

NOTULAE AD FLORAM AGARICINAM NEERLANDICAM – XXIII
Psilocybe and Pholiota

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While preparing the Strophariaceae for the Flora agaricina neerlandica, vol. 4, and the new edition of the 'Standaardlijst van Nederlandse Macrofungi' (Arnolds et al., 1995), the author decided to accept the generic concepts within the family as conceived by A.H. Smith (1979) and Kühner (1980) resulting in two genera: *Psilocybe* (comprising the genera *Psilocybe* s.str., *Stropharia*, *Hypholoma* or *Naematoloma*, and *Melanotus*), and *Pholiota*. This made the following new combinations and new taxa necessary.

Psilocybe subg. Hypholoma (Fr.) Noordel., comb. & stat. nov.

Basionym: *Agaricus* tribus *Hypholoma* Fr., Syst. mycol. 1 (1821) 11.

Psilocybe subg. Melanotus (Pat.) Noordel., comb. & stat. nov.

Basionym: *Melanotus* Pat., Ess. taxon. Hymenomyc. (1900) 175.

Psilocybe subg. Stercophila Romagn. ex Noordel., subg. nov.

Stercophila Romagn., Rev. mycol. 1 (1936) 36 (nom. nud., no Latin diagn.).

Basidiomata cum velo glutinoso sporis grandis. — Species typica: *P. semiglobata* (Batsch: Fr.) Noordel.

Basidiomata with glutinous veil and very large spores.

Psilocybe subg. Stropharia (Fr.) Noordel., comb. & stat. nov.

Basionym: *Agaricus* subg. *Stropharia* Fr., Summa Veget. 2 (1849) 295.

Psilocybe subg. Stropholoma (Sing.) Noordel., comb. & stat. nov.

Basionym: *Nematoloma* sect. *Stropholoma* Sing., Sydowia 2 (1948) 36.

Psilocybe sect. Fasciculares (Fr.) Noordel., comb. & stat. nov.

Basionym: *Agaricus* sect. *Fasciculares* Fr., Monogr. Hymenomyc. Sueciae 1 (1857) 415.

Psilocybe sect. Psilocyboides (Sing.) Noordel., comb. nov.

Basionym: *Nematoloma* sect. *Psilocyboides* Sing., Sydowia 2 (1948) 36.

Pholiota subg. Sordidae (Sing.) Noordel., *comb. & stat. nov.*

Basionym: *Pholiota* sect. *Sordidae* Sing., Sydowia 15 (1961) 79.

Psilocybe aeruginosa (Curtis: Fr.) Noordel., *comb. nov.*

Basionym: *Agaricus aeruginosus* Curtis, Cat. pl. London 2 (1774) pl. 309.

Psilocybe albonitens (Fr.) Noordel., *comb. nov.*

Basionym: *Agaricus albonitens* Fr., Monogr. Hymenomyc. Sueciae 1 (1857) 415.

Psilocybe aurantiaca (Cooke) Noordel., *comb. nov.*

Basionym: *Agaricus squamosus* forma *aurantiaca* Cooke, Handb. Brit. Fungi 2 (1883–1891) 199.

Psilocybe caerulea (Kreisel) Noordel., *comb. nov.*

Basionym: *Stropharia caerulea* Kreisel, Beih. Sydowia 8 (1980. '1979') 229.

Psilocybe capnoides (Fr.) Noordel., *comb. nov.*

Basionym: *Agaricus capnoides* Fr., Syst. mycol. 1 (1821) 289.

Psilocybe coronilla (Bull.: Fr.) Noordel., *comb. nov.*

Basionym: *Agaricus coronilla* Bull., Hist. Champ. Fr. 2 (1812) 633.

Psilocybe ericaeoides (P.D. Orton) Noordel., *comb. nov.*

Basionym: *Hypholoma ericaeoides* P.D. Orton, Trans. Brit. mycol. Soc. 43 (1960) 273.

Psilocybe fasciculare (Huds.: Fr.) Noordel., *comb. nov.*

Basionym: *Agaricus fasciculare* Huds., Fl. angl. 2 (1778) 615.

Psilocybe fasciculare var. pusilla (J. Lange) Noordel., *comb. nov.*

Basionym: *Hypholoma fasciculare* var. *pusilla* J. Lange, Dansk bot. Ark. 4 (4) (1923) 40.

Psilocybe halophila (Pacioni) Noordel., *comb. nov.*

Basionym: *Stropharia halophila* Pacioni, Trans. Br. mycol. Soc. 91 (1988) 579.

Psilocybe horizontalis (Bull.) Vellinga & Noordel., *comb. nov.*

Basionym: *Agaricus horizontalis* Bull., Hist. Champ. Fr. 2 (1812) 573.

Psilocybe hornemanii (Fr.) Noordel., *comb. nov.*

Basionym: *Agaricus hornemanii* Fr., Observ. mycol. 2 (1818) 13.

Psilocybe inuncta (Fr.) Noordel., *comb. nov.*

Basionym: *Agaricus inunctus* Fr., Elench. fung. 1 (1828) 40.

Psilocybe laeticolor (F.H. Moeller) Noordel., *comb. nov.*Basionym: *Naematoloma laeticolor* F.H. Moeller, Fung. Faeroes 1 (1945) 192.**Psilocybe lateritia** (Schaeff.: Fr.) Noordel., *comb. nov.*Basionym: *Agaricus lateritius* Schaeff., Fung. Bavariae 4 (1774) 22.**Psilocybe magnivelaris** (Peck in Harriman) Noordel., *comb. nov.*Basionym: *Stropharia magnivelaris* Peck in Harriman, Alaska Series (1904) 44.**Psilocybe marginata** (Pers.: Fr.) Noordel. *comb. nov.*Basionym: *Agaricus marginatus* Pers., Observ. mycol. 1 (1821) 11.**Psilocybe melanosperma** (Bull. ex Pers.: Fr.) Noordel.Basionym: *Agaricus melanospermus* Bull., Hist. Champ. Fr. (1792) pl. 540, fig. 2.**Psilocybe philipsii** (B. & Br.) Vellinga & Noordel., *comb. nov.*Basionym: *Agaricus philipsii* B. & Br., Ann. Mag. nat. Hist. 17 (1878) 21.**Psilocybe pseudocyanea** (Desm.: Fr.) Noordel., *comb. nov.*Basionym: *Agaricus pseudocyaneus* Desm., Cat. pl. omises botanogr. Belgique (1823) 22.**Psilocybe radicosum** (J. Lange) Noordel., *comb. nov.*Basionym: *Hypoloma radicosum* J. Lange, Dansk bot. Ark. 4 (4) (1923) 39.**Psilocybe rugosoannulata** (Farlow ex Murrill) Noordel., *comb. nov.*Basionym: *Stropharia rugosoannulata* (Farlow ex Murrill, Mycologia 14 (1922) 139.**Psilocybe semiglobata** (Batsch: Fr.) Noordel., *comb. nov.*Basionym: *Agaricus semiglobatus* Batsch, Elench. Fung. Contin. 1 (1783) 141, fig. 110.**Psilocybe squamulosa** (Masseé) Noordel., *comb. nov.*Basionym: *Stropharia aeruginosa* var. *squamulosa* Masee, Trans. Br. mycol. Soc. 1 (1897) 73.**Psilocybe xanthocephala** (P.D. Orton) Noordel., *comb. nov.*Basionym: *Hypoloma xanthocephalum* P.D. Orton, Notes R. bot. Gdn. Edinb. 41 (1984) 586.

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