

Dedicated to Professor James Hall, a most earnest promoter and eminent patron of the natural sciences.

*71. *AGARICUS POLYCHROUS* Berk.

Pileus fleshy, convex, smooth, viscid, yellow, the disk reddish or brownish, the margin sometimes wavy; lamellæ close, emarginate and decurrent-toothed, yellow, then ferruginous; stipe firm, solid, equal, often curved, yellow; plant gregarious or cæspitose.

Height 1'-2', breadth of pileus 9''-18''.

Ground and rotten wood in pastures and woods. Very common. August–November.

The veil is webby, fugacious.

III Subgenus—*Naucoria*.

Stem cartilaginous externally; margin more or less convex; pileus inflexed.—*Berk. Outl.*

The spores are ferruginous, or brownish-ferruginous. The color of the pileus is some shade of yellow. The stipe is not distinctly annulate, but sometimes a slight spore-stained band marks the place of the obsolete annulus.

SYNOPSIS OF THE SPECIES.

Pileus umbonate.....	a.
a. Stem hollow, tapering toward the base.....	72.
a. Stem hollow, equal.....	73.
a. Stem solid.....	74.
Pileus not umbonate.....	b.
b. Stem hollow.....	c.
c. Pileus hygrophanous.....	75.
c. Pileus not hygrophanous.....	76.
b. Stem solid or stuffed.....	d.
d. Stem solid, margin of pileus recurved.....	77.
d. Stem containing a pith.....	78.

72. *AGARICUS VERNALIS* n. sp.

Pileus thin, fleshy, convex, then a little depressed, with a deflexed margin, umbonate, hygrophanous, dull yellow, darker when moist; lamellæ narrow, attached, cinnamon-color; stipe long, flexuous, striate-sulcate, hollow, tapering downward, white-villous at the base, brownish.

Height 2', breadth of pileus 8''-12'', stipe 1'' thick.

On rotten wood. Greenbush. May.

73. *AGARICUS LIGNICOLA* n. sp.

Pileus thin, convex, umbonate, smooth or slightly fibrillose, hygrophanous, watery cinnamon and the margin striatulate

when moist, dull yellow when dry; lamellæ narrow, close, attached, cinnamon-color; stipe slender, equal, hollow, slightly fibrillose, firm, mostly curved, reddish-brown.

Height 1'-2', breadth of pileus 6''-12''.

On old logs in woods. Sandlake. June.

74. *AGARICUS FULVUS n. sp.*

Pileus thin, convex, then expanded, umbonate, tawny yellow, darker when moist; lamellæ broad, emarginate, decurrent-toothed, cinnamon-colored; stipe equal, solid, subflexuous, a little paler than the pileus.

Height 1'-1.5', breadth of pileus 4''-8''.

Ground in pine woods. Bethlehem. November.

75. *AGARICUS AUTUMNALIS n. sp.*

Pileus thin, fleshy, convex, smooth, hygrophanous, watery cinnamon and marginally striatulate when moist, dull yellow when dry; lamellæ close, slightly emarginate, spuriously decurrent-toothed, easily separating from the stipe, yellowish, then cinnamon-color; stipe slender, equal, hollow, fibrillose, paler than the pileus; plant often cæspitose.

Height 1'-2', breadth of pileus 6''-12''

On rotten wood in woods. North Greenbush. November.

Sometimes a trace of an annulus may be seen on the stem. The taste resembles that of *A. semiorbicularis*.

76. *AGARICUS SCORPIOIDES Fr.*

Pileus fleshy, thin, short conic, obtuse or subumbonate, smooth, reddish-yellow, the margin incurved and paler, lamellæ attached, pale yellow, becoming darker with age; stipe long, slender, equal, wavy, silky, white or yellowish, hollow.

Height 3'-5', breadth of pileus 5''-8''.

Among moss in woods. North Elba. August.

77. *AGARICUS CURVO-MARGINATUS n. sp.*

Pileus thin, convex, smooth, reddish-yellow, the margin paler, reflexed, extending beyond the lamellæ; lamellæ subventricose, emarginate, decurrent-toothed, pale yellow or whitish, with a flesh-colored tinge; stipe equal, solid, wavy with a whitish silky luster.

Height 2'-3', breadth of pileus 4''-6''.

In mossy places in woods. North Elba. August.

This and the preceding have a darker color when moist, but they are scarcely hygrophanous. The solid stem and up-