

New species and combinations in the pale-spored Agaricales

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The following new species are described (all the types are from Finland): *Clitocybe gigas* Harmaja, *Clitocybe subsinopica* Harmaja, *Cystoderma lilacipes* Harmaja, *Melanoleuca brevispora* Harmaja, and *Pleurotus viscidus* Harmaja. *Clitocybe subdryadicola* Harmaja (nomen novum) must replace *C. serotina* Lamoure (non Vel.). The following new combinations are made: *Cystoderma jasonis* (Cooke & Masee) Harmaja, *Cystoderma terreii* (Berk. & Broome) Harmaja, and *Rhodocybe harperi* (Murr.) Harmaja.

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Clitocybe gigas Harmaja, n. sp. — *A Clitocybe geotropa, quae sat similis est, differt basidiocarpis maioribus (diametro 9—28 cm) et infundibuliformibus, stipite brevioribus (4—11 × 1.2—3.8 cm), lamellis densioribus et angustioribus, hyphis oleiferis lamellarum paucis et sporis sat dissimilibus: 6.5—8.5(—11.0) × 4.5—6.0(—7.0) μm, magnitudine variabilibus in eadem lamella, praecipue ± lacrymoideis sed partim ± late ellipsoideis.* — *Typus:* Finland, prov. Kuusamo, par. Kuusamo, Liikasenvaara, Korvasvaara, alt. 280 m, dolomite area, in litter in luxuriant mixed grass-herb forest and in somewhat drier forest, accompanied by *Calypto bulbosa*, *Carex capillaris*, *C. digitata*, *Cypripedium calceolus*, *Equisetum scirpoides*, *Fragaria vesca*, *Poa alpina*, *Saussurea alpina*, *Selaginella selaginoides*, *Rhytidiadelphus triquetrus*, *Clitocybe lohjaensis*, *C. strigosa*, *Gerronema albidum*, *Tricholoma bufonium*, *Helvella hyperborea* (on 10.IX.), *H. palustris*, *Lactarius scrobiculatus*, *Otidea propinquata*, 26.VIII.1970 H. Harmaja (H). Other specimens from Kuusamo also seen.

Clitocybe subdryadicola Harmaja, nom. nov. — *Clitocybe serotina* Lamoure, Trav. Sci. Parc Nat. Vanoise 2: 141. 1972; non *Clitocybe serotina* Vel., Nov. mycol.: 72. 1939.

Clitocybe subsinopica Harmaja, n. sp. — *Clitocybis sinopicae valde similis, ab ea praecipue differt basidiocarpio typice tenuiore, sporis minoribus (6.0—8.5 × 4.0—5.0 μm) et verisimiliter massa sporarum pallide flavida. Est C. sinopica sensu Bigelowii.* — *Typus:* Finland, prov. Kuusamo, par. Kuusamo, church village, ca. 5 km north of church, ca. 500 m SE of western end of the small lake Petäjälampi, frequent in site used for German encampment in World War II, in dry heath forest with *Pinus sylvestris*, 8.VIII.1966 T. Ahti 22794 (H). Specimens also seen from Sweden and the U.S.A.

Cystoderma jasonis (Cooke & Masee) Harmaja, n. comb. (*Agaricus Jasonis* Cooke & Masee in Cooke, Grevillea 16: 77. 1888. Holotype in K examined. — *Cystoderma amianthinum* var. *longisporum* Kühn. ex Kühn., Bull. Soc. Linn. Lyon 38: 185. 1969.)

Cystoderma lilacipes Harmaja, n. sp. [*Cystoderma longisporum* var. *purpurascens* Heinem. & Thoen, Bull. Soc. Mycol. France 89: 18. 1973. — Not validly published according to 'Code', Art. 43.] — *A Cystodermate jasonis differt basidiocarpio tenuiore, pileo brunneo minutissime granuloso, apice stipitis supra zonam annularem violaceo, carne pallida sed non flava, sporis ca. 6.0—7.5 ×*

3.3—4.8 μm (*leniter crassioribus*). — *Typus*: Finland, prov. Etelä-Karjala, par. Vehkalahti, NW part of Turkia village, acid rocky outcrops in *Larix* plantation, on/among *Polytrichum juniperinum*, 1.X.1977 L. Fagerström (H). Additional specimens from southern Finland also seen.

Cystoderma terreii (Berk. & Broome) Harmaja, n. comb. (*Agaricus Terreii* Berk. & Broome, Ann. Mag. Nat. Hist. 4(6): 462. 1870. Holotype in K examined. — *Agaricus granulosis cinnabarinus* Secr., Mycogr. suisse 1: 60. 1833. — *Cystoderma cinnabarinum* (Secr.) Fayod ex Konr. & Maubl., Icon. Sel. Fung. 3(3): pl. 238. 1927.)

Melanoleuca brevispora Harmaja, n. sp. — *Pileus* 3—7 cm *latus*, *obscure brunneus*. *Stipes* 6—12 \times 0.4—1.2 cm, *mediocriter brunneus*, *glaber*. *Lamellae albae*. *Odor et sapor nullus*. *Hyphae defibulatae*. *Sine cystidiis et pileocystidiis*. *Sporae* 5.0—7.5 \times 4.0—5.2 μm , *late ellipsoideae vel subglobosae*, *tunica verrucosa amyloidea*. — *Typus*: Finland, prov. Varsinais-Suomi, Karkkila (Pyhäjärvi), Haavisto, in deep moss in luxuriant rich fen 500 m E of the small lake Iitalampi, with *Carex*

acutiformis, *C. appropinquata*, *C. flava*, *C. heleonastes*, *Epipactis palustris*, *Luzula sudetica*, *Paludella squarrosa*, *Scorpidium trifarium*, *Sphagnum warnstorffii*, *Tomentypnum nitens*, *Bovista paludosa*, 25.IX.1969 H. Harmaja (H).

Pleurotus viscidus Harmaja, n. sp. — *Basidiocarpus satis tenuis*. *Pileus* 2—5 cm *latus*, *leniter et irregulariter hygrophanus*, *pallide lilacinus dein cum maculis ferrugineis*, *viscidus*. *Stipes distinctus*, 1—2 \times 0.3—0.8 cm, *lateralis vel sublateralis*, *albus*, *cum zona annulari*. *Lamellae albae dein cum maculis ferrugineis*, *elasticae*. *Odor et sapor nullus*. *Hyphae tramatis pilei et lamellarum intricatae*, *monomiticae*, *crassitunicatae* (*usque ad* 2.5 μm), *fibulatae*. *Cystidia desunt*. *Sporae* 7.5—10.0 \times 2.5—3.5 μm , *inamyloideae*, *cylindricae*, *rectae vel parce curvatae*, *in massa albae*. — *Typus*: Finland, prov. Kainuu, Kajaani rural commune, Jormua, moist grass-herb forest on brookside, in somewhat decayed log of *Salix caprea*, 25.VIII.1976 H. Harmaja (H).

Rhodocybe harperi (Murr.) Harmaja, n. comb. (*Clitocybe Harperi* Murrill, Mycologia 5: 209. 1913. Holotype in NY examined.)

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