

white, compact, with strongly farinaceous odor and taste; lamellae narrow to medium, sinuate, slightly decurrent at times with age, white, unchanging; spores ellipsoid, smooth, hyaline, $5-6.5 \times 3-4 \mu$; stipe subequal, white, smooth, usually solid within, 4-7 cm. long, 1.5-2.3 cm. thick.

TYPE COLLECTED among oak leaves at Claremont, California, in January, C. F. Baker 5078.

DISTRIBUTION: Known only from the type locality.

106. *Melanoleuca portolensis* Murrill, Mycologia 5: 219. 1913.

Tricholoma portolense Murrill, Mycologia 5: 223. 1913.

Pileus rather thick, convex with a prominent umbo, becoming nearly plane, scattered, 6-11 cm. broad; surface smooth, moist, glabrous, brownish-gray, darker toward the center, margin entire, concolorous; context white, with a slightly nutty taste but without characteristic odor; lamellae rather narrow, slightly sinuate, plane, several times inserted, crowded, white; spores ellipsoid, smooth, hyaline, $5-7 \times 2.5-3.5 \mu$; stipe tapering upward from an enlarged base, nearly white, smooth above, somewhat roughened below, glabrous, solid, 6-8 cm. long, 1.5-2 cm. thick; veil rudimentary, leaving a trace upon the stipe.

TYPE LOCALITY: Portola, California.

HABITAT: On the ground under redwoods.

DISTRIBUTION: Known only from the type locality.

107. *Melanoleuca oreades* Murrill, Mycologia 5: 218. 1913.

Tricholoma oreades Murrill, Mycologia 5: 223. 1913.

Pileus becoming broadly convex or plane to somewhat depressed, large, fleshy, growing in circles, subcespitose at times, reaching 15 cm. broad; surface dry, smooth, slightly silky-striate, pale-avellaneous; context with an agreeable, nutty flavor and an odor somewhat suggestive of skunk cabbage; lamellae slightly sinuate, crowded, narrow, white, discolored on drying; spores ellipsoid, smooth, hyaline, $6-7 \times 4-5 \mu$; stipe cylindric, solid, fleshy, white or pale-avellaneous, 5-8 cm. long, 1-1.5 cm. thick.

TYPE LOCALITY: Tacoma, Washington.

HABITAT: In the edge of woods on the border of a lake.

DISTRIBUTION: Known only from the type locality.

108. *Melanoleuca secedifolia* Murrill, Mycologia 5: 221. 1913.

Tricholoma secedifolium Murrill, Mycologia 5: 223. 1913.

Pileus convex to plane or slightly depressed, scattered, 12-20 cm. or more broad; surface dry, silky-fibrillose, with more or less conspicuous, minute, avellaneous to murinous, rarely fuliginous, floccose-imbricate, often evanescent scales, paler toward the margin; context with farinaceous odor and taste; lamellae sinuate, seceding, triangular, ventricose, not crowded, white, becoming rosy-isabelline on drying; spores broadly ellipsoid, smooth, hyaline, $7-8.5 \times 5-6 \mu$; stipe enlarged below, crooked, fleshy, solid, scabrous, white, reaching 13 cm. long and 2.5 cm. thick.

TYPE LOCALITY: Salem, Oregon.

HABITAT: On the ground among humus in woods.

DISTRIBUTION: Oregon.

109. *Melanoleuca Yatesii* Murrill, sp. nov.

Pileus regular, convex, solitary, 5-8 cm. broad; surface smooth, glabrous, viscid, sulfur-yellow, becoming brownish at the center on drying, margin concolorous, entire, incurved on drying; context rather thin, white to pale-yellow; lamellae sinuate-adnexed, rather broad, ventricose, not crowded, apparently pale-yellow when fresh, somewhat discolored on drying; spores ellipsoid, smooth, hyaline, $5 \times 3 \mu$; stipe equal, shining, subglabrous, sulfur-yellow, becoming nearly white when dry, 6-10 cm. long, 8-12 mm. thick.

Type collected under Monterey cypress and eucalyptus trees on the campus of the University of California at Berkeley, California, January 24, 1913, H. S. Yates 8.

DISTRIBUTION: Known only from the type locality.

110. *Melanoleuca dryophila* Murrill, Mycologia 5: 217. 1913.

Tricholoma dryophilum Murrill, Mycologia 5: 223. 1913.

Pileus convex, gibbous, becoming almost expanded, scattered, 3-10 cm. broad; surface glabrous, viscid when fresh, subshining, nearly smooth, whitish, stained with rusty-brown,