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) Amanita gemmata (Fr.) Bertil.; Amanita junquillea Quelet

ENGLISH NAME(S) gemmed Amanita, jonquil Amanita, gem-studded Amanita

NOTES Amanita junquillea = gemmata or possibly a variety of it; important fieldmarks are creamy to pale yellow, golden yellow or buff cap with whitish warts, and free rim or collar at the top of the basal bulb; Breitenbach & Kranzlin give distribution as North America and Europe

CAP 2.5-10(14)cm, rounded becoming convex to flat; creamy to pale yellow, golden-yellow, or buff, often slightly darker at center; slightly viscid when moist, cap with striate or non-striate margin, whitish warts on cap, if continuous patch on cap doesn't peel easily like calyptrata

FLESH fairly thick; white

GILLS free to adnate, close; white

STEM 5-12.5cm x 0.5-2cm, tapered up or equal with an enlarged base, white or cream or tinged yellowish, dry, usually smooth above ring sometimes cottony or scaly below, somewhat enlarged near basal bulb, VOLVA universal veil friable (crumbling easily) to somewhat cottony, white, usually forming a collarlike volva (free rim) at the top of basal bulb, sometimes also with scaly zones above rim, or sometimes forming a thin sheath instead of a rim, or sometimes the volva more or less indistinct

VEIL typically present (but absent in var. exannulata), membranous, white or tinged orange gray or yellowish, forming a fragile, superior to median, skirtlike ring, or disappearing

ODOR none

EDIBILITY poisonous

HABITAT solitary, scattered or in groups in woods or along forested paths and roads

SPORE DEPOSIT white

Catherine Ardrey

Ben Woo

MICROSCOPIC spores 8-13 x 6-9 microns, elliptic, smooth, inamyloid, (Arora), spores 8.9-10.8 x 6.8-8.7 microns, nearly round to broadly elliptic, smooth; basidia 4-spored, 42-48 x 12-15 microns, clavate; pleurocystidia not seen, marginal cells not abundant, 15-30 x 12-17 microns, subglobose-vesicular; clamps absent from basidia and cap cuticle, (Breitenbach)

NAME ORIGIN means 'gemmed'

SIMILAR like pantherina but yellow to creamy cap and lack of a well defined margin on bulb, hybridizes with pantherina, may look like Russula or Tricholoma when it loses ring and veil remnants

SOURCES Arora*, Lincoff(2)*, Kibby*, Ammirati*, Lincoff(1)*, Courtecuisse*, Breitenbach(4)*

FAMILY Pluteaceae of Order Agaricales