *Quercus garryana*, *Q. chrysolepis* and *Lithocarpus densiflora* with scattered *Arbutus menziesii*.

Collections examined. — IB 95/672, (holotype) JFA 11875 (isotype), 5.Dec. 1995 leg. D. Largent, IB 96/695, 10 Dec. 1995, leg. M. Moser, both Boise Creek Camp Ground, near Willow Creek, Humboldt Co., California.

This taxon also remains fairly isolated but temporarily we can place the species in section Multiformes, subsection Callochroi, series Pansa.

***Cortinarius (Phlegmacium) roseobulbus* Moser, sp. nov. — Fig. 3, 11, 17.**

Pileo 4–8 cm lato, convexo, primo margine involuto, dein applanato, coloribus simili Cortinarii callochroi, primis coloribus luteis, discum versus testaceo-maculato vel variegato, interdum sordide brunneo, numquam innato-fibrilloso, lamellis argillaceis vel subtiliter lilaceis, aetate avellaneis, emarginatis, confertis, 5–7 mm lati, stipite 5.5–8 cm longo, 11–20 mm crasso, bulbo marginato 15–40 mm lato, saepè depresso, apice lilaceo, mox albicante, margine bulbi fimbriato e velo flavo vel flavo-albo, facie externa mycelioque rosea, carne bubalina, incarnato-bubalina, in bulbo rosea, odore nullo, sapore miti.

Sporis 8.2–10 × 5–5.9 μm , amygdaliformibus, verrucosis, basidiis 30–33 × 7.5–8.5 μm , tetrasporigeris, clavatis, absque cystidiis, fibulis praesentibus.

Habitatio in querceti (*Quercus garryana*, *Lithocarpus densiflora*), holotypus IB 95/684, Mendocino, prope furcam viarum 409/408, Mendocino Co., California, 8 Dec. 1995, leg. M. Moser.

Pileus (4–)5–8 cm diam., convex, margin at first inrolled, the sterile margin remaining so for long time, then applanate, glutinous, colors reminiscent of *C. callochrous*, ground color yellow, Mustard Yellow (R) or a yellow which is a mixture of Naples Yellow, Baryta Yellow and Maize Yellow (R), toward center with brown to dingy red-brown areas, spots and/or streaks (Caill 57N), sometimes also more dingy brown, not innately fibrillose. — Lamellae argillaceous or with a very faint lilac reflex, near Tilleul Buff (R) (more grayish), then gray-