

PIETRO VOTO

NOVELTIES IN THE FAMILY *PSATHYRELLACEAE*. PART I

- Cystoagaricus propinquus*** (A.H. Sm.) Voto, comb. nov. [MB 832609]. Basionym: *Psathyrella propinqua* A.H. Sm., Mem. N. Y. Bot. Gard. 24: 48. 1972.
- Cystoagaricus weberi*** (Murrill) Voto, comb. nov. [MB 832610]. Basionym: *Astylospora weberi* Murrill [as '*Atylospora*'], Lloydia 5: 153. 1942. Syn.: *Psathyrella weberi* (Murrill) Singer, Agaric. mod. Tax. (Weinheim): 507. 1962.
- Cystoagaricus subamarus*** (A.H. Sm.) Voto, comb. nov. [MB 832611]. Basionym: *Psathyrella subamara* A.H. Sm., Mem. N. Y. Bot. Gard. 24: 46. 1972.
- Coprinellus aquatilis*** (Peck) Voto, comb. nov. [MB 832612]. Basionym: *Coprinus aquatilis* Peck, Annual report on the New York State Museum of Natural History 27: 96. 1875.
- Coprinellus pseudomicaceus*** (Dennis) Voto, comb. nov. [MB 832613]. Basionym: *Coprinus pseudomicaceus* Dennis, Kew Bull. 15 (1): 122. 1961.
- Coprinellus caracasensis*** (Dennis) Voto, comb. nov. [MB 832614]. Basionym: *Coprinus caracasensis* Dennis, Kew Bull. 15 (1): 119. 1961.
- Coprinellus chaignonii*** (Pat.) Voto, comb. nov. [MB 832615]. Basionym: *Coprinus chaignonii* Pat., Bulletin de la Société d'Histoire Naturelle d'Autun 17: 8. 1904.
- Coprinopsis alnivora*** (Bogart) Voto, comb. nov. [MB 832616]. Basionym: *Coprinus alnivorus* Bogart, Mycotaxon 4 (1): 241. 1976.
- Coprinopsis cardiaspora*** (Bender) Voto, comb. nov. [MB 832617]. Basionym: *Coprinus cardiasporus* Bender, Zeitschrift für Mykologie 52 (1): 102. 1986.
- Coprinopsis dryophila*** (Pat.) Voto, comb. nov. [MB 832618]. Basionym: *Coprinus dryophilus* Pat., Bulletin de la Société Mycologique de France 18: 49. 1902.
- Coprinopsis filiformis*** (Berk. & Broome) Voto, comb. nov. [MB 832619]. Basionym: *Coprinus filiformis* Berk. & Broome, Annals and Magazine of Natural History 7: 379. 1861.
- Coprinopsis maculata*** (Dennis) Voto, comb. nov. [MB 832620]. Basionym: *Coprinus maculatus* Dennis, Kew Bull. 15 (1): 119. 1961.
- Coprinopsis platypus*** (Berk.) Voto, comb. nov. [MB 832621]. Basionym: *Coprinus platypus* Berk., Annals and Magazine of Natural History 15: 344. 1885.
- Coprinopsis punctata*** (Kalchbr.) Voto, comb. nov. [MB 832622]. Basionym: *Coprinus punctatus* Kalchbr., Grevillea 9 (49): 17. 1880.
- Homophron naucoria*** (A.H. Sm.) Voto, comb. nov. [MB 832623]. Basionym: *Psathyrella naucoria* A.H. Sm., Mycologia 42: 126. 1950.
- Homophron naucorioides*** (A.H. Sm.) Voto, comb. nov. [MB 832624]. Basionym: *Psathyrella naucorioides* A.H. Sm., Mem. N. Y. Bot. Gard. 24: 246. 1972.
- Lacrymaria echiniceps*** (G.F. Atk.) Voto, comb. nov. [MB 832625]. Basionym: *Hypholoma echiniceps* G.F. Atk., Annales Mycologici 7 (4): 370. 1909. Syn.: *Drosophila echiniceps* (G.F. Atk.) Murrill, Mycologia 14 (2): 69. 1922; *Psathyrella echiniceps* (G.F. Atk.) A.H. Sm., Mem. N. Y. Bot. Gard. 24: 35. 1972.
- Lacrymaria flavidifolia*** (Corner) Voto, comb. nov. [MB 832627]. Basionym: *Psathyrella flavidifolia* Corner, Gardens Bulletin Singapore 45 (2): 339. 1993.
- Lacrymaria malayana*** (Corner) Voto, comb. nov. [MB 832628]. Basionym: *Psathyrella malayana* Corner, Gardens Bulletin Singapore 45 (2): 341. 1993.

Lacrymaria nigeriensis (Pegler & T.W.K. Young) Voto, comb. nov. [MB 832629]. Basionym: *Psathyrella nigeriensis* Pegler & T.W.K. Young, Mycological Research 96 (6): 503. 1992.

Lacrymaria pseudovelutina (Guzmán, Bandala & Montoya) Voto, comb. nov. [MB 832630]. Basionym: *Psathyrella pseudovelutina* Guzmán, Bandala & Montoya, Revista Mexicana de Micología 6: 107. 1991.

Lacrymaria retispora (Corner) Voto, comb. nov. [MB 832632]. Basionym: *Psathyrella retispora* Corner, Gardens Bulletin Singapore 45 (2): 339. 1993.

Lacrymaria splendens (Corner) Voto, comb. nov. [MB 832633]. Basionym: *Psathyrella splendens* Corner, Gardens Bulletin Singapore 45 (2): 341. 1993.

Lacrymaria valdiviana (Singer) Voto, comb. nov. [MB 832634]. Basionym: *Psathyrella valdiviana* Singer, Beihefte zur Nova Hedwigia 29: 185. 1969.

Lacrymaria verrucispora (Corner) Voto, comb. nov. [MB 832636]. Basionym: *Psathyrella verrucispora* Corner, Gardens Bulletin Singapore 45 (2): 344. 1993.

Montagnea schuppai (Rick) Voto, comb. nov. [MB 832637]. Basionym: *Montagnites schuppai* Rick, Egatea 13: 434. 1928.

Coprinellus neodilectus Voto, sp. nov. [MB 832638].

Typus: Poland, Bieszczady Mts, Bieszczadzki National Park, slopes of Tarnica Mt. near the tourist trail, ATPOL: GG-60, 5.IX.2011, leg. A. Kujawa, det. B. Gierczyk, BGF/BdPN/110905/0002.

The name refers to the informal species *Coprinus dilectus* Fr. sensu auct. eur., non J. Lange (1915) [= *Coprinopsis erythrocephala* (Lév.) Redhead, Vilgalys & Moncalvo].

DIAGNOSIS

Pileus when closed 3-10 mm broad, 4-14 mm high, ovoid then cylindrical-conical, expanding to campanulate, finally plane or convex, 10-25 mm broad, wrinkled-sulcate to centre, rusty-tawny, orange-tawny, brick coloured, orange, orange brown, paler at margin, fading to greyish towards margin; veil adpressed granulate to scurfy-scaly when fresh, orange coloured especially in younger fruitbodies.

Lamellae subdistant (L ca. 20), with lamellulae (l = 1), adnexed, at start pale buff to sub concolorous with the pileus, then greyish, finally violaceous brownish black, not or slowly deliquescent.

Stipe 13-35 × 0.5-2.0 mm, equal to slightly thickened at the base, whitish to greyish or with an ochraceous buff tinge, sometimes pale rusty-tawny to orange at the base, entirely minutely pubescent pruinose when fresh. Odour none.

Spores (9-)11.0-15.6 × 5.6-8.2 µm, in front view elliptic, in side view narrowly amygdaliform to sometimes somewhat irregular, smooth, base rounded, apex sub truncate, red-brown in water; germ pore more or less distinctly eccentric. Basidia 4-spored, 25.0-40.0 × 10.0-12.0 µm. Pleurocystidia absent. Cheilocystidia mainly lageniform, sometimes utriform, numerous to locally scattered or clustered, neck often slightly attenuated upwards, 30.0-80.0 × 16.0-30.0 µm, apex 6-12 µm broad, obtuse, usually intermixed with distinct to inconspicuous, globose to sphaeropedunculate cystidia. Pileipellis an epithelium of ca. 12-30 µm broad cells. Pileocystidia 56.0-124.0 × (16.0-)18.0-25.0(-30.0) µm, lageniform; neck cylindric to slightly attenuated upwards; apex 5.0-10.0(-12.0) µm broad, obtuse, sometimes partly incrustate; thin-walled; numerous to scattered and then more detectable at margin.

Veil made of hyaline to pale yellow-orange-brown, encrusted or not, thin-walled, mainly globose, 10.0-45.0 µm broad sphaerocysts, interconnected by slender hyphae. Caulocystidia lageniform, up to 170.0 µm long. Clamps present, at least on the stem hyphae.

Habitat on wet wood, on muddy soil, on wet peaty soil, solitary to gregarious.