

## 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)** *Chrysomphalina chrysophylla* (Fr.) Clc.; *Gerronema chrysophylla* (Fr.) Singer; *Omphalina chrysophylla* (Fr.) Murrill; *Chrysobostrychodes chrysophylla*; *Armillariella chrysophylla* (Fr.) Singer; *Clitocybe luteophylla* Bigelow & Hesler

**ENGLISH NAME(S)** golden-gilled *Gerronema*, goldgill navelcap, 'golden-gilled *Chrysomphalina*'

**NOTES** features include small size, moist to dry ochre cap, yellow gills, yellow to ochre stem, yellow to white to salmon buff spore deposit, and growth on rotting conifer logs; forms with dark scales on cap are either var. *chrysophylla* (with orange or orange-yellow tints, found WA, OR, ID, also NS, ON, PQ, CO, ME, MI, NY, TN, or var. *salmonispora* (with pinkish-orange or salmon tints, found at least WA, ID), while more or less bald forms are var. *hoffmanii*; (found at least BC, WA); Redhead(38) in 1986 did not recognize these varieties, since variations of scaliness or precise color shade are found within other species; *C. chrysophylla* not common but found BC (Redhead(5)), WA, OR, ID, (Bigelow)

**CAP** (0.5)1-4cm, convex-depressed with an incurved margin at first, remaining so for some time or finally becoming flat-depressed, margin opaque; somewhat hygrophanous, fuscous-ochraceous on disc to smoky-ochraceous at margin; moist, minutely scurfy to fibrillose-scaly, (Bigelow), 0.5-4cm, convex to nearly flat and sunken in center, margin incurved at first; ochre to smoky-ochre; moist to dry, (Lincoff), more or less bald (var. *hoffmanii*) or with definite dark scales on disc and inner margin (var. *chrysophylla* and var. *salmonispora*), (Norvell), 0.5-4cm, flat with shallowly depressed disc and incurved margin, becoming more funnel-shaped with age; ochre to yellowish brown; moist to dry, (Phillips)

**FLESH** thin, pliant; ochraceous, (Bigelow), thin, flexible; orange, (Phillips)



Boleslaw Kuznik



Drew Parker

**GILLS** decurrent, subdistant to distant, broad, arched, not forked or intervenose but sometimes corrugated; yellow ("light orange yellow", "apricot yellow"); edges even, (Bigelow), decurrent, distant, broad; golden- to apricot-yellow, (Lincoff), decurrent, distant, narrow to broad; orange-yellow, (Phillips)

**STEM** 2-4cm x 0.15-0.3cm, equal or nearly so, stuffed but soon hollow; yellow (near "primuline yellow"), becoming smoky ochraceous or olivaceous tinged; moist, bald or obscurely fibrillose striate, base slight mycelioid or entirely bald, (Bigelow), 2.5-5cm x 0.15-0.3cm, somewhat curved, stuffed to hollow; yellow to smoky ochre; smooth, (Lincoff), 2-5cm x 0.1-0.3cm, stuffed to hollow, somewhat curved or flattened; orange-yellow, sometimes tinged with brown; moist, smooth, cottony white at base, sometimes tinged with brown, (Phillips)

**ODOR** not distinctive (Bigelow, Phillips)

**TASTE** not distinctive (Bigelow, Phillips)

**EDIBILITY** not known (Phillips)

**HABITAT** gregarious on conifer logs, (Bigelow), scattered or in clusters on rotting coniferous logs and moss (Phillips)

**SPORE DEPOSIT** yellow ("pinkish buff" to "warm buff") in var. chrysophylla but in variety salmonispora light salmon tinted (light "salmon buff", "ochraceous salmon"), (Bigelow)

**MICROSCOPIC** spores 8.5-15.5 x 4.5-6(7) microns, elliptic oblong, or subfusoid (somewhat spindle-shaped) to subcylindric, often inequilateral from the side, somewhat bent at times, smooth, inamyloid, (Bigelow); basidia mostly 4-spored, rarely 1- or 2-spored, 28-49 x 5.5-10 microns; pleurocystidia and cheilocystidia absent; clamp connections absent, (Bigelow)

**NAME ORIGIN** means "golden-gilled"

**SIMILAR** *Clitocybe ectypoides* but golden yellow gills and yellow spore deposit, similar to *Chrysomphalina aurantiaca* which has uniform orange colors; similar to *Chrysomphalina grossula* which has greenish yellow colors, at least when young

**SOURCES** Bigelow(9) (as *Omphalina*), Phillips\*(as *Gerronema*), Lincoff(2)\*(as *Gerronema*), Courtecuisse\*(as *Gerronema*), McKnight(as *Omphalina*)\*, Bessette(2)\*, Norvell, Barron\*, Redhead(38)

**FAMILY** Tricholomataceae of Order Agaricales