

Nomenclatural Overview of Lepiotaceous Fungi (*Agaricaceae*) Version 4.8

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“A careful business man takes an inventory of stock on hand at certain intervals in the development of his business. It would appear that this common-sense procedure could be applied equally to systematic mycology, and that if the knowledge on hand were put together in compact form, and the species no longer known or names no longer tenable could be thrown on the rubbish heap, a large amount of confusion and error in our accounts of existing plants¹ would be eliminated.”

Kauffman (1924)



¹ In Kauffman's time, fungi were considered to be plants, now we know that fungi and plants are not closely related and both form their own kingdoms: Fungi and Viridiplantae.

Version 4.8 is augmented with many new data (e.g. ten *Micropsalliota* taxa from Thailand, 20 taxa from India published in 2009, nine new *Leucoagaricus* species from the U.S.A., several taxa from Argentina and Brazil, a new variety from Madagascar described in the 1920s, and the yeast forming cultivar of the genus *Cyphomyrmex*), new references and descriptions, notably of species described by Peck, some collected during my stay in the library of the National Herbarium in Leiden, the Netherlands, in February 2009.

Version 4.7 differs in small details from the earlier versions, with some updated author names, some more web references, two new species, some new combinations, some more *Agaricus* names and many miscellaneous minutiae.

New formatting, and colour coding of the descriptions should make it easier to use. All notes are now in square brackets below the entry.

Version 4.6 sees two new *Lepiota* species from a hothouse in Germany included, species that also occur on the Hawai'ian islands. Species not considered belonging to the *Agaricaceae* are now colour coded in blue, those accommodated in the *Amanitaceae* are in purple.

With version 4.5 began the addition, in many instalments, of *Agaricus* species, starting with those described in the last 10 years. All species in the *Agaricus* clade are indicated by {*Agaricus*} at the end of the entry. *Chamaemyces carmelensis* is a new species from Israel.

Version 4.4 started off with the new variety *Lepiota oregonensis* var. *macrospora*. *Smithiogaster volvoagaricus* and *Attamyces bromatificus* have also been added. Descriptions of species described by Murrill and Burlingham have been incorporated.

Version 4.3 contained eight more names than version 4.2: *Lepiota decipiens*, *Lepiota amianthina* var. *evae*, *Lepiota nainitala*, *Lepiota mastoidea* var. *pobudae*, *Lepiota polinea*, *Lepiota sulphurea*, *Lepiota procera* var. *umbrosa*, and *Allopsalliota geesterani*.

Links to free on-line sources for literature were given.

New for version 4.0 was the list of references for the type studies and other commentary cited within the square brackets, at the end of the file. Also new for version 4.0 was the list of species which have a full description in the text.

The purpose of this list is to collect all names that have been published at the species level and below in the agaricoid genera of the *Agaricaceae* and to provide them with literature references.

The list contains over 1600 names and the genera covered include *Allopsalliota*, *Chamaemyces*, *Chlorophyllum*, *Clarkeinda*, *Cystolepiota*, *Endoptychum*, *Echinoderma*, *Heinemannomyces*, *Hiatulopsis*, *Hymenagaricus*, *Janauaria*, *Lepiota*, *Leucoagaricus*, *Leucocoprinus*, *Lepiotohyllum*, *Macrolepiota*, *Melanophyllum*, *Micropsalliota*, *Neosecotium*, *Pulverolepiota*, *Rugosospora*, *Schulzeria*, *Sericeomyces*, *Smithiogaster*, *Smithiomyces*, *Termiticola*, and *Xanthagaricus*. A slowly growing number of *Agaricus* taxa is incorporated. *Cystoagaricus* and *Notholepiota*, though not belonging to the *Agaricaceae*, are also included.

A separate file with all generic names in the *Agaricaceae* (including *Coprinus* and gasteroid taxa), and family synonyms is also available (Vellinga, E.C., 2009. Nomenclatural overview of genera in the *Agaricaceae* Chevall. Version 4.1. 12 pages).

The names were primarily derived from the Index of Fungi (both the paper and on-line versions), Petrak's lists, and Saccardo's Sylloge Fungorum, especially volume 5 (1887). The references were found through an extensive literature search. A few sources proved impossible to trace, and the 30 or so entries where references are missing or incomplete are flagged with three question marks: "???"

The list will change as new taxa are discovered and described and as developments in phylogeny and classification introduce new combinations and taxa. The intention is to bring the list up-to-date twice a year, each time adding one to the version number. Minor changes may be made at any time with decimal increments to the version number. Each revision will also contain the date it is posted. To be current, revisit this site regularly!

The list is organized alphabetically by epithet, whether it be at the species or a lower level. This means that *Lepiota alba* and *L. alba* f. *silvatica* are found under 'A' and 'S' respectively. To find all infraspecific taxa for a given epithet, you should search on that epithet.

Within individual entries the order and amount of information is not always consistent. Some supplementary material is placed between square brackets: descriptions (see list on page 5 and 6), notes, remarks, whether the species is regarded as a synonym of another species, and by whom, references to type studies etc. However, this information is not comprehensive and is included rather arbitrarily. It is also quite personal; in some cases I regard species as synonymous, but other workers in the field would disagree. The type collection and the country of origin are other examples of data that are sometimes provided.

Names in current use are not indicated.

The list of references for the type studies and other commentary cited within the square brackets is given at the end of the file.

A secotioid lifeform is indicated by {SEC} at the end of the entry.

Species in the *Agaricus* clade (the genera *Agaricus*, *Allopsalliota*, *Heinemannomyces*, *Hymenagaricus*, *Micropsalliota*, *Psalliota*, *Smithiogaster*, and *Xanthagaricus*) are indicated by {Agaricus} at the end of the entry.

A list of species which have a full description in this file is given on pages 5-6.

Many other (free) descriptions can be found on line:

- the Index Fungorum website (www.indexfungorum.org) and Libri Fungorum at <http://194.203.77.76/librifungorum> with e.g. links to Saccardo's Sylloge Fungorum
- Mycobank (www.mycobank.org), the depository for new species descriptions
- Cyber Liber (www.cybertruffle.org.uk/cyberliber/index.htm) for e.g. the first 89 Mycotaxon volumes, Grevillea, and Saccardo's Sylloge Fungorum (the latter under 'Catalogues')
- www.botanicus.org of the Missouri Botanical Garden which offers a scanned version of the North American Flora, Hedwigia and many other old publications (this is part of the Biodiversity Heritage Library project www.biodiversitylibrary.org)
- the French national library's website (<http://gallica.bnf.fr>) for books by Fries and other 19th century authors
- the Digital Library of the Royal Botanic Garden in Madrid (<http://bibdigital.rjb.csic.es/ing/>) for many old periodicals
- and another source for old books at <http://imgbase-scd-ulp.u-strasbg.fr>
- do not forget GOOGLE books as a source for old literature either,
- and then there is www.archive.org/index.php.

Thanks are due to all who have helped me find items for this list, viz. to the compilers of the Index of Fungi, especially Paul Kirk, and to Cees Bas, Jaime Bernardo Blanco Dios, Guy Garcia, Zu-Wei Ge and Zhu-Liang Yang, Andreas Gminder, Jacques Melot, Hidetsuga Miwa, Pierre-Arthur Moreau, Shaun Pennycook, Beatrice Senn-Irlet, Rod Tulloss, Nicolas Van Vooren, and Ruben Walley, and to the librarians of the Nationaal Herbarium in Leiden, the Netherlands, the Bioscience library of UC-Berkeley, U.S.A., and the Farlow Reference Library at Harvard University, Cambridge, U.S.A., who tend such excellent collections. John Lennie helped me find inconsistencies, discrepancies, entries which were out of alphabetical order and gave me general advice on organizing this list.

If you come across mistakes, know of a grave omission, or can help me get rid of the "???", please contact me at [ecvellinga\[at\]comcast.net](mailto:ecvellinga[at]comcast.net).

When you refer to this list, please cite it as "Vellinga, E.C., 2010. Nomenclatural overview of Lepiotaceous Fungi. Version 4.8."

List of species with a description in this file

<i>abruptibulba</i> , <i>Lepiota</i>	[added 25 April 2008]
<i>acerina</i> , <i>Lepiota</i>	[added 10 March 2009]
<i>allенаe</i> , <i>Lepiota</i>	[added 11 March 2009]
<i>agaricaceus</i> , <i>Leucoagaricus</i>	[added 22 September 2009]
<i>alluviinus</i> , <i>Agaricus</i>	[added 10 March 2009]
<i>arenicola</i> Peck, <i>Lepiota</i>	[added 10 March 2009]
<i>atrodisca</i> , <i>Lepiota</i>	
<i>atrovinosa</i> , <i>Lepiota</i>	[added 4 February 2009]
<i>aureola</i> , <i>Cystolepiota</i>	
<i>avellanea</i> , <i>Lepiota</i>	
<i>beckleri</i> , <i>Agaricus</i>	[added 2 April 2009]
<i>bromatificus</i> , <i>Attamyces</i>	[added 8 November 2007]
<i>brunneosquarrosa</i> , <i>Lepiota</i>	
<i>bubalinus</i> , <i>Agaricus</i>	[added 2 April 2009]
<i>caerulescens</i> , <i>Lepiota</i>	[added 12 May 2008]
<i>campestris</i> , <i>Macrolepiota</i>	
<i>castanescens</i> , <i>Lepiota</i>	[added 3 October 2007]
<i>citrinus</i> , <i>Agaricus</i>	
<i>crustosa</i> , <i>Macrolepiota</i>	
<i>cupressea</i> , <i>Lepiota</i>	[added 2 October 2007]
<i>cyanea</i> , <i>Lepiota</i>	[added 12 May 2008]
<i>cyanescens</i> , <i>Lepiota</i>	[added 20 May 2008]
<i>decorata</i> , <i>Lepiota</i>	
<i>denudatus</i> , <i>Agaricus</i>	[added 11 March 2009]
<i>earlei</i> , <i>Lepiota</i>	[added 8 September 2009]
<i>eximius</i> , <i>Agaricus</i>	[added 11 March 2009]
<i>exstructus</i> , <i>Agaricus</i>	
<i>farinosa</i> , <i>Lepiota</i>	[added 11 March 2009]
<i>felinoides</i> , <i>Lepiota</i>	[added 1 February 2008]
<i>fuliginescens</i> , <i>Lepiota</i>	
<i>fumosifolia</i> , <i>Lepiota</i>	
<i>fusc squameus</i> , <i>Agaricus</i>	[added 4 March 2009]
<i>geniculispora</i> , <i>Lepiota</i>	
<i>glaziovii</i> , <i>Agaricus</i>	[added 2 February 2009]
<i>felina</i> var. <i>laeviceps</i> , <i>Lepiota</i>	
<i>jamaicensis</i> , <i>Lepiota</i>	[added 25 April 2008]
<i>marginata</i> , <i>Lepiota</i>	[added 2 October 2007]
<i>miamensis</i> , <i>Agaricus</i>	
<i>minutulus</i> , <i>Leucocoprinus</i>	
<i>neophana</i> , <i>Lepiota</i>	[added 17 December 2008]
<i>oblitus</i> , <i>Agaricus</i>	[added 4 March 2009]
<i>oculata</i> , <i>Lepiota</i>	
<i>permodestus</i> , <i>Agaricus</i>	[added 11 March 2009]
<i>petasiformis</i> , <i>Lepiota</i>	
<i>pulverapella</i> , <i>Lepiota</i>	[added 28 September 2007]

pusillomyces, *Agaricus*..... [added 11 March 2009]
rhacodermus, *Agaricus*
roseifolia, *Lepiota*..... [added 3 October 2007]
roseolivida, *Lepiota*
rubrotinctoides, *Lepiota*
rubrotinctus Peck, *Agaricus*..... [added 11 March 2009]
rufipes, *Lepiota*..... [added 31 March 2009]
salmoneophyllus, *Leucoagaricus*..... [added 9 October 2007]
scobinellus, *Agaricus*
septentrionalis, *Schulzeria*..... [added 11 March 2009]
sequoiarum, *Lepiota*
solidipes, *Lepiota*..... [added 10 March 2009]
subamanitiformis Dennis, *Lepiota*
subamanitiformis S. Imai, *Lepiota*
subnivosa, *Lepiota*
subprocerus, *Agaricus*..... [added 11 March 2009]
vezo, *Lepiota procera* var. [added 7 April 2009]

- Agaricus abramsii* Murrill in Mycologia 4: 298. 1912. U.S.A., California. {Agaricus}
- Lepiota abruptibulba* Murrill in Mycologia 3: 88. 1911. Cuba.
[type study Smith, 1966; see also Dennis, 1952 and Pegler, 1987b]
[Murrill, 1911: “Pileus fleshy, rather thin, 6-7 cm. broad, hemispheric to sub-expanded, at first umbonate, at length obtuse; surface rich reddish-brown, the cuticle breaking into minute, floccose-granular scales, not striate, darker on the umbo; lamellae white, free, crowded, unequal, rather broad; spores subglobose to ovoid, smooth, hyaline, tinged with brown, 5-5.5 X 4 μ ; stipe cylindric, subglabrous, tinged with reddish-brown, hollow, 7 cm. long, 6 mm. thick, the base swollen into an abrupt, flattened bulb; annulus large, persistent, superior, movable.”]
- Leucocoprinus abruptibulbus* R. Heim in Rev. Mycol., Paris 33: 213. 1968; *Macrolepiota abruptibulba* (R. Heim) Heinem. in Bull. Jard. bot. nat. Belg. 39: 218. 1969;
Chlorophyllum abruptibulbum (R. Heim) Vellinga in Mycotaxon 83: 416. 2002. Typus M.N.H.N.P.no. LM 3001. Central African Republic. – *Lepiota subprocera* Beeli, 1932, non *Lepiota subprocera* (Saut.) Sacc., 1887.
- Agaricus abruptibulbus* Peck in Ann. Rep. N. Y. State Mus. 94: 36. 1905. {Agaricus}
[an *Agaricus* species, in sect. *Arvenses*]
- Lepiota meleagris* var. *abyssinica* Henn. in Engler bot. Jahrb. 14: 357. 1891; *Hiatula meleagris* var. *abyssinica* (Henn.) Singer in Annales mycologici 34: 431. 1936. Abyssinia.
- Leucoagaricus acaciarum* Singer in Beih. Sydowia 7: 67. 1973. Argentina.
- Leucocoprinus acer* Raithelh. in Metrodiana 16: 9. 1988. Argentina. Typus no. 30634 BAFC.
- Lepiota acerina* Peck in Ann. Rep. St. Bot. Mus. N.Y. nat. Hist. 51: 283. 1898. “Prostrate mossy trunks of sugar maple, *Acer saccharum*. North Elba, Essex county, August.” U.S.A., New York.
[probably synonymous with *Lepiota boudieri*]
[Peck, 1898: “Pileus convex, dry, floccose-squamulose, pale tawny or subalutaceous, brownish and subumbonate in the centre; lamellae thin, close, free, pallid, pruinose when dry; stem equal, stuffed or hollow, floccose-squamulose below the obsolete ring, colored like the pileus; spores oblong or narrowly elliptic, very blunt or subtruncate at one end, .0003 to .00045 in. long, .00016 to .0002 broad. Pileus 8 to 12 lines broad; stem 1 to 1.5 in. long, about 2 lines thick.”]
- Lepiota acicularis* Velen., Novitates mycol.: 49. 1939. Czech Republic.
- Agaricus acutesquamosus* Weinm., Syll. Pl. nov. Ratisb. 1: 70. 1824; *Lepiota acutesquamosa* (Weinm.) P. Kumm., Führ. Pilzk.: 136. 1871; *Cystolepiota acutesquamosa* (Weinm.) Bon in Doc. mycol. 7 (27-28): 11. 1977 (not valid, wrong basionym); *Echinoderma acutesquamosum* (Weinm.) Bon in Doc. mycol. 22 (88): 28. 1993; *Lepiota friesii* var. *acutesquamosa* (Weinm.) Qué. in Mém. Soc. Émul. Montbéliard, Sér. V, 2: 72. 1872 (Champ. Jura Vosges 1); *Lepiota aspera* var. *acutesquamosa* (Weinm.) Singer in Persoonia 2: 9. 1961.
[synonym of *Lepiota aspera*]
- Macrolepiota gracilentata* var. *acuteumbonata* Raithelh. in Metrodiana 15: 64. 1988, nom. nov. for *Lepiota procera* f. *gracilentata* sensu Rick, 1937; no Latin diagn.
- Leucocoprinus acutoumbonatus* T.K.A. Kumar & Manim. in Mycotaxon 108: 411. 2009. India, Kerala State. MB512341.
- Leucoagaricus adelphicus* Vellinga in Mycotaxon 112: 410. 2010.
- Lepiota cristata* var. *adextrinoidea* E. Valenz. & G. Moreno in Bol. Soc. micol. Madrid 19: 292. 1994.

- Lepiota adnatifolia* Peck in Bull. N.Y. St. Mus. 54, Botany 5: 947. 1902. (report over 1901); *Cystoderma granulosum* var. *adnatifolium* (Peck) A.H. Sm. & Singer in Pap. Michigan Acad. Sci. 30: 90. 1945; *Cystoderma adnatifolium* (Peck) Harmaja in Karstenia 14: 122. 1974; *Cystodermella adnatifolia* (Peck) Harmaja in Karstenia 42: 45. 2002. Ground under pine trees. Bolton and Hague, Warren Co. September. U.S.A., New York.
[not in *Agaricaceae*]
- Lepiota adorea* (Berk. & Broome) Sacc., Syll. Fung.: 57. 1887; *Agaricus adoreus* Berk. & Broome in J. linn. Soc., Bot. 11: 499. 1871. Sri Lanka.
[type study Pegler 1972; according to him a synonym of *Lc. cepistipes* (sensu Pegler)]
- Cystolepiota adulterina* (F.H. Møller) Bon in Doc. mycol. 7 (27-28): 54. 1977; *Lepiota adulterina* F.H. Møller in Friesia 6: 23. ('1957-1958') 1959. – *Cystolepiota adulterina* f. *reidii* Bon in Doc. mycol. 11 (43): 25. 1981; *Cystolepiota adulterina* var. *reidii* (Bon) Bon in Doc. mycol. 22 (88): 27. 1993. – *Cystolepiota subadulterina* Bon in Doc. mycol. 6 (24): 43. 1976; *Cystolepiota adulterina* var. *subadulterina* (Bon) Bon in Doc. mycol. 22 (88): 27. 1993.
[see Vellinga & Huijser, 1998, for a discussion of a collection from the type locality, and on the types of var. *reidii* and *C. subadulterina*]
- Lepiotula adusta* E. Horak in N.Z. J. Bot. 18: 186. 1980; *Lepiota adusta* (E. Horak) E. Horak in Sydowia 33: 97. ('1980') 1981. New Zealand.
- Lepiota aeruginea* Murrill in Lloydia 7: 305. ('1944') 1945. U.S.A., Florida. Holotype F 19324.
- Lepiota affinis* Velen., České Houby 2: 208. 1920; *Leucocoprinus affinis* (Velen.) Locq. in Bull. mens. Soc. linn. Lyon 14: 51. 1945; *Macrolepiota affinis* (Velen.) M.M. Moser in Gams, Kl. Kryptog.Fl. 2: 115. 1953; *Macrolepiota affinis* (Velen.) Bon in Doc. mycol. 7 (27-28): 13. 1977.
- Lepiota africana* Kalchbr., nom. nud.
[only listed as a name in a list of species; see Reid, 1975: 128; Cooke in Grevillea 10: 26-27. 1881]
- Neosecotium africanum* (Lloyd) Singer & A.H. Sm. in Madroño 15: 156. 1960; *Octaviania africana* Lloyd in Mycol. Writings 7: 1142. 1922; *Octaviania africana* Verwoerd in S. Afr. J. Sci. 22: 164. 1925; *Arcangeliella africana* (Lloyd) Zeller & Dodge in Ann. Missouri Bot. 22: 365. 1935. {SEC}
- Leucocoprinus africanus* R. Heim in Rev. Mycol., Paris 33: 213. 1968; *Macrolepiota africana* (R. Heim) Heinem. in Bull. Jard. bot. nat. Belg. 39: 207. 1969. Typus M.N.H.N.P. no. LM 1006. Central African Republic.
- Leucoagaricus agaricaceus* Heinem. in Bull. Jard. bot. nat. Bel. 43: 12. 1973. Congo.
[Heinemann, 1973: "Pileus carnosus, convexus, fuliginosus. Stipes cylindraceus, pilei concolor, fistulosus, annulo membranaceo praeditus. Lamellae cremeae, liberae subdistantes, latiusculae. Caro albida, fracta rosea deinde brunneola. Sporae 4,2-5,4 x 2,9-3,2 µm, amygdaliformes apice papillatae. Cystidiae vesiculosae brunneolae."]
- Endoptychum agaricoides* Czerniaïev in Bull. Soc. imp. Nat. Moscou 18 (2): 148. 1845; *Chlorophyllum agaricoides* (Czerniaïev) Vellinga in Mycotaxon 83: 416. 2002. {SEC}
[the proposal to conserve *Chlorophyllum* against *Endoptychum* has been accepted by the international botanical congress of 2005]
- Limacella agricola* Murrill in Mycologia 3: 81. 1911; *Lepiota agricola* (Murrill) Sacc. & Trotter in Syll. Fung. 23: 18. 1925. Jamaica.
- Agaricus agrinferus* Kerrigan & Callac in Kerrigan, Callac & Parra in Mycologia 100: 886. 1008. U.S.A., California, Point Lobos. Type in SFSU. {Agaricus}

- Lepiota alba* (Bres.) Sacc., Syll. Fung. 5: 37. 1887; *Lepiota clypeolaria* var. *alba* Bres., Fungi trident. 1: 15. 1882
[probably synonym of *Lepiota erminea*]
- Lepiota alba* Beeli in Bull. Soc. roy. bot. Belg. 64: 212. 1932, non *Lepiota alba* (Bres.) Sacc., 1887. Congo.
[see *Lepiota albida*]
- Lepiota alba* Lloyd ???
[sec. Bres., 1920, in Annales mycol. 18: 64.]
[possibly synonym of *Lepiota parvannulata*]
- Schulzeria alba* Rick in Iheringia, Bot. 8: 327. 1961. Brazil.
[type not indicated]
- Micropsalliota alba* Heinem. & Little Flower in Bull. Jard. bot. nat. Belg. 53: 75. 1983.
{Agaricus}
- Lepiota amianthina* var. *alba* Maire in Rea, British Basidiomycetes: 76. 1922.
[Cystoderma, not in Agaricaceae]
- Lepiota boudieri* var. *alba* Kelderman, Parasolzwammen van Zuid-Limburg: 77. 1994 (not valid, no Latin diagn., no type collection).
- Lepiota carcharias* var. *alba* (Fr.) Sacc., Syll. Fung. 5: 47. 1887.
- Lepiota albiceps* Pat. & Gaillard in Bull. Soc. mycol. Fr. 4: 11. 1888. Venezuela.
[type not in FH, not found in PC]
- Lepiota albida* Masee in Kew Bull. 1914: 72. 1914. Singapore.
- Lepiota albida* Beeli, Fl. Icon. Champ. Congo 2: 31, pl. 5, fig. 5. 1936, non *Lepiota albida* Masee, 1914; *Macrolepiota albida* (Beeli →) Heinem. in Bull. Jard. bot. nat. Belg. 39: 222. 1969, non *Volvolepiota albida* Singer, 1959. – *Lepiota alba* Beeli in Bull. Soc. roy. bot. Belg. 64: 2112. 1932, non *Lepiota alba* (Bres.) Sacc., 1887.
- Volvolepiota albida* Singer in Bol. Soc. arg. Bot. 8: 12. 1959, non *Macrolepiota albida* (Beeli) Heinem., 1969; *Macrolepiota brunnescens* Vellinga, nom. nov., in Mycotaxon 85: 184. 2003.
- Agaricus procerus* var. *albidus* Roum., Flore mycologique du département de Tarn-et-Garonne: 55. 1879 (as var. *albida*).
- Echinoderma acutesquamosum* f. *albineum* D. Réaudin in Doc. Mycol. 34 (135-136): 88. 2008. France. Type in LIP.
[white form of *E. acutesquamosum*]
- Limacella albissima* Murrill, N. Amer. Fl. 10: 40. 1914, nom. nov. for *Lepiota candida* Morgan, 1906, non *Lepiota candida* Copel., 1906; *Lepiota albissima* (Murrill) Murrill in Mycologia 6: 268. 1914.
[in Amanitaceae]
- Lepiota albocitrina* Pat. in Bull. Soc. mycol. Fr. 8: 46. 1892. Tonkin.
[type study Z.L. Yang, 2000]
- Lepiota albofibrillosa* Cleland in Trans. Proc. roy. Soc. South Australia 55: 154. 1931. Australia.
[type study Grgurinovic, 1997]
- Cystolepiota albogilva* Singer in Fieldiana, Bot., n.S. 21: 98-99. 1989.
- Micropsalliota albonuda* (Beeli) Heinem. in Bull. Jard. bot. nat. Belg. 58: 541. 1988; *Agaricus albonudus* Beeli in Bull. Soc. roy. Bot. Belg. 61: 93. 1928. {Agaricus}
- Lepiota delicata* var. *albonuda* Rick in Broteria, ser. Bot. 24: 99. 1930. Brazil.
- Micropsalliota albosericea* Heinem. & Leelav. in Mycol. Research 95: 341. 1991;
Micropsalliota albosericea Heinem. & Leelav. in Heinem. in Bull. trimest. Soc. mycol.

- Fr. 106: 21. 1990 (not valid, Art. 36.1). Holotype BR, Leelavathy F142; on soil; Kerala, India. {Agaricus}
- Agaricus albosericus* Rauschert in Nova Hedwigia 54 : 213. 1992; nom. nov. for *Psalliota aestivalis* F.H. Møller, 1950, non *Agaricus aestivalis* Schumach., 1803. {Agaricus}
- Lepiota alborubescens* Hongo in Mem. Fac. lib. Arts Educ. Shiga Univ., nat. Sci. 12: 40. 1962; *Macrolepiota alborubescens* (Hongo) Hongo in Trans. Soc. mycol. Japan 27: 107. 1986; *Chlorophyllum alborubescens* (Hongo) Vellinga in Mycotaxon 83: 416. 2002. Japan. [synonym of *Chlorophyllum hortense* (Murrill) Vellinga]
- Lepiota alborussea* (Berk. & Broome) Sacc., Syll. Fung. 5: 55. 1887; *Agaricus alborusseus* Berk. & Broome in J. linn. Soc., Bot. 11: 504. 1871. [according to Pegler, 1972 & 1986: synonym of *Lepiota erythrogramma*]
- Lepiota albosericca* Henn. in Verh. bot. Ver. Prov. Brandenburg 40: 143. 1898. hothouse Germany.
- Lepiota albosquamosa* Rick in Broteria, Bot. 18: 48. 1920. Brazil.
- Agaricus albuminosus* Berk. in Hooker, London J. Bot. 6: 461 bis. 1847; *Lepiota albuminosa* (Berk.) Sacc., Syll. Fung. 5: 72. 1887; *Collybia albuminosa* (Berk.) Petch in Ann. roy. bot. Gard., Peradeniya 5: 268. 1912; *Termitomyces albuminosus* (Berk.) R. Heim in Mém. Acad. Sci. Inst. Fr. 64: 72. 1941; *Macrolepiota albuminosa* (Berk.) Pegler in Kew Bull. 27: 189. 1972. Sri Lanka. [synonym of *Leucocoprinus cepistipes* sensu Pegler] [see Turnbull & Watling (1999) for a list of interpretations] [*Termitomyces albuminosus* sensu Heim has been renamed as *Termitomyces heimii* Natarajan]
- Leucocoprinus denudatus* var. *albus* Joss. in Bull. trimest. Soc. mycol. Fr. 90: 237. 1974; *Leucocoprinus straminellus* var. *albus* (Joss.) Migl. & Rava in Micol. Veget. medit. 14 (1): 25. 1999. France.
- Micropsalliota allantoidea* R.L. Zhao, Desjardin, K. Soyton & K.D. Hyde in Fungal Diversity 45: 47. 2010. Thailand. {Agaricus}
- Lepiota allenae* Peck in N.Y. State Mus. Bull. 150: 56. 1911. (Ann. Rep. St. Bot. over 1910) (cespitate, in a greenhouse. Newtonville, Massachusetts. August. Miss. L.C. Allen) U.S.A., Massachusetts. [Peck 1911: 56: "Pileus thin, conic, convex or campanulate, widely striate on the margin, unpolished, whitish or tinged with pale yellow, often yellowish brown in the center; lamellae thin, 1-2 mm broad, free, close, whitish or tinged with pale yellow; stem slightly tapering upward, glabrous, hollow, colored like the pileus, the annulus slight, persistent or evanescent; spores broadly ellipsoid or subglobose, 5-7 μ long, 4-6 μ broad. Pileus 8-15 mm broad; stem 12-20 mm long, 1-2 mm thick."]
- Agaricus (Lepiota) alliciens* Berk. in Herb. n. 76, Cooke in Grevillea 16: 105. ('1887') 1888; *Lepiota alliciens* (Berk.) Sacc., Syll. Fung. 9: 7. 1891. India.
- Agaricus alluviinus* Peck in Ann. Rep. N.Y. St. Mus. nat. Hist. 35: 157. ('1882') 1884; *Lepiota alluviina* (Peck) Morgan in J. Mycol. 12: 243. 1906. U.S.A., New York. [Peck, 1884: "Pileus thin, convex or plane, sometimes reflexed on the margin, white, adorned with minute pale-yellow, hairy or fibrillose scales; lamellae thin, close, free white or yellowish; stem slender, fibrillose, whitish or pallid, slightly thickened at the base, annulus slight, subpersistent, often near the middle of the stem; spores elliptical, .00025'-.0003' long, .00016'-.0002' broad. Plant 1-2' high; pileus .5-1' broad; stem 1''-1.5'' thick. Alluvial soil, among weeds. Albany. July. In the fresh plant the scales are of a pale-yellow or lemon color, but in drying they and the whole pileus take a deeper

rich yellow hue. The annulus is generally remote from the pileus, sometimes even below the middle of the stem.”]

Lepiota alopochroa (Berk. & Broome) Sacc., Syll. Fung. 5: 63. 1887; *Agaricus alopochrous* Berk. & Broome in J. linn. Soc., Bot. 11: 510. 1871; *Lepiotula alopochroa* (Berk. & Broome) E. Horak in N.Z. J. Bot. 18: 185. 1980. Sri Lanka. Holotypus Thwaites 924 (K). [type study Pegler, 1972]

Hymenagaricus alphitochrous (Berk. & Broome) Heinem. in Bull. Jard. bot. nat. Belgique 51: 466. 1981; *Agaricus alphitochrous* Berk. & Broome in J. linn. Soc., Bot. 11: 511. 1871; *Lepiota alphitochroa* (Berk. & Broome) Sacc., Syll. Fung. 5: 64. 1887; *Psalliota alphitochroa* (Berk. & Broome) Petch in Ann. roy. bot. Gdn., Peradeniya 4: 54. 1907. Sri Lanka. Holotypus Thwaites 771 (K). {Agaricus}

Chamaemyces alphitophyllus (Berk. & M.A. Curtis) Murrill in Mycologia 3: 91. 1911; *Agaricus alphitophyllus* Berk. & M.A. Curtis in Proc. Amer. Acad. Arts Sci. 4: 112. 1858; *Armillaria alphitophylla* (Berk. & M.A. Curtis) Murrill in N. Am. Fl. 10(1): 39. 1914; *Oudemansiella alphitophylla* (Berk. & M.A. Curtis) Boedijn in Bull. Jard. bot. Buitenz., Sér. III, 16: 398. 1940; *Collybia alphitophylla* (Berk. & M.A. Curtis) S. Ito & S. Imai in Trans. Sapporo Nat. Hist. Coc. 16: 15. 1939. (N. Pac. Exp. n. 13). Bonin Islands. [synonym of *Oudemansiella canarii*]

[N.B. according to Murrill *Mucidula* Pat. is a synonym of *Chamaemyces*; easily recognized by the immense globose spores (16 µm in diam.).]

[synonyms are *A. (Amanita) cubensis* Berk. & M.A. Curtis; *A. (Mycena) leucoconis* Berk. & M.A. Curtis]

[not in *Agaricaceae*]

Lepiota altissima Masee in Kew Bull. 1898: 114. 1898. India.

Lepiota amanitifformis Murrill in N. Amer. Fl. 10 (1): 55. 1914. U.S.A.

[type study Smith, 1966]

Lepiota amanitoides Beeli in Bull. Soc. roy. bot. Belg. 64: 217. 1932; *Amanita amanitoides* (Beeli) Bas in Persoonia 5: 460. 1969. Holotype M. Goossens 805; A 2342, BR. Congo.

[in *Amanitaceae*]

Leucoagaricus amanitoides R.M. Davis & Vellinga in Vellinga & R.M. Davis in Mycotaxon 98: 198. 2007. U.S.A., California, Davis. Mycobank 510369

Lepiota amara Beeli in Fl. iconogr. Champ. Congo 2: 42. 1936; *Hiatulopsis amara* (Beeli) Singer & Grinling in Persoonia 4: 364. 1967.

Cystolepiota amazonica Singer in Fieldiana, Bot., n.S. 21: 99. 1989.

Janauaria amazonica Singer, Agar. mod. Taxon. Ed. 4: 495. 1986. Type coll. Lago Januari, Amazonas, Brasiliae, 18-III-1983, Singer B 12442 (F).

Leucoagaricus amazonicus A. Ortiz & A.E. Franco-Mol. in Ortiz, Franco-Molano & Bacci in Mycotaxon 106: 373. 2008. Colombia.

Gigasperma americanum Kropp & L.J. Hutchison in Mycologia 88: 662. 1996. {SEC} [based on LSU sequences belonging to *Agaricaceae*, pers. comm. Kropp, 2005]

Leucoagaricus americanus (Peck) Vellinga in Mycotaxon 76: 433. 2000; *Leucocoprinus americanus* (Peck) Redhead in Groves, Edible and poisonous mushrooms of Canada; Pubes Dep. Agric. Can. 1112, Ed. 2: 323. 1979; *Agaricus americanus* Peck in Rep. N.Y. St. Mus. nat. Hist. 23: 71. (‘1870’) 1872; *Lepiota americana* (Peck) Sacc., Syll. Fung. 5: 43. 1887. U.S.A., New York. – *Leucoagaricus bresadolae*

[see under *Leucoagaricus bresadolae* for synonyms and nomenclature]

[type study Vellinga, 2000]

- Cystoderma amianthinum* (Scop. : Fr.) Fayod in Ann. Sci. nat. Bot. VII, 9: 351. 1889; *Agaricus amianthinus* Scop., Fl. carn. 2: 434. 1772; *Agaricus granulosis* * *amianthinus* (Scop.) Fr., Epicrisis. 1838; *Lepiota granulosa* var. *amianthina* (Scop. : Fr.) P. Kumm. Führ. Pilzk.: 136. 1871; *Lepiota amianthina* (Scop. : Fr.) Wünsche, Die Pilze: 205. 1877.
[not in *Agaricaceae*]
- Agaricus amicosus* Kerrigan in Mycotaxon 34: 120. 1989. U.S.A., Colorado. {*Agaricus*}
- Leucoagaricus marriagei* var. *ammovirescens* Bon in Doc. mycol. 22 (88): 31. 1993. Holotypus no. 83329, herb. Bon
[synonym of *Leucoagaricus marriagei* and *Lepiota roseolivida*]
- Lepiota amplifolia* Murrill in Mycologia 4: 233. 1912. U.S.A., Oregon. Type W.A. Murrill 738; collected on the ground in a dense fir forest at Glen Brook, Oregon, November 7, 1911.
[type study Smith, 1966.]
- Macrolepiota ampliospora* P. Sossin in Not. Syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R. 13: 219. 1960. Ukraine SSR.
[author as P. Sossin in the printed edition of Index of Fungi, as Sosin in the on-line version].
- Lepiota amyloidea* Singer in Ann. mycol. 41: 171. 1943. Altai.
- Lepiota amylospora* Malençon in Malençon & Bertault, Fl. Champ. sup. Maroc 1: 152. 1970; *Leucoagaricus amylosporus* (Malençon) Bon in Doc. mycol. 11 (43): 52. 1981; *Sericeomyces amylosporus* (Malençon) Heinem. in Bull. Jard. bot. nat. Bel. 48: 403. 1978.
- Lepiota ananya* T.K.A. Kumar & Manim. in Mycotaxon 107: 125. 2009. India, Kerala State.
[probably belonging to the *Leucoagaricus/Leucocoprinus* clade]
- Lepiota anax* (Berk.) Sacc., Syll. Fung. 5: 28. 1887; *Agaricus anax* Berk. in Hook. J. Bot. 4: 98. 1852 (Decades of Fungi no. 362.) India. Nunklow. Khassya, July, 1850.
- Lepiota anceps* Pat. in Bull. trimest. Soc. mycol. Fr. 33: 60. 1917. Vietnam.
[type study Z.L. Yang, 2000; possibly synonym of *Micropsalliota erythrospila* (Berk. & Broome) Pegler] {*Agaricus*}
- Lepiota anceps* Rick in Lilloa 1: 336. 1937, non *Lepiota anceps* Pat., 1917. Brazil.
- Lepiota andegavensis* Mornand in Doc. mycol. 12 (48): 41. ('1982') 1983.
- Lepiota procera* var. *angustata* Naveau in Natuurwet. Tijdschr. 5: 76. 1923. Holotypus R. Naveau 9-IX-1920 (BR-127718,66). Type locality: Belgium, prov. Antwerpen, Schoten, road from Neerhoef to Withof, IFBL ± C4.17.44.
- Agaricus angustifolius* Murrill in Mycologia 10: 74-75. 1918. Jamaica. {*Agaricus*}
- Lepiota angustispora* (Migl. & Bizzi) Hauskn. & Pidlich-Aigner in Österr. Z. Pilzk. 14: 42. 2005; *Lepiota alba* var. *angustispora* Migl. & Bizzi in Micol. ital. 23 (3): 29. 1994. Holotypus herb. Bizzi 137/92.
- Agaricus annulospecialis* Bohus, Vasas & Locsmándi in Annls hist.-nat. Mus. natn. hung. 91: 37. 1999. Holotype BP 91968. Hungary. {*Agaricus*}
- Lepiota anomala* Murrill in Lloydia 9: 317. 1946. U.S.A., Florida.
[type study Akers & Sundberg 1998]
- Lepiota anthomyces* (Berk. & Broome) Sacc., Syll. Fung. 5: 61. 1887; *Agaricus anthomyces* Berk. & Broome in J. linn. Soc., Bot. 11: 505. 1871. Sri Lanka. Holotypus Thwaites 888 (K).
[type study Pegler, 1972]
- Lepiota anupama* T.K.A. Kumar & Manim. in Mycotaxon 107: 123. 2009. India, Kerala State.
[probably belonging to the *Leucoagaricus/Leucocoprinus* clade]

- Lepiota apalochroa* (Berk. & Broome) Sacc., Syll. Fung. 5: 55. 1887 (as *Lepiota hapalochroa*); *Agaricus apalochrous* Berk. & Broome in J. linn. Soc., Bot. 11: 503. 1871. Holotypus Thwaites 1213 (K). – *Agaricus tythus* Berk. & Broome in J. linn. Soc., Bot. 11: 556. 1871; *Psathyra tytha* (Berk. & Broome) Sacc., Syll. Fung. 5: 1062. 1887. [type study Pegler, 1972]
- Lepiota apatelia* Vellinga & Huijser in Belg. J. Bot. 131: 196. 1999. The Netherlands. Type in L. *Lepiota apicipigmentata* A.B. Pereira in Iheringia, Bot. 51: 229. 1998 (as *Lepiota apicepigmentata*). Brazil.
- Lepiota inclinata* var. *appendiculata* Rick in Lilloa 1: 335. 1937. Brazil.
- Hymenagaricus ardosiaecolor* (Heinem.) Heinem. in Bulletin du Jardin Botanique National de Belgique 55(3-4): 493. 1985; *Agaricus ardosiaecolor* Heinem. in Bull. Jard. bot. Brux. 26: 118. 1956. Belgian Congo. {Agaricus}
- Micropsalliota arginophaea* Heinem. in Bull. Jard. bot. nat. Belg. 50: 51. 1980. {Agaricus}
- Lepiota araucariicola* A.B. Pereira in Iheringia, Bot. 51: 231. 1998. Brazil.
- Lepiota arenicola* Ménier in Bull. Soc. mycol. Fr. 5: 174. 1890, non *Lepiota arenicola* Peck, 1888; *Lepiota menieri* Sacc., Syll. Fung. 9: 4. 1891, non *Lepiota menieri* Quél., 1896; *Leucoagaricus arenicola* (Ménier) Bon in Bull. trimest. Soc. mycol. Fr. 86: 97. 1970 (not valid); *Leucoagaricus arenicola* (Ménier) Bon & Boiffard in Bull. trimest. Soc. mycol. Fr. 88: 21. 1972 (not valid).
- Lepiota arenicola* Peck in Ann. Rep. St. Bot. 41: 59. 1888. Karner, Albany County. August. U.S.A., New York.
[Peck, 1888: “Pileus at first broadly conical, then convex or nearly plane, obscurely punctate with minute granular squamules, whitish or cinereous, substriate and crenulate on the margin; lamellae broad, subventricose, distant, free, white; stem slender, equal, stuffed, glabrous, whitish, the annulus imperfect, obsolete or quickly evanescent; spores oblong or subfusiform, acute at one end, .0005 to .0006 in. long, .0002 to .00024 broad. Pileus 3 to 6 lines broad; stem 8 to 12 lines long, about 5 lines thick.”]
- Lepiota areolata* Wichanský in C.C.H. (Mykol. Sborn.) 43: 69. 1966. Typus leg. J. Fryzek, 1-XI-1965 (PR). Czechoslovakia.
[with spurred spores]
- Notholepiota areolata* (Cunn.) E. Horak in N.Z. J. Bot. 9: 479. 1971; *Secotium areolatum* Cunningham in N.Z. J. Sci. Technol. B, 23: 172B. 1943. Type coll. PDD 4595 "on ground; Swanson, Auckland, NZ, leg. J.M. Dingley, IV-1943". New Zealand. {SEC} [in *Boletales*; see Vellinga, 2004]
- Lepiota argentina* Raithelh. in Metrodiana 16: 13. 1988. ad interim. Typus 30539 (Singer T 1504) in BAFC. Argentina.
- Micropsalliota arginea* (Berk. & Broome) Pegler & R.W. Rayner in Kew Bull. 23: 367. 1969; *Agaricus argineus* Berk. & Broome in J. linn. Soc., Bot. 11: 551. 1871; *Stropharia arginea* (Berk. & Broome) Sacc., Syll. Fung. 5: 1026. 1887; *Psalliota arginea* (Berk. & Broome) von Hoehn. in Akad. Wiss. Wien. math. naturw. Klasse 118: 12. 1909. Sri Lanka. – *Agaricus microcosmus* Berk. & Broome in J. linn. Soc., Bot. 11: 551. 1871; *Stropharia microcosmus* (Berk. & Broome) Sacc., Syll. Fung. 5: 1026. 1887; *Psalliota microcosmus* (Berk. & Broome) von Hoehn. in Akad. Wiss. Wien. math. naturw. Klasse 118: 11. 1909. Sri Lanka. {Agaricus}
- Lepiota arida* (Fr.) Gillet, Hyménomycètes: 63. 1874; *Agaricus (Amanita) arida* Fr., Epicrisis: 10. 1838; *Amanita arida* (Fr.) Bertillon in Dechambre, Dict. Encycl. Sci. médic. 1(3): 503. 1866; *Limacella arida* (Fr.) E.J. Gilbert, Genre Amanita Pers.: 165. 1918.

- [N.B. Gilbert treated *Limacella* as a subgenus of *Amanita*
 [this is a *Limacella* species; see Singer, 1986: 454; in *Amanitaceae*]
- Agaricus aridicola* Geml, Geiser & Royse in Mycol. Progress 3: 172. 2004, nom. nov. for
Gyrophragmium dunalii (Fr.) Zeller, non *Agaricus dunalii* DC. {SEC} {Agaricus}
- Agaricus aristrocatus* Gulden in Gulden & Torkelsen in Norsk Polarinstituttt Skrifter 198: 179.
 1996; nom. nov. for *Agaricus arcticus* Gulden, 1988, non *Agaricus arcticus* Sommerf.,
 1826. {Agaricus}
- Endoptychum arizonicum* (Shear & Griffiths) Singer & A.H. Sm. in Brittonia 10: 220. 1958;
Secotium arizonicum Shear & Griffiths in Bull. Torrey Club 29: 450. 1902. {SEC}
 [position in *Agaricaceae* not determined yet]
- Lepiota armillarioides* Dennis in Kew Bull. 7: 486. 1952. Trinidad.
 [synonym of *Ripartitella brasiliensis* (Speg.) Singer, fide Pegler, 1983; not in
Agaricaceae]
- Lepiota clypeolarioides* var. *armillata* Bon, Migl. & Cherubini in Doc. mycol. 19 (76): 70. 1989;
Lepiota lepida var. *armillata* (Bon et al.) Migl. & Bizzi in Doc. mycol. 24 (95): 48. 1994.
 Holotype in Herb. V. Migliozi, no. 114-88.
- Agaricus arorae* Kerrigan in Mycotaxon 22: 427. 1985. U.S.A., California. {Agaricus}
- Lepiota aspera* (Pers. : Fr.) Quél., Enchir. Fung.: 6. 1886; *Agaricus asper* Pers. in Hoffm., Abb.
 Schwämme 3: pl. 21. 1793; *Amanita aspera* (Pers.) Pers., Obs. mycol. 2: 38. 1799;
Amanita aspera (Pers.) Pers. : Fr., Syst. mycol. 1: 18. 1821; *Cystolepiota aspera* (Pers. :
 Fr.) Knudsen in Bot. Tidsskr. 73: 129. 1978; *Echinoderma asperum* (Pers. : Fr.) Bon in
 Doc. mycol. 21 (82): 62. 1991. – *Agaricus acutesquamosus* Weinm., Syll. Pl. nov. Ratisb.
 1: 70. 1822; *Lepiota acutesquamosa* (Weinm.) P. Kumm., Führ. Pilzk.: 136. 1871;
Cystolepiota acutesquamosa (Weinm.) Bon in Doc. mycol. 7 (27-28): 11. 1977 (not
 valid, wrong basionym); *Echinoderma acutesquamosum* (Weinm.) Bon in Doc. mycol.
 22 (88): 28. 1993; *Lepiota friesii* var. *acutesquamosa* (Weinm.) Quél. in Mém. Soc.
 Émul. Montbéliard, Sér. V, 2: 72. 1872 (Champ. Jura Vosges 1); *Lepiota aspera* var.
acutesquamosa (Weinm.) Singer in Persoonia 2: 9. 1961. – *Agaricus friesii* Lasch in
 Linnaea 3: 155. 1828; *Lepiota friesii* (Lasch) Quél. in Mém. Soc. Émul. Montbéliard, Sér.
 V, 2: 72. 1872 (Champ. Jura Vosges 1); *Cystolepiota friesii* (Lasch) Bon in Doc. mycol. 7
 (27-28): 12. 1977; *Echinoderma friesii* (Lasch) Bon in Doc. mycol. 22 (88): 28. 1993. –
Lepiota acutesquamosa var. *furcata* Kühner in Bull. trimest. Soc. mycol. France 52: 210.
 1936. – *Lepiota acutesquamosa* f. *gigantea* Pilát in Acta Mus. nat. Prag. 11B (2): 3.
 1955; *Echinoderma acutesquamosum* f. *giganteum* (Pilát) Bon in Doc. mycol. 22 (88):
 28. 1993.
- Lepiota aspericeps* Murrill in Mycologia 43: 236. 1951. U.S.A., Florida.
 [type study Akers & Sundberg, 2000]
- Lepiota asperiformis* Murrill in Lloydia 6: 220. 1943. U.S.A., Florida.
- Lepiota asperula* G.F. Atk., Mushrooms: 82. 1903; *Lepiota echinella* var. *asperula* (G.F. Atk.)
 J.E. Lange, Fl. agar. dan. 1: 27. 1935; *Echinoderma asperulum* (G.F. Atk.) Bon in Doc.
 mycol. 21 (82): 62. 1991. U.S.A.
 [N.B. Index of Fungi gives as date for *Lepiota asperula* G.F. Atk. 1900, and also has
Lepiota asperula Peck, 1900]
- Cyptotrama asprata* (Berk.) Redhead & Ginns in Can. J. Bot. 58: 731. 1980; *Agaricus aspratus*
 Berk. in Hooker, Lond. J. Bot. 6: 481. 1847 (Decades of Fungi no. 143); *Lepiota asprata*
 (Berk.) Sacc., Syll. Fung. 5: 48. 1887; *Xerula asprata* (Berk.) Aberdeen in Kew Bull. 16:
 129. 1962; *Xerulina asprata* (Berk.) Pegler in Kew Bull. 27: 197. 1972. Holotypus
 Gardner 50, Hautane Range, Ceylon, June, 1844 (K). – *Agaricus echinodermatus* Cooke

- & Masee in Cooke in Grevillea 16: 30. 1887; *Lepiota echinodermata* (Cooke & Masee) Sacc., Syll. Fung. 9: 8. 1891 (as *Lepiota echinoderma*). – *Lepiota aurantiogemmata* Charles & Burl. in Charles in Mycologia 34: 324. 1942.
[type study Pegler, 1972; not in *Agaricaceae*]
- Lepiota aspratella* Murrill in Mycologia 3: 84. 1911. Jamaica.
[type study Smith, 1966]
- Lepiota atra* Beeli in Bull. Soc. roy. bot. Bel. 64: 216. 1932. Congo.
- Lepiota atrata* E. Horak in Sydowia 33: 140. ('1980') 1981. New Caledonia.
- Lepiota atricapilla* (Cooke & Masee →) Sacc., Syll. Fung. 9: 10. 1891; *Agaricus* (*Lepiota*) *atricapillus* Cooke & Masee in Cooke in Grevillea 16: 105. ('1887') 1888, non *Agaricus atricapillus* Batsch, 1786 (= *Pluteus cervinus*). on the ground, Natal, Wood 828. S. Africa. Type in K.
- Leucoagaricus atroalbus* P. Mohr & Dähncke in Feddes Repertorium 115: 24. 2004. Holotype in B. La Palma, Canary Islands.
- Leucoagaricus atroazureus* J.F. Liang, Zhu L. Yang & J. Xu in Mycologia 102: 1144. 2010. China. [doi:10.3852/09-021] Mycobank MB515456
- Macrolepiota mastoidea* var. *atrobrunnea* Dermek in Fung. rar. Ic. col. 14: 11. 1985. Czechoslovakia.
- Lepiota atrocoerulea* Rick in Broteria, Bot. 18: 50. 1920 (as *Lepiota atrocaerulea*). Brazil.
- Lepiota atrocrocea* (Masee) W.G. Sm. in Trans. Br. mycol. Soc. 2: 62. 1903; *Agaricus atrocroceus* Masee in W.G. Sm. in J. Bot., London 41: 385. 1903 (as *Agaricus atrocroceus* W.G. Sm. with reference to Masee, Eur. Fung. Fl.: 11. 1902.) UK.
- Lepiota atrodisca* Zeller in Mycologia 30: 473. 1938. U.S.A., Oregon. Type G.S. Burlingham & S.M. Zeller 8997, Alesia Valley, Nov. 3, 1934.
[type study Smith, 1966]
[Zeller 1938: "Pileus 2-5.5 cm. broad, hemispheric, subconic to plano-expanded, umbonate, umbo squamulose, "mouse gray" in young specimens, becoming finally "sooty black", surface breaking into small fibrillose scales, concolorous with the umbo, giving a general smoke gray color because of the almost white surface between; margin sometimes almost striate, cuticle slightly splitting and receding at margin; flesh white, unchanging, thin; taste pleasant, odor none; gills free ventricose, 3-5 mm. broad, edges slightly serrate; stem slender, 3-5 mm. x 5-12 cm., equal to somewhat smaller above, smooth, white, finally sordid where touched, inside white, hollow stuffed with fibrils; annulus membranous, white above, brownish below with a blackish margin, superior, persistent; spores white in mass, ellipsoid-ovoid, smooth, 7 x 4 μ; cystidia on edge of gills clavate, not particularly characteristic."]
- Leucoagaricus atrofibrillosus* Singer in Beih. Nova Hedwigia 29: 162. 1969. Argentina.
- Lepiota plumbicolor* var. *atropunctata* Rick in Lilloa 1: 334. 1937. Brazil.
- Micropsalliota atropurpurea* Heinem. in Bull. Jard. bot. nat. Belg. 58: 542. 1988. {*Agaricus*}
- Lepiota atrorupta* Rick in Lilloa 1: 336. 1937. Brazil.
- Lepiota atosquamulosa* Hongo in J. Jap. Bot. 34: 239. 1959. Japan.
- Lepiota atrovinosa* S. Imai in Bot. Mag., Tokyo 55: 444. 1941 (as *L. atro-vinosa*). Japan.
[Imai, 1941: "Gregaria, vel subcaespitosa. Pileo 8-15 mm. lato, sicco, floccoso-squamulosis benzo-brown-coloratis dense tecto, centro junioreque obscuriori; margine astriato floccoso subvelati; carne cinerea, tenui; lamellis sinuatis, subdistantibus, subcrassis, griseo-albidis; stipite 3-6 cm. longo, 2.5-6 mm. crasso, subattenuato, apice albido flocculoso, inferne flavidulo squamulis punctiformibus, yellow-ocher-coloratis exasperato, fistuloso; annulo superiori, mox evanido; sporis in cumulo albis, oblongis,

- levibus, utrimque obtusis, 8-10 x 5-6 μ . Hab. ad terram in silvis coniferis. Honshu: Kai, Oshino-mura (Oct. 6, 1940, S. Imai)”
- Lepiota aucta* (Berk. & M.A. Curtis) Sacc., Syll. Fung. 5: 60. 1887; *Agaricus (Lepiota) auctus* Berk. & M.A. Curtis in Proc. Amer. Acad. Arts Sci. 4: 111. 1858 (N. Pac. Expl. n. 1.) Hong Kong.
- Lepiota cortinarius* var. *audreae* D.A. Reid in Nova Hedwigia 15, Suppl. (Fung. rar. Ic. col. 3): 8. 1968; *Lepiota audreae* (D.A. Reid) Bon in Doc. mycol. 11 (43): 35. 1981. UK.
- Agaricus (Lepiota) augustanus* Britzelm. in Ber. naturhist. Ver. Augsburg 27: 185. 1883; *Lepiota augustana* (Britzelm.) Sacc., Syll. Fungorum 5: 40. 1887. Germany.
- Lepiota aulacergates* (Berk. & Broome) Sacc., Syll. Fung. 5: 65. 1887; *Agaricus aulacergates* Berk. & Broome in J. linn. Soc., Bot. 11: 513. 1871. Sri Lanka. Holotypus Thwaites 720 (K).
[type study Pegler, 1972]
[synonym of *Pluteus grandineus* (Berk. & Broome) Sacc., 1887; in *Pluteaceae*]
- Cystolepiota aurantiaca* Singer in Beih. Sydowia 7: 65. 1973. Chile.
- Lepiota aurantiaca* Henn. in Warburg in Monsunia 1: 21. 1899. Java, Indonesia.
- Lepiota aurantiaca* Velen. in Ann. Soc. linn. Lyon 71: 46. 1924, non *Lepiota aurantiaca* Henn., 1899.
- Lepiota aurantiaca* Beeli in Bull. Soc. roy. bot. Belg. 64: 213. 1932, non *Lepiota aurantiaca* Henn., 1899, non *Lepiota aurantiaca* Velen., 1924.
- Leucoagaricus aurantiacus* Heinem. in Bull. Jard. bot. nat. Belg. 43: 12. 1973, nom. nov. for *Lepiota aurantiaca* Beeli in Bull. Soc. roy. bot. Belg. 64: 213. 1932, non *Lepiota aurantiaca* Henn., 1899, non *Lepiota aurantiaca* Velen., 1924. Congo.
- Lepiota aurantioflava* Hongo in J. Jap. Bot. 33: 42. 1958. Japan.
- Lepiota lutea* var. *aurantiofloccosa* A.H. Sm. & P.M. Rea in Mycologia 36: 134. 1944. U.S.A.
- Lepiota aurantiogemmata* Charles & Burl. in Mycologia 34: 324. 1942. U.S.A., Florida.
[synonym of *Cyptotrama asprata*, not in *Agaricaceae*]
- Leucoagaricus aurantiovergens* A. Gennari & Migl. in Riv. Miccol. 41: 291. ('1998') 1999. Italy, herb. MCVE n. 74.
- Agaricus aurantioviolaceus* (R. Heim) Walley & Rammeloo, 1994; *Psalliotia aurantioviolacea* R. Heim in Rev. Mycol. 33: 214. 1968. Central African Republic. {*Agaricus*}
- Phaeolepiota aurea* (Matt. : Fr.) Konrad & Maubl., Icones sel. Fung. 6, texte général 6: 111. 1928; *Lepiota aurea* (Matt. : Fr.) Gray, Nat. Arr. Br. Plants 1: 603. 1821; *Agaricus aureus* Matt., Enumeratio stirpium in Silesia sponte crescentina: 331. 1779; *Agaricus aureus* Matt. : Fr., Syst. mycol. 1: 241. 1821; *Pholiota aurea* (Matt. : Fr.) P. Kumm., Führ. Pilzk. 1: 85. 1871.
[not in *Agaricaceae*]
[according to Index Fungorum Mattilow published *Agaricus aureus* in Résult. Voy. belgica, Lich.: 331. 1777]
[Mattuschka (Matt. in abbreviation) cites *Agaricus aureus* Schaeffer, Fung. Ratisb. nasc.4: 19. 1774 (pl. 41 in vol. 1): “*Agaricus caulescens, solitarius, carnosus; pileo convexo, saepe deformi, granulato, aurantio; lamellis citrinis; petiolo tereti, flavo, basi tuberoso; velo & annulo destitutus.*” – the plate however depicts a non-annulate rather sturdy species with a relatively short stipe, which clearly is a *Tricholoma*]
- Lepiota aurea* Masee in Kew Bull. 1912: 189. 1912, non *Lepiota aurea* (Matt. : Fr.) Gray, 1821; *Agaricus aureus* (Masee) F.M. Bailey, Comprehensive catalogue of Queensland Plants: 715. 1913, non *Agaricus aureus* Matt., 1777, nec *Agaricus aureus* Schaeff., 1774, nec *Agaricus aureus* Sowerby, nec *Agaricus aureus* Battarra, 1755, nec *Agaricus aureus*

- Batsch, 1783, nec *Agaricus aureus* Bull., 1782. Australia, Queensland.
 [“Queensland. On manured ground. *C.T. White*. The specimen was sent by Mr. F.M. Bailey, accompanied by a coloured figure.”]
 [synonym of *Leucocoprinus birnbaumii*, but spore sizes are wrong for that species]
 [Massee, 1912: “*Pileus carnosulus, e convexo-campanulato explanato-depressus, interdum subumbonatus, aureus, dein decoloratus et in squamulas fuscidulas eleganter excoriatus, siccus, circa 2 cm. latus. Lamellae liberae, postice angustatae, ex albo luteolae. Stipes subaequalis, fistulosus, fibrillosus, pileo concolor, 4-5 cm. longus, 2 mm. crassus, annulus tomentosus, mox evanidus. Sporae ellipsoideae, hyalinae, 7 x 4µ.*”]
- Lepiota aurea* Beeli in Bull. Soc. roy. bot. Belg. 59: 105. 1927, non *Lepiota aurea* Massee, 1912; *Amanita aureofloccosa* Bas in Persoonia 5: 384. 1969, non *Amanita aurea* (Beeli) E.J. Gilb., 1947 based on *Amanitopsis aurea* Beeli, 1931. Congo.
 [in *Amanitaceae*]
- Lepiota aureoconsersa* Rick in Iheringia, Bot. 8: 310. 1961. Brazil. Fungi rickiana 20997, S. Salvador 1944.
- Hiatulopsis aureoflava* Singer in Fieldiana, Bot., n.S. 21: 98. 1989. Brazil.
- Lepiota aureofloccosa* Henn. in Verh. bot. Ver. Prov. Brandenb. 31: 150. 1890; *Hiatula aureofloccosa* (Henn.) Singer in Annls mycol. 41: 168. 1943; *Leucocoprinus aureofloccosus* (Henn.) M.M. Moser in Gams, Kl. Kryptog.Fl. 2: 116. 1953; *Leucocoprinus aureofloccosus* (Henn.) Bon in Doc. mycol. 11 (43): 68. 1981 (wrong basionym given); *Leucocoprinus aureofloccosus* (Henn.) Raithelh. in Metrodiana 15 (1): 10. 1987 (superfluous comb.); *Leucocoprinus denudatus* var. *aureofloccosus* (Henn.) Raithelh., Nueva Flora micológico Argentina: 524. 2004 (nom. inval., Art. 33.4).
 [according to Raithelhuber (1987) “nicht identisch *Lepiota aureofloccosa* Bas”]
- Cystolepiota aureola* Raithelh. in Metrodiana 11 (2): 51. 1985; *Cystoderma aureolum* (Raithelh.) Raithelh. in Fl. mycol. Arg. Hongos 1: 290. 1987. Typus Hortus Botanicus de Buenos Aires nr. 7-85 in herb. Raithelhuber conserv. Argentina.
 [“Fungus fragilis. Pileus aurantiacus vel aureus, rimosus, interdum fere subviscidus, ceterum pruinoso-micans, 20-30 mm diametro. Odore suave (fructibus), sapore miti. Lamellae albella, sinuatae fere liberae, subconfertae. Stipes albidus sublevis, annulatus, 20-22/2-3 mm, subbulbosus. Sporae hyalinae, subpseudoamyloideae, limoniformis, 7-8.7/4.2-5 µm. Inter gramina vel terrestres. Aestate.”]
 [not in *Agaricaceae*?]
- Lepiota aureoviolacea* Henn. in Engler bot. Jahrb. (Bot. Jahrb. Syst.) 22: 107. 1895. Cameroon.
- Lepiota squarrosa* β *aurivella* (Batsch) Gray, Nat. Arr. Br. Plants 1: 602. 1821.
 [*Pholiota aurivella* in *Strophariaceae*]
- Lepiota aurora* Murrill in Q. Jl Fla Acad. Sci. 8: 178. 1945. U.S.A., Florida. Type W.A. Murrill F 22475, 12 Aug. 1944, in soil under shining privet in Gainesville, FL, FLAS.
- Lepiota aurora* E. Horak in Sydowia 33: 127. (‘1980’) 1981, non *Lepiota aurora* Murrill, 1945. Papua New Guinea.
- Lepiota australiana* Fr. in Lehmann, Pl. Preiss. 2: 131. 1846. Australia.
- Lepiota australis* (Mont.) Sacc., Syll. Fung. 5: 68. 1887; *Agaricus (Lepiota) australis* Mont., Cent. Pl. cell. 6: n. 6. 1848; Syll. Crypt. n. 324. 1860. Tahiti.
- Lepiota australis* (A.H. Sm. & Singer) Murrill in Lloydia 12: 61. 1949, non *Lepiota australis* (Mont.) Sacc., 1887; *Cystoderma australe* A.H. Sm. & Singer in Papers Mich. Acad. Sci. Letters 30: 97. (‘1944’) 1945.
 [not in *Agaricaceae*]

- Lepiota australis* Z.S. Bi in Bi, Li & Zheng in Acta mycol. sinica Suppl. 1: 290. ('1986') 1987, non *Lepiota australis* (Mont.) Sacc., 1887; *Lepiota shixingensis* Z.S. Bi & T.H. Li in Bi, Zheng, Li & Wang, Macrofungus flora of the mountainous district of North Guangdong: 240. 1990. Holotype Institute of microbiology Guangdong HMIGD 7971.
- Cystolepiota australis* Singer in Beih. Nova Hedwigia 29: 167. 1969. Argentina.
- Leucocoprinus austrofragilis* Aberdeen, Lepiotoid genera (Agaricales) in south-eastern Queensland: 11. 1992. Queensland. Holotype BRIP 9100.
- Agaricus austrovinaceus* Grgur. & T.W. May in Grgurinovic, Larger Fungi of South Australia: 518. 1977; nom. nov. for *Psalliota vinacea* Cleland, 1933, non *Agaricus vinaceus* Scop., 1772. {Agaricus}
- Micropsalliota avellanea* Heinem. & Little Flower in Bull. Jard. bot. nat. Belg. 53: 77. 1983. {Agaricus}
- Lepiota avellanea* Clem. in Univ. Nebraska bot. Survey 2: 41. 1893; *Volvaria avellanea* (Clem.) Kauffman in Papers Mich. Acad. Sci., Arts, Letters 4: 335. 1924. U.S.A., Nebraska. ["Pileus fleshy, dry, plane, drab-colored, cuticle lacerate toward the margin, forming appressed brown scales; stipe somewhat hollow, bulbous, brownish-fibrillose; annulus small, fleshy, concolorous, fixed, inferior; lamellae remote, attached to an indistinct collar, cream-colored, becoming reddish with age; spores irregularly ovate, acute at one end, 8-10 x 5-6 μ . Pileus 5 cm. wide, stipe 4 cm. long by 8 mm. wide. On ground in greenhouse, Lincoln."]
[in *Pluteaceae*]
- Sericeomyces medioflavoides* var. *axanthus* Ballero & Contu in Candollea 47: 369. 1992. Italy, Sardegna, Holotype CAG 90/202.
- Lepiota azalearum* (Murrill) Dennis in Kew Bull. 7: 474. 1952; *Cortinellus azalearum* Murrill in Lloydia 5: 137. 1942; *Tricholoma azalearum* (Murrill) Murrill in Lloydia 5: 156. 1942. U.S.A., Florida.
- Agaricus azoetes* K.R. Peterson, Desjardin & Hemmes in Sydowia 52: 214. 2000. U.S.A., Hawaii. {Agaricus}
- Lepiota azurea* Singer in Singer & Digilio in Lilloa 25: 278. ('1951') 1952. Argentina.

- Leucoagaricus babosiae* Bon in Doc. mycol. 22 (88): 31. 1993. Holotypus no. 43870 in herb. Babos (Budapest).
 [based on *Lepiota jubilaei* sensu Babos in Sydowia Beih. 8: 40. 1979.]
- Lepiota babruka* T.K.A. Kumar & Manim. in Mycotaxon 107: 110. 2009. India, Kerala State.
- Lepiota babruzalka* T.K.A. Kumar & Manim. in Mycotaxon 107: 128. 2009. India, Kerala State.
 [probably belonging to the *Leucoagaricus/Leucocoprinus* clade]
- Leucoagaricus badhamii* (Berk. & Broome) Singer in Lilloa 22: 419. ('1949') 1951; *Agaricus badhamii* Berk. & Broome in Ann. Mag. nat. Hist., Ser. II, 13: 397. 1854 (Notices on British Fungi 664); *Lepiota badhamii* (Berk. & Broome) Quél. in Mém. Soc. Émul. Montbéliard, Sér. II, 5: 231. 1872 (Champ. Jura Vosges 1); *Lepiotophyllum badhamii* (Berk. & Broome) Locq. in Bull. mens. Soc. linn. Lyon 11: 40. 1942 (nom. inval.); *Leucocoprinus badhamii* (Berk. & Broome) Locq. in Bull. mens. Soc. linn. Lyon 12: 15. 1943; *Leucocoprinus badhamii* (Berk. & Broome) Wasser in Nov. Sist. Vyssh. nic. Rast. 1977: 217. ('1977') 1978 (superfluous); *Leucoagaricus badhamii* (Berk. & Broome) Herink in Mykol. Listy C21: 11. ('1985') 1986 (superfluous). UK.
- Lepiota badiopurpurea* Papetti in Rivista di Micologia 48: 309-310. 2005. Italy.
 [in section *Echinatae*]
- Leucocoprinus bakeri* (Dennis) Singer in Singer & Gómez in Brenesia 19/20: 42. 1982; *Lepiota bakeri* Dennis in Kew Bull. 7: 483. 1952. Trinidad.
- Leucocoprinus bakeri* (Dennis) Singer in Fieldiana, Bot., n.S. 21: 98. 1989.
 [synonym *Lepiota berkeri*]
- Microsalliota bambusicola* (Heinem.) Heinem. in Bull. Jard. bot. nat. Belg. 58(3-4): 542. 1988; *Agaricus bambusicola* Heinem. in Bull. Jard. bot. Brux. 26: 104. 1956. Congo (non *Agaricus bambusophilus* Heinem., 1961). {Agaricus}
- Agaricus bambusigenus* Berk. & M.A. Curtis in J. Linn. Soc., Bot. 10: 291. 1868. Cuba.
 {Agaricus}
 [type study Pegler, 1987a]
- Agaricus bambusophilus* Heinem. in Kew Bull. 15: 244. 1961. {Agaricus}
- Lepiota baraliana* Raithelh. in Metrodiana 13: 33. ('1984') 1986. Germany.
- Lepiota pallida* var. *barbularum* Trimbach in Bull. semestriel de la Fédération des Associations mycologiques méditerranéennes 18: 113. 2000.
- Macrolepiota excoriata* f. *bariae* Babos in Annales hist.-nat. Mus. natn. hung. 66: 72. 1974.
- Lepiota barlae* Quél. in C. r. Ass. fr. Avanc. Sc. 26: 1. ('1897') 1898 (Champ. Jura Vosges Suppl. 21).
 [based on *Lepiota cristata* sensu Barla, Fl. mycol. ill.: pl. 14, figs 1-4. 1889]
- Lepiota barlae* Pat. in Bull. trimest. Soc. mycol. Fr. 21: 117. 1905 (based on *Lepiota helveola* sensu Barla) non *Lepiota barlae* Quél., 1898; *Lepiota barlaeana* Pat. in Congrès des Sociétés savantes: 249. ('1908') 1909; *Lepiota patouillardii* Sacc. & Trotter, Syll. Fung. 21: 17. 1912 (superfluous name change).
- Macrolepiota excoriata* f. *barlae* Babos in Annl. hist.-nat. Mus. natn. hung. 66: 72. 1974. Hungary.
- Lepiota helveola* var. *barlae* Bres., Fungi trident. 2: 4. 1892. Italy.
 [based on *Lepiota mesomorpha* sensu Barla, Fl. mycol. ill. 1888-1892.]
- Lepiota barlaeana* Pat. in Congr. Soc. sav.: 249. ('1908') 1909, nom. nov. for *Lepiota barlae* Pat., non *Lepiota barlae* Quél.
 [synonym of *Lepiota brunneoincarnata*]

- Lepiota barssii* Zeller in Mycologia 26: 211. 1934; *Leucoagaricus barssii* (Zeller) Vellinga in Mycotaxon 76: 431. 2000. In pastures, plowed fields, or gardens. Sept. very common throughout the Willamette Valley, western Oregon. Oregon State Agriculture College, Corvallis, Oregon (now in NYBG).
[type study Smith, 1966; Vellinga, 2000]
[synonyms are *Leucoagaricus pinguipes*, *Leucoagaricus macrorhizus*, and *Leucoagaricus pleurocystidiatus*.]
- Lepiota beckleri* (Berk.). Sacc., Syll. Fung. 5: 56. 1887; *Agaricus beckleri* Berk. in J. linn. Soc., Bot. 13: 156. 1872; Australia.
[Berkeley, 1872: “Pileo subgloboso v. campanulato umbonato spongioso tomentosus versus apicem squamis parvis exasperato; stipite exaltato minutissime verrucoso glabrescente æquali, radice tuberiformi; annulo amplo deflexo; lamellis latis ventricosis postice attenuatis. On burnt soil. Clarence River, *Beckler*. Mycelium white.”]
[synonym of *Macrolepiota dolichaula*]
- Leucocoprinus beelianus* Heinem. in Bull. Jard. bot. nat. Belg. 47: 83. 1977; nom. nov. for *Lepiota citrinella* Beeli, 1932. Congo.
- Lepiota bentista* Morgan in J. Mycol. 13: 14. 1907; *Limacella bentista* (Morgan) Murrill in North American Flora 10 (1): 41. 1914. U.S.A., Wisconsin.
[in *Amanitaceae*]
- Lepiota guttata* var. *berolinensis* Henn. in Verh. bot. Ver. Prov. Brandenb. 31: 151. 1890. Germany.
[probably in *Amanitaceae*]
- Lepiota besseyi* H.V. Sm. & N.S. Weber in N.S. Weber & A.H. Sm., Field guide to southern mushrooms: 165. 1985 (not valid); *Lepiota besseyi* H.V. Sm. & N.S. Weber in Contr. Univ. Mich Herb. 16: 212. 1987. U.S.A.
[synonym of *Lepiota mucrocystis* Pegler]
- Lepiota bettinae* Dörfelt in Z. Mykol. 48: 246. 1982; *Echinoderma bettinae* (Dörfelt) Bon in Doc. mycol. 22 (88): 28. 1993.
[synonym of *Lepiota rubella* Bres.; type study Vellinga et al., 1998]
- Lepiota betulina* Velen., Novitates mycol.: 49. 1939. Czech Republic.
- Chlorophyllum bharatense* A.V. Sathe & S.M. Kulkarni, Maharashtra Association for the Cultivation of Science, Monograph No. 1 Agaricales (Mushrooms) of South West India (Pune): 48. (‘1980’) 1981. Karnataka, India.
- Lepiota bichroma* E. Horak in Sydowia 33: 125. (‘1980’) 1981. Papua New Guinea.
- Lepiota bickhamensis* P.D. Orton in Notes R. bot. Gdn Edinb. 41: 588. 1984. UK.
- Micropsalliota bifida* R.L. Zhao, Desjardin, K. Soyton & K.D. Hyde in Fungal Diversity 45: 51. 2010. Thailand. {*Agaricus*}
- Lepiota bifurcata* A.B. Pereira in Iheringia, Bot. 51: 232. 1998. Brazil.
- Leucoagaricus bingensis* (Beeli) Heinem. in Bull. Jard. bot. nat. Belg. 43: 8. 1973; *Lepiota procera* var. *bingensis* Beeli in Bull. Soc. roy. bot. Belg. 64: 211. 1932. Congo.
- Leucocoprinus biornatus* (Berk. & Broome) Locq. in Bull. mens. Soc. linn. Lyon 14: 92. 1945; *Leucocoprinus badhamii* subsp. *biornatus* (Berk. & Broome) Locq. in Bull. mens. Soc. linn. Lyon 14: 47. 1945; *Leucoagaricus bresadolae* var. *biornatus* (Berk. & Broome) Bon in Doc. mycol. 7 (27-28): 1977; *Agaricus biornatus* Berk. & Broome in J. linn. Soc., Bot. 11: 502. 1871; *Lepiota biornata* (Berk. & Broome) Sacc., Syll. Fung. 5: 54. 1887; *Lepiota badhamii* var. *biornata* (Berk. & Broome) Kühner & Romagn., Fl. anal. Champ. sup.: 404. 1953 (not valid, basionym not mentioned)
[type studies Peger, 1972 & Reid, 1990; according to Pegler (1972 & 1986), synonym of

- Leucogarricus holospilotus*; Pegler (1972) erroneously stated that clamp connections are present and did not notice the germ pore in the spores; Reid (1990) corrected Pegler's observations]
- Leucocoprinus birnbaumii* (Corda) Singer in Sydowia 15: 67 ('1961') 1962; *Agaricus birnbaumii* Corda, Icon. Fung. 3: 48. 1839. – *Agaricus luteus* Bolton, Hist. Fung. Halifax 2: pl. 50. 1788 (non *Agaricus luteus* Huds., 1778; *Agaricus luteus* Huds. : Fr., 1821); *Lepiota lutea* (Bolton →) Godfrin in Bull. Soc. mycol. Fr. 13: 33. 1897; *Leucocoprinus luteus* (Bolton → Godfrin) Locq. in Bull. mens. Soc. linn. Lyon 14: 93. 1945. – *Lepiota aurea* Masee in Kew Bull. 1912: 189. 1912, homonym of *Lepiota aurea* (Mattuschka : Fr.) Gray, 1821. – *Agaricus flos-sulphuris* Schnizlein in Sturm, Deutschlands Flora III, Abt. 31. 32. Heft: 2. 1851; *Lepiota flos-sulphuris* (Schnizl.) Mattir. in Memorie Reale Accademia dei Lincei Ser. V, 12 (11): (566) 34. 1918; *Leucocoprinus flos-sulphuris* (Schnizl.) Cejp in Česká Mykol. 2: 78. 1948; *Lepiota cepistipes* var. *flos-sulphuris* (Schnizlein) Rick in Iheringia, Bot. 8: 314. 1961 (not valid, basionym not cited). – *Lepiota pseudolicmophora* Rea, Brit. Basidiomyc.: 74. 1922. – *Lepiota coprinoides* Beeli, Fl. Icon. Champ. Congo 2: 42. 1936. – *Lepiota flammula* (Alb. & Schwein.) Gillet, Champ. Fr.: 63. 1874; *Agaricus flammula* Alb. & Schwein., Consp. Fung.: 149. 1805.
- Agaricus bisporatus* Contu in Cryptog. Mycol. 14: 307. 1993. Holotype CAG. Italy, Sardinia.
{Agaricus}
- Leucoagaricus bisporus* Heinem. in Bull. Jard. bot. nat. Belg. 43: 8. 1973. Zaire. Congo, Kinshasha, IV. 1954, L. Dubois 1527 (BR).
[synonym of *Chlorophyllum hortense* (Murrill) Vellinga]
- Agaricus bisporus* (J.E. Lange) Imbach in Mitt. naturf. Ges. Luzern 15: 15. 1946; *Psalliota hortensis* f. *bispora* J.E. Lange in Dansk bot. Ark. 4 (12): 8/ 1926; *Psalliota bispora* (J.E. Lange) F.H. Møller & Schaeff. in Anns mycol. 36: 69. 1938. {Agaricus}
- Agaricus bivelatoides* Murrill in Mycologia 4: 297. 1912. U.S.A., Washington. {Agaricus}
- Leucoagaricus bivelatus* B.P. Akers & Ovrebo in Mycotaxon 91: 304. 2005. Panama.
- Agaricus bobosi* Bohus in Anns. hist.-nat. Mus. natn. hung. 81: 37. 1990. Holotype BP 84367. Hungary. {Agaricus}
- Lepiota boertmannii* Knudsen in Bot. Tidsskr. 75: 150. 1980; *Echinoderma boertmannii* (Knudsen) Bon in Doc. mycol. 21 (82): 62. 1991. Denmark.
- Micropsalliota bogoriensis* Heinem. in Bull. Jard. bot. nat. Belg. 53: 91. 1983. {Agaricus}
- Macrolepiota bohemica* (Wichanský) Krieglst. & Pázmány in Pázmány in Z. Mykol. 51: 53. 1985; *Lepiota bohemica* Wichanský in Mykol. Sborn. 38: 103. 1961 (not valid, a range of dates for type); in Mykol. Sborn. 39: 12. 1962 (addition on Latin diagn.); *Macrolepiota bohemica* (Wichanský) Krieglst. in Z. Mykol. 47: 83. 1981 (not valid); *Macrolepiota rachodes* var. *bohemica* (Wichanský) Bellù & Lanzoni in Beitr. Kenntn. Pilze Mitteleur. 3: 191. 1987. Typus: Praga, hortus publicus "Kinského sady" dictus, 27-XI12-XII-1960 atque 4-V30V-1961 ad terram nudam humosam, praecipute foliis tectam, in vicinitate arborum frondosarum, Pini nigrae et fruticum. E. Wichanský legit. Typus in Herbario Musei Nationalis Pragae (PR) depositus est.
[type study Vellinga, 2003a]
[see under *Chlorophyllum brunneum*]
- Leucocoprinus bohussii* Wasser in Ukr. bot. Zh. 32: 33. 1975 (as *Leucocoprinus bohussii*);
Leucoagaricus bohussii (Wasser) Bon in Doc. mycol. 11 (43): 62. 1981. Ukr. SSR.
- Agaricus (Psalliota) boltoni* Copel. in Bur. Govt. Lab. Publ. 28: 144. 1905 / Annales mycologici 3: 27. 1905.
[synonym of *Leucoagaricus americanus* according to Mendoza & Leus-Palo, 1938]

- Macrolepiota bonaerensis* (Speg.) Singer in Lilloa 22: 417. ('1949') 1951; *Macrolepiota bonaerensis* (Speg.) Raithelh. in Metrodiana Sonderh. 2: 13. 1983 (superfl. comb. nov.); *Lepiota excoriata* f. *bonaerensis* (Speg.) Rick in Lilloa 1: 318. 1937 (as '*bonariensis*'); *Lepiota bonaerensis* (Speg.) Sacc., Syll. Fung. 5: 28. 1887; *Agaricus bonaerensis* Speg. in An. Soc. Cient. Argent. 9 (6): 278. 1880 (Fungi Arg. Pug. 2: 3. 1880). Argentina.
- Hiatula boniana* Pat. in J. Bot. (Morot) 11: 336. 1897; *Leucocoprinus bonianus* (Pat.) Z.-L. Yang in Mycotaxon 75: 455. 2000. Holotype FH 4034. Vietnam.
[type study Yang, 2000]
- Leucoagaricus bonii* A. Caballero in Bon & Caballero in Doc. mycol. 27 (106): 40. 1997.
Holotypus no. AC-1784 in herb. Bon.
- Agaricus bonii* Wasser in Doc. mycol. 25 (98-100): 470. 1995. Israel. {Agaricus}
- Lepiota boninensis* Ito & S. Imai in Trans. Sapporo nat. Hist. Soc. 16: 10. 1939. Bonin Islands.
- Lepiota booloola* Grgur., Larger Fungi of South Australia: 457. 1997. Holotype AD 11818. Australia.
- Lepiota boucheri* P. Ramain in Rev. Mycol., Paris 20: 43. 1955 (not valid). France.
- Lepiota boudieri* Bres., Fungi trident. 1: 43. 1884, non *Lepiota boudieri* Guég., ('1908') 1909. – *Lepiota fulvella* Rea in Trans. Br. mycol. Soc. 6: 61. ('1917') 1918. – *Lepiota fulvella* f. *gracilis* J.E. Lange, Fl. agar. dan. 1: 32. 1935 (not valid, without Latin diagn.).
- Lepiota boudieri* Guég. in Bull. trimest. Soc. mycol. Fr. 24: 131. ('1908') 1909; *Lepiota gueguenii* Sacc. & Trotter, Syll. Fung. 21: 211. 1912 (as *Lepiota guegueni*).
[synonym of *Leucocoprinus straminellus*]
- Leucoagaricus boudierianus* Bon in Doc. mycol. 23 (91): 33. 1993.
[based on *Lepiota nymphaeum* sensu Boudier]
- Agaricus brasiliensis* Wasser, M. Didukh, Amazonas & Stamets in Wasser, Didukh, Amazonas, Nevo, Stamets & Eira in Int. J. medicinal Mushr. 4: 274. 2002, non *Agaricus brasiliensis* Fr., 1830. {Agaricus}
[synonym of *Agaricus subrufescens*, see Kerrigan, 2005]
- Macrolepiota brasiliensis* (Rick) Raithelh. in Metrodiana 15: 64. 1988; *Lepiota permixta* var. *brasiliensis* Rick in Broteria, Bot. 6: 68. 1907. Brazil.
- Lepiota aurantiaca* var. *brasiliensis* Rick in Lilloa 1: 340. 1937. Brazil.
- Lepiota meleagris* f. *brasiliensis* Rick in Iheringia, Bot. 8: 311. 1961. Brazil.
[N.B. no type coll. indicated]
- Leucocoprinus brebissonii* (Godey) Locq. in Bull. mens. Soc. linn. Lyon 12: 41. 1943; *Lepiota brebissonii* Godey in Gillet, Hyménomycètes: 64. 1874.
- Agaricus bresadolae* Schulzer in Hedwigia 24: 132. 1885, nom. nov. for *Agaricus cupreus* Schulzer in Verh. k.k. zool.-bot. Ges. Wien 27: 112. 1877, non *Agaricus cupreus* Secr., 1833 (not valid), nec *Agaricus cupreus* (Krombh.) Krombh., 1846 (= *Russula cuprea*); *Lepiota bresadolae* (Schulzer) Sacc., Syll. Fung. 5: 33. 1887, non *Lepiota bresadolae* Henn., 1890; *Leucoagaricus bresadolae* (Schulzer) Bon in Doc. mycol. 7 (27-28): 15. 1977; *Leucocoprinus bresadolae* (Schulzer) M.M. Moser in Gams, Kl. Kryptog.-Fl. Ed. 3: 186, 1967 (not valid); in Ed. 4: 248. 1979 (not valid; art. 33.2); *Leucocoprinus bresadolae* (Schulzer) Wasser in Nov. Sist. vyssh. niz. Rast. 1977: 221. ('1977') 1978. non *Armillaria bresadolae* Rick nor *Amanita bresadolae* (Rick) Rick (= *Lepiota crassior* Singer). – *Agaricus americanus* Peck in Ann. Rep. N.Y. St. Mus. nat. Hist. 23: 71. ('1870') 1872; *Lepiota americana* (Peck) Sacc., Syll. Fung. 5: 43. 1887; *Leucocoprinus americanus* (Peck) Redhead in Groves, Edible and poisonous mushrooms of Canada; Pubes Dep. Agric. Can. 1112, Ed. 2: 323. 1979; *Leucoagaricus americanus* (Peck) Vellinga in Mycotaxon 76: 433. 2000.

- Lepiota bresadolae* Henn. in Verh. bot. Ver. Prov. Brandenb. 31: 150. 1890, non *Lepiota bresadolae* (Schulzer) Sacc., Syll. Fung. 5: 33. 1887. in hothouse, Germany.
- Lepiota brevipes* Murrill in Q. Jl Fla Accad. Sci. 8: 178. 1945. W.A. Murrill F 21631, 13 Aug. 1944, on the ground in an open high hammock at Gainesville, Florida, U.S.A. FLAS. [type study Smith, 1966; Akers & Sundberg, 1998]
- Micropsalliota campestroides* var. *brevipes* Heinem. in Bull. Jard. bot. nat. Belg. 58: 542. 1988. {Agaricus}
- Leucocoprinus breviramus* H.V. Sm. & N.S. Weber in Contr. Univ. Mich Herb. 15: 300. 1982. U.S.A. [probably synonym of *Leucocoprinus cretaceus*]
- Agaricus devoniensis* subsp. *devoniensis* Kerrigan in Kerrigan, Callac & Parra in Mycologia 100: 888. 2008. U.S.A., Colorado. Type in SFSU. MB512227 {Agaricus}
- Lepiota excoriata* var. *brigantiaca* Remy in Bull. trimest. Soc. mycol. Fr. 80: 582 ('1964') 1965. (as *L. "Leucocoprinus"*).
- Lepiota brinkmannii* Rick in Broteria, Bot. 18: 51. 1920 (as *Lepiota brinkmannii*). Brazil.
- Lepiota broadwayi* Murrill in Mycologia 3: 84. 1911; *Annularia broadwayi* (Murrill) Sacc. & Trotter, Syll. Fung. 23: 181. 1925; *Limacella broadwayi* (Murrill) H.V. Sm. in Mycol. Mycopath. appl. 29: 102. 1966 (not valid, basionym not mentioned). Grenada. [type study Smith, 1966] [in Amanitaceae]
- Lepiota amianthina* var. *broadwoodiae* Berk. & Broome in Sacc., Syll. Fung. 5: 48. 1887. [Berk. & Broome n. 1730]
- Attamyces bromatificus* Kreisel in Z. allg. Mikrobiologie 12: 648. 1972. Cuba. in nests of *Atta insularis*. [anamorph of "*Rozites*" *gongylophorus*] ["Diagnosis generico-specifico: Mycelium sterile. Hyphae hyalinae, rectae, glabrae, septatae septis perforatis, defibulatae, ramificatae angulo recto (in gongylidiis angulo recto vel obtuso), interdum anastomosantes, gerentes bromatia seu vesiculas laterales terminalesque pedunculato-claviformes non-septatis, sed con hyphis continuas. Hyphae vesiculiferae gongylidia seu nodulos conspicuos componentes. Hab. in nidis formicarum *A. insularis*, quales fungum in hortis subterraneis colunt, circa locum Calabazar, Cubae"]
- Lepiota brunnea* Farlow & Burt, Icones farlowianae: 8, pl. 6. 1929; *Macrolepiota rhacodes* var. *brunnea* (Farl. & Burt.) Candusso in Candusso & Lanzoni, *Lepiota* s.l., Fungi eur. 4: 535. 1990; *Macrolepiota brunnea* (Farlow & Burt) Wasser, Tribes *Cystodermateae* Singer and *Leucocoprineae* Singer of the CIS and Baltic States (Libri botanici 9): 82. 1993; *Chlorophyllum brunneum* (Farlow & Burt) Vellinga in Mycotaxon 83: 416. 2002. [type study Vellinga, 2003a.]
- Lepiotella brunnea* Rick in Lilloa 2: 251. 1938; *Volvolepiota brunnea* (Rick) Singer in Bol. Soc. arg. Bot. 8: 12. 1959; *Macrolepiota pulchella* de Meijer & Vellinga in Mycotaxon 85: 184. 2003, nom. nov. Brazil. [type species of *Volvolepiota*]
- Lepiota glioderma* f. *brunnea* Killerm. in Denkschr. bayer. bot. Ges. Regensburg 18: 324. 1930. [in Amanitaceae]
- Lepiota brunneoannulata* Rick in Lilloa 1: 340. 1937. Brazil.
- Lepiota brunneocarnea* Rick in Lilloa 1: 343. 1937. Brazil.
- Lepiota brunneocingulata* P.D. Orton in Trans. Br. mycol. Soc. 43: 282. 1960; *Leucoagaricus brunneocingulatus* (P.D. Orton) Bon in Doc. mycol. 6 (24): 44. 1976. Type GB, Somerset, Spaxton, Kenley Bottom, 29-X-1958, E. Marriage (K).

- Lepiota brunneoincarnata* Chodat & C. Martin in Bull. Trav. Soc. bot. Genève 5: 222. 1889.
Leucocoprinus brunneoluteus Capelari & Gimenes in Hoehnea 31: 332. 2004. Brazil.
 [very close to *Leucocoprinus birnbaumii*]
- Micropsalliota brunneola* Heinem. in Bull. Jard. bot. nat. Belg. 50: 46. 1980. {Agaricus}
- Lepiota brunneolilacea* Bon & Boiffard in Bull. trimest. Soc. mycol. Fr. 88: 18. 1972. France.
Leucoagaricus brunneolilacinus Babos in Annls hist.-nat. Mus. natn. hung. 72: 81. 1980.
Xanthagaricus brunneolus Little Flower, Hosag. & T.K. Abraham in New Botanist 24: 94. 1997.
 {Agaricus}
- Lepiota grangei* f. *brunneo-olivacea* Pilát in Acta Mus. nat. Prag. 11B (2): 9. 1955.
 [type study Vellinga & Huijser, 1993]
 [synonym of *Lepiota griseovirens*]
- Lepiota brunneopurpurea* Rick in Broteria, Bot. 18: 51. 1920. Brazil.
Lepiota brunneosperma Singer in Singer & Digilio in Lilloa 25: 279. ('1951') 1952;
Micropsalliota brunneosperma (Singer) Pegler in Pegler & R.W. Rayner in Kew Bull. 23: 369. 1969; *Pseudodescolea brunneosperma* (Singer) Raithelh. in Metrodiana 11 (2): 51. 1985. Argentina. {Agaricus}
- Leucoagaricus brunneosquamulosus* P. Mohr & Dähncke in Feddes Repertorium 115: 26. 2004.
 Holotype in B. La Palma, Canary Islands.
- Lepiota brunneosquarrosa* Rick in Lilloa 1: 342. 1937. Brazil.
 [Rick, 1937: "Pileo ½ cm. lato, carnosulo, exstrio, brunneo-squarroso, squamis subliberis; lamellis alboflavis, linearibus, ventricosos-arcuatis, margine subtiliter serratis, subconfertis, liberis, stipite 1 cm. alto, filiformi, curvo, incrassato, albo-fibrilloso; annulo fibroso-farinaceo, fugace; sporis 5 = 4 µ apiculatis. In cortice. Forsan est varietas *Lep. brunneo-purpureae*."]
- Lepiota brunneotabacina* A.B. Pereira in Iheringia, Bot. 51: 233. 1998. Brazil.
Cystolepiota brunneotingens Singer in Singer & Digilio in Lilloa 25: 283. ('1951') 1952.
 Argentina. Holotype Argentina, prov. Tucumán, Quebrada de Lules, 23-IV-1950, leg. P. Antonuccio, T. 977 (LIL).
- Agaricus brunnescens* Peck in Bull. Torrey Bot. Club 27: 16. 1900. {Agaricus}
 [type study Malloch, 1976; type study and lectotypification Kerrigan ('2007') 2008]
 [older name for *Agaricus bisporus*]
- Leucoagaricus brunnescens* (Peck) Bon in Doc. mycol. 11 (43): 62. 1981; *Leucocoprinus brunnescens* (Peck) Pegler in Kew Bull. add. Ser. 9: 422. 1983 (superfluous);
Leucocoprinus brunnescens (Peck) Locq. in Bull. mens. Soc. linn. Lyon 14: 93. 1945 (basionym not cited, but not required); *Lepiota brunnescens* Peck in Bull. Torrey bot. Cl. 31: 177. 1904. "open woods and grassy places, near St. Louis, MO, July and August, N.M. Glatfelter". U.S.A., Missouri.
- Macrolepiota brunnescens* Vellinga in Mycotaxon 85: 184. 2003, nom. nov. for *Volvolepiota albida* Singer in Bol. Soc. arg. Bot. 8: 12. 1959, non *Macrolepiota albida* (Beeli) Heinem., 1969.
- Agaricus bubalinus* Berk. in J. linn. Soc., Bot. 13: 156. ('1872') 1873 (F. Austr. n. 4.), non *Agaricus bubalinus* Schumach., 1803; nec *Agaricus bubalinus* Pers., 1828; *Lepiota bubalina* (Berk.) Sacc., Syll. Fung. 5: 69. 1887. Australia.
 [Berkeley, 1873: "Niveus; pileo ex ovato subhemisphaerico expanso late umbonato, stipiteque intus arachnoideo deorsum incrassato-tomentosis; lamellis angustis. On cow-dung. Oolingyarrak."]
- Cystolepiota bucknallii* (Berk. & Broome) Singer & Cléménçon in Nova Hedwigia 23: 338. ('1972') 1973; *Agaricus bucknallii* Berk. & Broome in Ann. Mag. nat. Hist. 7, Ser. V:

124. 1881 (as *A. bucknallii*) (Notic. Br. Fungi 1836); *Lepiota bucknallii* (Berk. & Broome) Sacc., Syll. Fung. 5: 50. 1887. – *Lepiota seminuda* var. *lilacina* Quéél. in Bull. Soc. bot. Fr. 23: 325. 1877; *Lepiota seminuda* subsp. *lilacina* (Quéél.) Sacc. & Sydow, Syll. Fung. 12: 986. 1897; *Lepiota lilacina* (Quéél.) Boud. in Bull. Soc. mycol. Fr. 9: 6. 1893; *Cystolepiota bucknallii* var. *lilacina* (Quéél.) Bon in Doc. mycol. 7 (27-28): 21. 1977 (not valid, basionym not mentioned); *Cystolepiota bucknallii* var. *lilacina* (Quéél.) Bon in Doc. mycol. 22 (88): 27. 1993. U.K.
- Leucoagaricus bulbillosus* Heinem. in Bull. Jard. bot. nat. Belg. 43: 10. 1973. Zaïre. Type Congo, Panzi (Kivu) XII. 1947, M. Goossens-Fontana 5005 (BR).
- Leucocoprinus bulbipes* (Mont.) Raitelh. in Metrodiana 13: 38. 1987; *Agaricus (Lepiota) bulbipes* Mont. in An. Sci. Nat., Ser. IV, 5: 352. 1856; *Lepiota bulbipes* (Mont.) Sacc., Syll. Fung. 5: 56. 1887. Brazil.
[type study Pegler, 1990]
- Lepiota bulbipes* Henn. in Engler bot. Jahrb. 23: 556. 1897, non *Lepiota bulbipes* (Mont.) Sacc., 1887; *Lepiota henningsii* Sacc. & P. Syd., Syll. Fung. 14: 68. 1899, nom. nov. Cameroon.
- Lepiota bulbosa* Velen., České Houby 2: 207. 1920.
- Lepiota bulbosa* Cleland in Trans. Proc. Roy. Soc. South Australia 55: 154. 1931, non *Lepiota bulbosa* Velen., 1920.



- Hymenagaricus caespitosus* D.A. Reid & Eicker in S. African J. Bot. 61(6): 293. 1995.
{Agaricus}
- Lepiota caerulea* Beardslee in J. Elisha Mitchell Sci. Soc. 31: 146. 1915. U.S.A., North Carolina.
- Leucocoprinus caeruleoviolaceus* D.A. Reid in Mycol. Research 93: 413. 1989; *Leucoagaricus caeruleoviolaceus* (D.A. Reid) Bon in Doc. mycol. 23 (91): 33. 1993; *Leucoagaricus ionidicolor* var. *caeruleoviolaceus* (D.A. Reid) D.A. Reid in Mycotaxon 53: 327. 1995.
[probably synonym of *Leucoagaricus ionidicolor*]
- Lepiota caerulescens* Peck in Bull. Torrey bot. Cl. 26: 63. 1899 (as *Lepiota coerulescens*);
Leucoagaricus caerulescens (Peck) J. F. Liang, Zhu L. Yang & J. Xu in Mycologia 102: 1147. 2010. [doi:10.3852/09-021]. U.S.A., Ohio. Mycobank MB515458
[Peck, 1899: “Pileus thin, convex, obtuse or slightly umbonate, squamulose, whitish, the squamules and the center brownish, flesh and surface of the pileus becoming blue in drying; lamellae thin, close, free, white, becoming blue in drying; stem slender, equal, brownish, annulate, the annulus membranous, persistent, externally tinged with blue when dry; spores elliptic, 7 μ long, 5 μ broad. Pileus 1.5-2 cm. broad; stem 3-5 cm. long, 2 mm. thick. Ohio. C. G. Lloyd. The species is closely allied to *Lepiota cristata*, from which it is easily separated by its assuming blue tints in drying.”]
[*Lepiota virescens* is considered synonymous by Liang et al., 2010; who studied the type of *L. caerulescens*]
- Lepiotula calcarata* E. Horak in N.Z. J. Bot. 18: 186. 1980; *Lepiota calcarata* (E. Horak) E. Horak in Sydowia 33: 137. (‘1980’) 1981. New Zealand.
- Lepiota calcicola* Knudsen in Bot. Tidsskr. 75: 140. 1980; *Cystolepiota calcicola* (Knudsen) Bon & Courtec. in Doc. mycol. 18 (69): 38. 1987; *Echinoderma calcicola* (Knudsen) Bon in Doc. mycol. 21 (82): 62. 1991. Denmark.
[based on *Lepiota hispida* sensu J.E. Lange, Fl. agar. dan. 1: 26. 1935]
- Agaricus clypeolarius* var. *caldariis* Roum., Flore mycologique du département de Tarn-et-Garonne: 57. 1879.
[this might be *Leucocoprinus birnbaumii*]
- Leucocoprinus caldariorum* D.A. Reid in Mycol. Research 94: 652. 1990. GB. Holotype GB, Surrey, Richmond, Kew, Royal Botanic Gardens, Waterlilyhouse (No. 15), 20 May 1988. (nom. inval., art. 37.5: herbarium not indicated); *Leucoagaricus caldariorum* (D.A. Reid) Bon in Doc. mycol. 23 (91): 33. 1993.
- Lepiota clypeolaria* var. *caldariorum* Gillet, Hyménomycètes: 62. 1874; *Lepiota caldariorum* (Gillet) Dumée in L’Amateur de Champignons 5: 36. 1911.
[Dumée called it ‘variété de clypeolaria’, but does not give it the prefix ‘var.’]
- Hymenagaricus calicutensis* Heinem. & Little Flower in Bulletin du Jardin Botanique National de Belgique 54(1-2): 163. 1984. India, Kerala, Calicut. {Agaricus}
- Lepiota callamba* Lagerh. in Patouillard & Lagerheim in Bull. Soc. mycol. Fr. 7: 158. 1891 (only the name); in Bull. Soc. mycol. Fr. 9: 124. 1893 (full description). Ecuador.
- Lepiota caloceps* G.F. Atk. in J. Mycol. 8: 115. 1902. U.S.A., New York.
- Agaricus calongei* Dan.-Arr. in Bol. Soc. micol. Madrid 24: 72. 1999. Holotype MA. Spain. {Agaricus}
- Agaricus campbellensis* Geml, Laursen & D.L. Taylor in Mycotaxon 100: 202. 2007. Campbell Island (New Zealand). {Agaricus}
- Lepiota camerunensis* Henn. in Engler bot. Jahrb. 22: 107. 1895. Cameroon.
- Lepiota clypeolaria* var. *campanetta* Barla in Bull. Soc. mycol. Fr. 2 (3): 116. 1886.
[synonym of *Lepiota ventriosospora*, *Lepiota magnispora*]

- Macrolepiota campestris* L.N. Lebedeva ex D.I. Samgina in Bot. Mater. Gerb. Inst. Bot. Akad. Nauk Kazakh SSR 13: 82. 1983. Kazakh SSR. Typus URSS, RSSKazachstaniae, regio Karagandensis, in vicinus opp. Karaganda, in steppis "Novokuznetzkie", 22-VII-1960. A Ja Kim. in Herb. Instituti Botanicae Acad. Sci. RSS. Kazachstaniae (AA) (NT).
 ["a whitish, slightly squamose, floccose-fibrillose pileus, 4-6.5 cm, stipe 4-7 x 0.5-0.7 cm, annulus simple, not evanescent; cystidia 27.6-34.5 x 6.9-11.5 µm, clavate, fusiform, basidia 12.6-18.45 x 9.3-11.6 µm, 4-spored, clavate, spores 8.5-9.6 x 5.65-7.1 µm, with germ pore."]
- Micropsalliota campestroides* (Heinem. & Gooss.-Font.) Heinem. in Bull. Jard. bot. nat. Belg. 58(3-4): 542. 1988; *Agaricus campestroides* Heinem. & Gooss.-Font. in Heinem. in Bull. Jard. bot. Brux. 26: 20. 1956. {Agaricus}
- Annularia camporum* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 117. ('1898')1899 (Fungi Arg. nov. v. crit.); *Lepiota camporum* (Speg.) Speg. in Bol. Acad. nac. Cienc. Cordoba 29: 114. 1926. Argentina.
 [synonym of *Chlorophyllum molybdites*]
- Melanophyllum canali* Velen., České Houby 3: 570. 1921.
- Leucocoprinus canariensis* P. Mohr & Dähncke in Feddes Repertorium 115: 28. 2004. Holotype in B. La Palma, Canary Islands.
- Leucoagaricus candicans* T.K.A. Kumar & Manim. in Mycotaxon 108: 402. 2009. India, Kerala State.
- Lepiota candida* Copel. in Annales mycol. 3: 29. 1905. Phillipine Islands.
- Lepiota candida* Morgan in J. Mycol. 12: 202. 1906. U.S.A., Ohio.
 ["in section *Gliodermata*"; probably in *Amanitaceae*].
- Schulzeria candida* Beeli in Bull. Soc. roy. bot. Belg. 66: 16. 1933. Congo.
- Lepiota canescens* A. Pearson in Trans. Br. mycol. Soc. 33: 292. 1950. South Africa.
 [type study Reid & Eicker 1993; according to Reid & Eicker synonym of *Lc. truncatus*]
- Hymenagaricus canoruber* (Berk. & Broome) Heinem. & Little Flower in Bulletin du Jardin Botanique National de Belgique 54(1-2): 153. 1984; *Agaricus canoruber* Berk. & Broome in J. linn. Soc., Bot. 11: 554. 1871; *Psilocybe canorubra* (Berk. & Broome) Sacc., Syll. Fung. 5: 1052. 1887. Sri Lanka. {Agaricus}
- Clarkeinda caparidensis* f. *caparidensis* Cout. in Bol. Soc. Broteriana 7: 341, pl. 1, figs 4-7. 1931. Portugal. {Agaricus}
- Agaricus capensis* Fraiture in Belg. J. Bot. 131: 85. 1999 ('1998'), nom. nov. for *Agaricus nobilis* (A. Pearson) Heinem., 1978; *Psalliota nobilis* A. Pearson, 1950, non *Agaricus nobilis* Bolton, 1788. {Agaricus}
- Lepiota carbonescens* Beeli in Bull. Soc. roy bot. belg. 59: 107. 1927. Congo.
- Cystoderma carcharias* (Pers.) Fayod in Ann. Sc. nat., Bot., sér. VII, 9: 351. 1889; *Agaricus carcharias* Pers., Syn. meth. Fung.: 263. 1801; *Agaricus granulosis* * *carcharias* (Pers.) Fr., Epicrisis. 1838; *Lepiota granulosa* var. *carcharias* (Pers.) P. Kummer, Führer Pilzk.: 136. 1871; *Lepiota carcharias* (Pers.) P. Karst., Ryssl., Finl. Skand. Halføns Hattsvamp.: 14. 1879.
 [not in *Agaricaceae*]
- Micropsalliota cardinalis* Heinem. in Bull. Jard. bot. nat. Belg. 59: 459. 1989. Holotype ZT 216; in tropical forest; Tucumán, Mexico. {Agaricus}
- Agaricus (Lepiota) carecti* Britzelm. in Ber. naturhist. Ver. Augsburg 30: 7. 1890 (Hymenomyc. Südbayern 6: 7.) (also in Revis. Hymenomyc. 1: 3. 1898).
- Lepiota carinii* Bres., Iconogr. mycol. 12: pl. 598. ('1929') 1930; *Echinoderma carinii* (Bres.) Bon in Doc. mycol. 21 (82): 63. 1991. Italy.

- Chamaemyces carmelensis* M. Didukh & Wasser in Didukh, Wasser & Nevo in *Mycologia Balcanica* 1: 92. 2004. Israel, in lawn under *Pinus halepensis*.
- Lepiota carminea* Pat. & Gaillard in Bull. Soc. mycol. Fr. 4: 9. 1888. Venezuela.
[type not in FH, not found in PC]
- Leucoagaricus carminescens* Heinem. in Bull. Jard. bot. nat. Belg. 43: 8. 1973. Zaïre.
- Lepiota carneifolia* Gillet, Hyménomycètes: 65. 1874; *Leucoagaricus carneifolius* (Gillet) M.M. Moser in Gams, Kl. Kryptog.Fl. 2B/2: 115. 1953 (not valid, basionym not mentioned);
Leucoagaricus carneifolius (Gillet) M.M. Moser ex Bon in Doc. mycol. 7 (27-28): 21. 1977; *Leucoagaricus carneifolius* (Gillet) Wasser in Ukr. bot. Zh. 34: 307. 1977;
Leucocoprinus carneifolius (Gillet) Locq. in Bull. mens. Soc. linn. Lyon 14: 93. 1945.
- Mastocephalus carneoannulatus* Clem. in Bot. Survey Nebraska 4, Lincoln: 17. 1896; *Lepiota carneoannulata* (Clem.) Sacc., Syll. Fung. 14: 67. 1899. U.S.A., Nebraska.
- Lepiota carneorubra* Massee in Kew Bull. 1914: 357. 1914. Singapore.
- Lepiota caroli* Velen., Novitates mycol.: 47. 1939. Czech Republic.
- Lepiota carpatica* (M.M. Moser) M.M. Moser in Gams, Kl. Kryptog.Fl. 2b/2, Ed. 5: 237. 1984;
Cystoderma carpaticum M.M. Moser in Beih. Sydowia 8: 272. 1979.
[possibly synonym of *Leucopholiota decorosa*]
- Lepiota carphophylla* (Berk. & Broome) Sacc., Syll. Fung. 5: 54. 1887 (as *Lepiota carphophylla*);
Agaricus carphophyllus Berk. & Broome in J. linn. Soc., Bot. 11: 498. 1871. Holotypus Thwaites 1165. Sri Lanka. – *Agaricus spodolepis* Berk. & Broome in J. linn. Soc., Bot. 11: 504. 1871; *Lepiota spodolepis* (Berk. & Broome) Sacc., Syll. Fung. 5: 60. 1887. Holotypus Thwaites 886 (K). Sri Lanka.
[type studies Pegler, 1972, who also established the synonymy of the two names]
- Lepiota castanea* Quél. in C. r. Ass. franç. Av. Sci. 9: 661. 1881 (Suppl. Champ. Jura Vosges 10). – *Lepiota ignipes* Locq. in Bull. mens. Soc. linn. Lyon 14: 59. 1945 (nom. nud.);
Lepiota ignipes Locq. ex Bon in Doc. mycol. 8 (30-31): 70. 1978.
[*Lepiota ignicolor* is probably a good species in its own right]
[see Migliozi & Zecchin, 2000 for type studies and different interpretations of this taxon]
- Lepiota castaneidisca* Murrill in *Mycologia* 4: 232. 1912. California.
[a good species in its own right, but according to Sundberg, 1989 a synonym of *Lepiota cristata*]
[type study Smith, 1966; Vellinga, 2001]
- Lepiota castaneopallida* Damblon & Lambinon in *Lejeunia* 21: 90. ('1957') 1959. Belgium.
- Lepiota castanescens* Murrill in *Mycologia* 4: 234. 1912. U.S.A., Washington. Type W.A. Murrill 397, collected on the ground in woods near Seattle, Washington, October 20-November 1, 1911.
[“Pileus small, thin, convex to subexpanded, prominently umbonate, 2-3 cm. broad; surface dry, densely appressed-fibrillose, white to rose-colored, glabrous and darker-red on the umbo, the entire surface changing to castaneous on drying; lamellae free, crowded, narrow, plane, white, becoming fumous on drying; spores ellipsoid, smooth, pointed, strictly hyaline, 7-8 x 3-4 µ; stipe tapering upward, slender, slightly fibrillose, hollow, about 6 cm. long and 2-5 mm. thick, white or rose-tinted, changing to castaneous on drying; annulus superior, fixed, ample, persistent, white, changing to castaneous on drying.”]
[type study Smith, 1966; Vellinga & Sundberg, 2008]
[this is the western North American *La. croceovelutinus*]

- Leucocoprinus castroi* Blanco-Dios in *Revista Catalana de Micologia* 25: 41. 2003. Typus LOU-Fungi 17131.
- Lepiota catenariocystidiata* H.-Ch. Wang & Zhu-Liang Yang in *Mycotaxon* 94: 51-52. ('2005') 2006. China.
- Lepiota caudicina* Gray, *Nat. Arr. Br. Plants* 1: 602. 1821. – *Pholiota mutabilis* (Scop. : Fr.) P. Kumm., *Führ. Pilzk.*: 83. 1871.
[not in *Agaricaceae*]
- Lepiota clypeolaria* f. *cedretorum* Maire in *Bull. Soc. Hist. nat. Afrique Nord* 7: 295. 1916. Morocco.
- Echinoderma echinaceum* var. *cedriolens* Bon in *Doc. mycol.* 22 (88): 27. 1993. Holotype Bon 84282 in herb. Bon.
- Lepiota celebica* Henn. in *Warburg in Monsunia* 1: 21. 1899; *Lepiota rhacodes* f. *celebica* (Henn.) Rick in *Lilloa* 1: 319. 1937. Sulawesi (Celebes), Indonesia.
- Chitonia cellaris* (Bres.) Boud., *Icones mycol.* 1: pl. 131. 1906; *Clarkeinda cellaris* Bres. in *Annales mycologici* 3: 162. 1905. {Agaricus}
[synonym of *Agaricus gennadii*]
- Leucocoprinus cepistipes* (Sowerby : Fr.) Pat. in *J. Bot., Paris* 3: 336. 1889; *Agaricus cepistipes* Sowerby, *Col. Figs Engl. Fungi* 1: pl. 2. 1796; *Agaricus cepistipes* Sowerby : Fr., *Syst. mycol.* 1: 280. 1821; *Lepiota cepistipes* (Sowerby : Fr.) P. Kumm., *Führ. Pilzk.*: 136. 1871; *Mastocephalus cepistipes* (Sowerby : Fr.) Kuntze, *Rev. Gen. Pl.* 2: 859. 1891; *Hiatula cepistipes* (Sowerby : Fr.) R. Heim & Romagn. in *Bull. trimest. Soc. mycol. Fr.* 50: 184. 1934. – *Leucocoprinus cepistipes* f. *macrosporus* Migl. in *Boll. Ass. micol. ecol. Romana* 6-7: 18. 1986. (all as 'cepaestipes').
[Possible other synonyms, but see notes: *Agaricus albuminosus* Berk. in *Hooker, London J. Bot.* 6: 461 bis. 1847; *Lepiota albuminosa* (Berk.) Sacc., *Syll. Fung.* 5: 72. 1887; *Collybia albuminosa* (Berk.) Petch in *Ann. roy. bot. Gard., Peradeniya* 5: 268. 1912; *Termitomyces albuminosus* (Berk.) R. Heim in *Mém. Acad. Sci. Inst. Fr.* 64: 72. 1941; *Macrolepiota albuminosa* (Berk.) Pegler in *Kew Bull.* 27: 189. 1972. Holotypus Gardner 51 (K). – *Agaricus continuus* Berk. in *Hooker, London J. Bot.* 6: 480 bis. 1847; *Lepiota continua* (Berk.) Sacc., *Syll. Fung.* 5: 44. 1887. Holotypus Gardner 29 (K). – *Agaricus rorulentus* Panizzi in *Comm. Soc. critt. ital.*: 172. 1861; *Lepiota rorulenta* (Panizzi) Barla in *Bull. soc. mycol. Fr.* 2 (3): 117. 1886; *Leucocoprinus cepistipes* var. *rorulentus* (Panizzi) Babos in *Annl. hist.-nat. Mus. natn. hung.* 72: 87. 1980 (as *Lc. cepaestipes* var. *rorulentus*). – *Agaricus cheimonoceps* Berk. & M.A. Curtis in *J. linn. Soc., Bot.* 10: 283. 1869. Cuba; *Lepiota cheimonoceps* (Berk. & M.A. Curtis) Sacc., *Syll. Fung.* 5: 66. 1887; *Lepiota cepistipes* var. *cheimonoceps* (Berk. & M.A. Curtis) Rick in *Iheringia, Bot.* 8: 314. 1961 (not valid, basionym not mentioned). – *Agaricus oncopus* Berk. & Broome in *J. linn. Soc., Bot.* 11: 496. 1871; *Lepiota oncopus* (as oncopoda) (Berk. & Broome) Sacc., *Syll. Fung.* 5: 44. 1887. Holotypus Thwaites 792 (K). – *Agaricus oenopus* Berk. & Broome in *J. linn. Soc., Bot.* 11: 499. 1871; *Lepiota oenopus* (Berk. & Broome) Sacc., *Syll. Fung.* 5: 57. 1887 (as *Lepiota oenopoda*). Holotypus Thwaites 688 (K). – *Agaricus adoreus* Berk. & Broome in *J. linn. Soc., Bot.* 11: 499. 1871; *Lepiota adorea* (Berk. & Broome) Sacc., *Syll. Fung.* 5: 57. 1887. – *Lepiota cretatus* Locq. in *Haller in Mitt. Aargausischen naturf. Ges.* 28: 82. 1950; *Leucocoprinus cretatus* (Locq.) M.M. Moser in *Gams, Kl. Kryptog.Fl.* 2: 116. 1953.]
[Two notes: 1. according to *Index Fungorum* [on-line] correct spelling for cepaestipes is cepistipes. 2. Sowerby used the name *Agaricus cepaestipes* as a new name to accommodate both *Agaricus luteus* (= *Leucocoprinus birnbaumii*) and *Agaricus cretaceus*

- Bull., as he thought them two colour variants of the same species, and the name has been used for the white species (*Lc. cretaceus*) by English authors, like Pegler; other authors follow J.E. Lange's interpretation of the name in Flora agaricina danica for a different, brown-grey squamose species; I have followed J.E. Lange's interpretation in FAN5 and used the name *Lc. cretaceus* for the white, and *Lc. birnbaumii* for the yellow species]
- Micropsalliota cephalocystis* (Heinem.) Heinem. in Kew Bull. 31: 583. 1977; *Agaricus cephalocystis* Heinem. in Kew Bull. 15: 246. 1961. {Agaricus}
- Lepiota ceramogenes* (Berk. & Broome) Sacc., Syll. Fung. 5: 51. 1887; *Agaricus ceramogenes* Berk. & Broome in J. linn. Soc., Bot. 11: 508. 1871. Holotypus Thwaites 1191 (K). Sri Lanka – *Agaricus melichrous* Berk. & Broome in J. linn. Soc., Bot. 11: 513. 1871; *Lepiota melichroa* (Berk. & Broome) Sacc., Syll. Fung. 5: 65. 1887.
[type studies Pegler, 1972, who also established the synonymy of these two species]
- Lepiota cervicolor* Cleland in Trans. Proc. roy. Soc. S. Australia 67: 187. 1933. Australia.
[type collection not in AD; see Grgurinovic, 1997]
- Agaricus chacoensis* Heinem. in Bull. Jard. bot. nat. Belg. 60: 338. 1990. Argentina. {Agaricus}
- Agaricus cheilotulus* Heinem. in Bull. Jard. bot. nat. Belg. 60: 346. 1990. Argentina. {Agaricus}
- Agaricus cheimonoceps* Berk. & M.A. Curtis in J. linn. Soc., Bot. 10: 283. 1869; *Lepiota cheimonoceps* (Berk. & M.A. Curtis) Sacc., Syll. Fung. 5: 66. 1887; *Lepiota cepistipes* var. *cheimonoceps* (Berk. & M.A. Curtis) Rick in Iheringia, Bot. 8: 314. 1961 (not valid, basionym not mentioned); *Leucocoprinus cheimonoceps* (Berk. & M.A. Curtis) Singer, Agar. mod. Taxon., Ed. 4: 480. 1986. Cuba.
[type study Pegler, 1987a: “small basidiomes of *Leucocoprinus cepaestipes*”; which is *Lc. cretaceus* in other authors' views]
- Lepiota chlorospora* Copel. in Annales mycol. 3: 28. 1905. Philippine Islands.
[synonym of *Chlorophyllum molybdites*]
- Leucocoprinus chryseus* Wichanský in C.C.H. Mykol. Sborn. 40: 9. 1963. Czechoslovakia.
Typus K. Horák, 14-VIII-1962 (PR).
- Xanthagaricus chryso sporus* (Heinem. & Little Flower) Little Flower, Hosag. & T.K. Abraham, New Botanist 24: 96. 1997; *Hymenagaricus chryso sporus* Heinem. & Little Flower in Bulletin du Jardin Botanique National de Belgique 54(1-2): 174. 1984. India, Kerala, Calicut University. {Agaricus}
- Lepiota chudaei* Pat. in Bull. trimest. Soc. mycol. Fr. 22: 195. 1906. Africa.
- Agaricus cinchonensis* Murrill in Mycologia 10: 76. 1918. Jamaica. {Agaricus}
- Leucoagaricus cinerascens* (Quél.) Bon & Boiffard in Bon in Doc. mycol. 8 (29): 38. 1978; *Leucoagaricus cinerascens* (Quél.) M.M. Moser in Gams, Kl. Kryptog.Fl. 2b/2, Ed. 4: 245. 1978 (superfl. comb.); *Leucocoprinus cinerascens* (Quél.) Locq. in Bull. mens. Soc. linn. Lyon 14: 93. 1945; *Lepiota cinerascens* Quél. in C. r. Ass. franç. Av. Sci., Besançon 22: 484. 1894 (Champ. Jura Vosges Suppl. 19); *Lepiota naucina* var. *cinerascens* (Quél.) Konrad & Maubl. ???
- Cystolepiota cinereofusca* Singer in Singer & Gómez in Brenesia 19/20: 37. 1982. Costa Rica.
- Leucoagaricus cinereolilacinus* (Barbier) Bon & Boiffard in Bon in Doc. mycol. 8 (29): 38. 1978; *Lepiota naucina* f. *cinereolilacina* (Barbier) Joss. in Bull. trimest. Soc. mycol. Fr. 81: 519. ('1965') 1966; *Lepiota pudica* f. *cinereolilacina* Barbier in Bull. trimest. Soc. mycol. Fr. 43: 216. 1927. OR *Lepiota holosericea* f. *cinereolilacina* Barbier; *Leucoagaricus leucothites* f. *cinereolilacinus* (Joss.) Wasser in Fl. Gribov Ukrainy. Agarikovye Griby: 292. 1980. France.
- Leucoagaricus cinereopallidus* (Contu) Consiglio & Contu in Micol. Veget. mediterr. 19 (1): 71. 2004; *Sericeomyces cinereopallidus* Contu in Micol. ital. 23 (2): 117. 1994. Sardegna,

- Typus *Sardinia meridionalis*, prov. Cagliari, Chia 24.X.1992, leg. M. Contu (CAG 92/79). CAG 9279.
- Leucoagaricus cinereoradicatus* Boisselet & Migl. in Boll. Gr. micol. G. Bresadola, n.S., 45 (3): 20. ('2002') 2003. France.
- Lepiota cinerescens* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 86. ('1898') 1899. (Fungi Arg. nov. v. crit.). Argentina.
- Lepiota cingulum* Kelderman in Persoonia 15: 537. 1994. The Netherlands.
- Agaricus granulosis* var. *cinnabarinus* Alb. & Schwein., Consp. Fung.: 147. 1805; *Agaricus cinnabarinus* (Alb. & Schwein. : Fr.) Fr., Syst. mycol., Ind. Gen.: 12. 1832; *Lepiota granulosa* var. *cinnabarina* (Alb. & Schwein.) Gillet, Hyménomycètes: 71. 1874; *Lepiota cinnabarina* (Alb. & Schwein. : Fr.) P. Karst., Ryssl., Finl. Skand. Halføns Hattsvamp.: 14. 1879; *Cystoderma cinnabarinum* (Alb. & Schwein. : Fr.) Fayod, 1889; *Armillaria cinnabarina* (Alb. & Schwein. : Fr.) Kauffman in Pap. Michigan Acad. Sci., Arts Letters 2: 60. 1923; *Cystodermella cinnabarina* (Alb. & Schwein.) Harmaja in Karstenia 42: 45. 2002. – *Cystoderma terreii*.
[not in *Agaricaceae*]
- Lepiota cinnamomea* Hongo in J. Jap. Bot. 40: 311. 1965, non *Lepiota cinnamomea* Cleland, 1931. Japan.
[Note the different spellings for Hongo's and Cleland's species]
- Micropsalliota cinnamomeopallida* Singer in Singer & Gómez in Brenesia 19/20: 37. 1982.
{*Agaricus*}
- Lepiota cinnamomea* Cleland in Trans. Proc. roy. Soc. South Australia 55: 153. 1931. South Australia.
[type study Grgurinovic, 1997]
[Note the different spellings for Hongo's and Cleland's species]
- Lepiota cigroensis* Guzm.-Dáv. & Guzmán in Boln Soc. mex. Micol. 17: 44. ('1982') 1983. Mexico.
- Lepiota citri* Steinhaus in litt. in Sacc., Syll. Fung. 5: 45. 1887; *Lepiota steinhausii* (Penz.) Sacc., Syll. Fung. 5: 45. 1887.
- Agaricus citri* Inzenga, Funghi sicil., Cent. Prima: 33, pl. 3. 1865.
[synonym of *Armillaria mellea*, not in *Agaricaceae*]
- Lepiota citricolor* Berk. ???
[as such in Index Fungorum, Feb. 2005, without any more data; N.B. *Agaricus citricolor* Berk. & M.A. Curtis in J. linn. Soc., Bot. 10 (no. 45): 285. 1868; *Mycena citricolor* (Berk. & M.A. Curtis) Sacc., Syll. Fung. 5: 263. 1887.]
- Leucoagaricus melanotrichus* var. *fuligineobrunneus* f. *citrifolius* Courtec. in Doc. mycol. 19 (75): 4. 1989 (ad int., no Latin descr., not valid).
- Macrolepiota citrinascens* Vasas in Annl. hist.-nat. Mus. natn. hung. 81: 46. 1990. Typus 84366 in Herb. Mus. hist.-nat. hung., Budapest.
- Lepiota citrinella* Beeli in Bull. Soc. roy. bot. Belg. 64: 215. 1932, non *Lepiota citrinella* Speg., 1899; *Leucocoprinus beelianus* Heinem. in Bull. Jard. bot. nat. Belg. 47: 83. 1977. Congo.
- Leucocoprinus citrinellus* (Speg.) Raithelh. in Metrodiana 15(1): 9. 1987; *Lepiota citrinella* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 90. ('1898') 1899 (Fungi Arg. novi v. crit.). Argentina.
- Lepiota citriniceps* Murrill in Lloydia 9: 317. 1946. U.S.A., Florida.
- Agaricus (Lepiota) citrinus* Pass. in Nuov. Giorn. bot. ital. 4: 53. 1872, non *Agaricus citrinus* Schaeff., 1762 (= *Amanita citrina* var. *citrina*); *Lepiota citrina* (Pass.) Bres. in Annl.

- mycol. 18: 64. 1920.
 [“*A. citrinus*. Pileo sicco membranaceo-carnoso, campanulato, umbonato, squamoso-floccoso, stipite farcto, bulboso, sursum attenuato, basi et supra anulum pulvere citrino adperso, infra anulum superum persistentem nudo; collario depresso, lamellis latis, confertis, simplicibus, a stipite remotis, citrinis ut totus fungus, una cum floccis pilei et annulo. Ab *A. stramineus* Baglietto *Erb. Crittog. Ital. 1345, Comm. della Soc. Critt. Ital. II, 263*, differt potissimum statura majore et pilei indumento. Nel terricio di castagno, nei vasi dell’Orto botanico. Giugno-luglio”]
 [acc. to Bresadola, 1920. *Annls mycol.* 18: 64. a synonym of *Lepiota lutea* - N.B. that is only a list of synonyms, without discussion, some are definitely wrong]
 [synonym of *Leucocoprinus birnbaumii*]
Lepiota citriodora Dennis in *Kew Bull.* 7: 483. 1952. Trinidad.
Lepiota citrophylla (Berk. & Broome) Sacc., *Syll. Fung.* 5: 57. 1887; *Agaricus citrophyllus* Berk. & Broome in *J. linn. Soc., Bot.* 11: 509. 1871. Lectotypus Thwaites 821 (K). Sri Lanka.
 [type study Pegler, 1972]
 [name misapplied by European authors for *Lepiota xanthophylla* P.D. Orton]
Lepiota citrophylloides Sathe & S.M. Kulk., *Agaricales (Mushrooms) of Karnatake State. Maharashtra Association for the cultivation of Science, Monograph no. 1 Agaricales (Mushrooms) of South West India: 55. (‘1980’) 1981.*
Lepiota claviceps Henn. ???
 [synonym of *Lepiota magnispora*]
Macrolepiota clelandii Grgur., *Larger Fungi South Australia: 443. 1997. Holotypus AD 12378. Australia.*
 [Macrolepiota procera sensu Cleland]
Lepiota clypeolaria (Bull. : Fr.) P. Kumm., *Führ. Pilzk.: 137. 1871; Agaricus clypeolarius* Bull., *Herb. France: pl. 405. 1789; Agaricus clypeolarius* Bull. : Fr., *Syst. mycol.* 1: 21. 1821. – *Agaricus colubrinus* Pers., *Syn. meth. Fung.: 258. 1801; Lepiota colubrina* (Pers.) Gray, *Nat. Arr. Br. Plants* 1: 601. 1821, non *Agaricus colubrinus* Krombh., 1831.– probably *Lepiota ochraceosulfurescens* Locq. ex Bon in *Doc. mycol.* 16 (61): 46. 1985. – *Lepiota clypeolaria* var. *minor* J.E. Lange, *Fl. agar. dan.* 1: 28. 1935 (not valid, no Latin diagn.); *Lepiota clypeolaria* var. *minor* J.E. Lange *Fl. agar. dan.* 5: V. 1940.
 [*Agaricus colubrinus* Krombh., 1831 = *Amanita vittadinii*; fide Bas, 1969]
Lepiota clypeolarioides Rea, *Brit. Basidiomyc.: 69. 1922*
 [based on *Lepiota clypeolaria* sensu auct. plur.]
Lepiota coactilia Beeli in *Bull. Soc. roy bot. Belg.* 59: 104. 1927. Congo.
Leucocoprinus coccineobasalis (Locq.) Locq. in *Bull. mens. Soc. linn. Lyon* 14: 92. 1945;
Leucocoprinus mastoideus subsp. *coccineobasalis* Locq. in *Bull. mens. Soc. linn. Lyon* 14: 46. 1945 (not valid, without Latin diagn.); *Leucocoprinus coccineobasalis* Locq. in *Rev. Mycol.* 17: 54. 1952 (Latin diagn.); *Macrolepiota mastoidea* var. *coccineobasalis* (Locq.) Bon in *Doc. mycol.* 11 (43): 72. 1981.
Lepiota colimensis Murrill in *Mycologia* 3: 82. 1911. Mexico.
 [type study Smith, 1966]
Lepiota collariata Wichanský in *Mykol. Sborn.* 39: 41. 1962. Czechoslovakia. Typus E. Wichanský, 29-X-1961 (PR).
Melanophyllum collariatum Velen., *České Houby* 3: 570. 1921.
Lepiota colliquensis Garrido in *Bibliotheca mycol.* 120: 127. 1988. Chile.
Macrolepiota colombiana Franco-Mol. in *Actualidades biológicas* 21 (70): 14. 1999. Holotypus Franco-M. 1636, HUA. Colombia.

- Lepiota colorada* A.B. Pereira in Iheringia, Bot. 51: 234. 1998. Brazil.
- Lepiota colubrina* (Krombh.) P. Kumm., Führ. Pilzk. 1: 136. 1871; *Agaricus colubrinus* Krombh., Tafeln mykol. W. Krombh.: t.1., f. 10, 11. 1831.
[= *Macrolepiota* spec.]
- Lepiota colubrina* (Pers.) Gray, Nat. Arr. Br. Plants 1: 601. 1821; *Agaricus colubrinus* Pers., Syn. meth. Fung.: 258. 1801.
[synonym of *Lepiota clypeolaria*]
- Agaricus columbicolor* Berk. & Broome in J. linn. Soc., Bot. 11: 503. 1871; *Lepiota columbicolor* (Berk. & Broome) Sacc., Syll. Fung. 5: 59. 1887. Holotypus Thwaites 1208 (K). Sri Lanka.
[type study Pegler, 1972]
- Lepiota columbicolor* Cooke & Masee in Cooke in Grevillea 16: 30. 1887, non *Lepiota columbicolor* (Berk. & Broome) Sacc., 1887; *Lepiota lavandulae* Cooke & Masee in Grevillea 16: 72. 1888.
- Araneosa columellata* Long in Mycologia 33: 353. 1941. U.S.A., Arizona {GAST}
- Agaricus comptuloides* Murrill in Mycologia 4: 297. 1912. U.S.A., Washington, near Seattle.
{*Agaricus*}
- Lepiota concentrica* Murrill in Mycologia 4: 235. 1912, non *Lepiota concentrica* (Gillet) Dumée, 1911. U.S.A., Washington. Type W.A. Murrill 587, collected on the ground in woods near Seattle, Washington, October 20-November 1, 1911.
- Lepiota clypeolaria* var. *concentrica* Gillet, Hyménomycètes: 62. 1874; *Lepiota concentrica* (Gillet) Dumée in L'Amateur de Champignons 5: 36. 1911.
- Lepiota confusa* Rick in Lilloa 1: 332. 1937; *Leucoagaricus confusus* (Rick) Singer in Lilloa 22: 735. 1951. Brazil.
- Lepiota conglobata* A.B. Pereira in Iheringia, Bot. 51: 237. 1998. Brazil.
- Lepiota congolensis* Beeli in Bull. Soc. roy. bot. Belg. 59: 110. 1927. Congo.
- Agaricus congolensis* Beeli in Bull. Soc. roy. bot. Belg. 61: 92. 1928; *Chlorophyllum molybdites* var. *congolense* (Beeli) Heinem., Fl. Icon. Champ. Congo 16: 323. 1967. Congo.
- Pilosace congolensis* Heinem. in Bull. Jardin bot. État Bruxelles 26: 119. 1956. Congo.
[position not clear; annulus absent]
- Lepiota cristata* var. *congolensis* Beeli in Bull. Soc. roy. bot. Belg. 59: 106. 1927. Congo.
- Lepiota echinella* var. *congolensis* Beeli, Fl. iconogr. Champ. Congo 2: 40. 1936, nom. nov. for *Lepiota subcarcharias*. Congo.
- Lepiota friesii* var. *congolensis* Beeli in Bull. Soc. roy. bot. Belg. 59: 104. 1927; *Lepiota acutesquamosa* var. *congolensis* (Beeli) Beeli, Fl. iconogr. Champ. Congo 2: 37. 1936. Congo.
- Lepiota gracilentia* var. *congolensis* Beeli, Fl. iconogr. Champ. Congo 2: 30. 1936 (no Latin diagn.).
- Lepiota meleagris* var. *congolensis* Beeli in Bull. Soc. roy. bot. Belg. 59: 107. 1927. Congo.
- Lepiota montagnei* var. *congolensis* Beeli, Fl. iconogr. Champ. Congo 2: 36. 1936 (without Latin diagn.). Congo.
[see also under *Leucocoprinus submontagnei*]
- Lepiota forquignonii* var. *coniferarum* Bon in Doc. mycol. 11 (43): 41. 1981. France.
- Agaricus (Lepiota) conipes* Berk. in Cooke in Grevillea 16: 105. ('1887') 1888; *Lepiota conipes* (Berk.) Sacc., Syll. Fung. 9: 10. 1891. Indonesia, Java.
- Lepiota conspurcata* (Willd.) Morgan in J. Mycol. 12: 243. 1906; *Agaricus conspurcatus* Willd., Fl. berol. Prodr.: 382. no. 1104. 1787.
[synonym of *Lepiota cristata*]

- Lepiota constricta* (Fr. : Fr.) Rea, Brit. Basidiomyc.: 73. 1922; *Agaricus constrictus* Fr.: Fr., Syst. mycol. 1: 28. 1821; *Armillaria constricta* (Fr. : Fr.) Gillet, Hyménomycètes: 78. 1874; *Tricholoma constrictum* (Fr. : Fr.) Ricken, Blätterp. 1: 329. 1914; *Lyophyllum constrictum* (Fr. : Fr.) Singer in Ann. Mycol. 41: 96. 1943; *Calocybe constricta* (Fr. : Fr.) Singer in Sydowia 5: 47. ('1961') 1962; *Tricholomella constricta* (Fr.: Fr.) Zerova, Atlas Gribiv Ukraini: 84. 1974 (inval.); *Tricholomella constricta* (Fr. : Fr.) Kalamees in Persoonia 14: 446. 1992.
[in *Lyophyllaceae*]
- Cystolepiota constricta* Singer in Singer & Digilio in Lilloa 25: 283. ('1951') 1952. Typus R. Singer T. 173, Argentina, prov. Tucumán, Sierra San Javier, 1-III-1949 (LIL), isotype in MICH.
[Holotype of the genus *Cystolepiota* Singer, 1952.]
- Agaricus continuus* Berk. in London J. Bot. 6: 480. 1847 (Decades of fungi no. 141); *Lepiota continua* (Berk.) Sacc., Syll. Fung. 5: 44. 1887. Sri Lanka.
[fide Pegler 1972 (type study) a synonym of *Leucocoprinus cepistipes* sensu Pegler]
- Lepiota cookei* Hora in Trans. Br. mycol. Soc. 43: 446. 1960. UK.
[synonym of *Lepiota ochraceofulva* P.D. Orton]
- Leucoagaricus bresadolae* var. *cookeianus* Bon in Doc. mycol. 22 (88): 32. 1993. Holotypus no. 90051 in herb. Bon.
[based on *Leucoagaricus bresadolae* var. *biornatus* sensu Cooke, 1883]
- Lepiota friesii* f. *coprinaria* Rick in Lilloa 1: 321. 1937. Brazil.
- Lepiota coprinoides* Beeli, Fl. Icon. Champ. Congo 2: 42. 1936. Congo.
[synonym of *Leucocoprinus birnbaumii*]
- Agaricus coprinopsis* Mont., Cent. Pl. cell. 7: 20. 1856; *Lepiota coprinopsis* (Mont.) Sacc., Syll. Fung. 5: 58. 1887. Brazil.
[type study Pegler (1990): type is a young specimen of *Panaeolus antillarum*; **not in *Agaricaceae***]
- Clarkeinda coprinus* (Fr. : Fr.) Kuntze, Rev. Gen. Pl. 2: 848. 1891; *Amanita coprina* Fr., Obs. mycol. 2: 2. 1818; *Agaricus coprinus* (Fr.) Fr. : Fr., Syst. mycol. 1: 279. 1821; *Chitonia coprinus* (Fr. : Fr.) Sacc., Syll. Fung. 5: 992. 1887. **{Agaricus}**
- Lepiota coprophila* Rick in Egatea 11: 17. 1926. Brazil. on dung.
- Lepiota coriacea* Rick in Egatea 11: 17. 1926. Brazil.
- Lepiota cortinarius* J.E. Lange in Dansk bot. Ark. 2(3): 25. 1915. – *Lepiota dryadicola* Kühner in Cryptog. Mycol. 4: 65. 1983; *Lepiota audreae* var. *dryadicola* (Kühner) Bon in Fl. mycol. eur. 3: 51. 1993; *Lepiota cortinarius* var. *dryadicola* (Kühner) Bon in Doc. mycol. 23 (92): 48. 1994.
- Micropsalliota cortinata* (Heinem.) Heinem. in Bull. Jard. bot. nat. Belg. 58: 542. 1988; *Micropsalliota brunneosperma* var. *cortinata* Heinem. in Bull. Jard. bot. nat. Belg. 50: 52. 1980. **{Agaricus}**
- Lepiota cosici* Velen., České Houby: 212. 1920.
- Lepiota coxheadii* P.D. Orton in Notes R. bot. Gdn Edinb. 41: 589. 1984 (as *coxheadi*). UK.
- Lepiota crassior* Singer in Lilloa 26: 64. 1953, nom. nov. for *Armillaria bresadolae* Rick in Broteria, Bot. 6: 71. 1907; *Amanita bresadolae* (Rick) Rick in Lilloa 1: 308. 1937, non *Lepiota bresadolae* (Schulzer) Sacc. Brazil.
- Macrolepiota procera* var. *patentosquamosa* f. *crassipes* Pázmány in Not. bot. Horti agrobot. Cluj-Napoca 18-19: 18. 1988/1989. Rumania.
- Lepiota crepusculata* E. Horak in Sydowia 33: 138. ('1980') 1981. Papua New Guinea.

- Lepiota cretaceiformis* Murrill in Lloydia 7: 305. ('1944') 1945. U.S.A., Florida. Holotypus F 19352.
- Agaricus cretaceus* Bull., Herb. France: pl. 374. 1788; *Agaricus cretaceus* Bull. : Fr., Syst. mycol., Ind. gen.: 14. 1832, non *Agaricus cretaceus* Pers., 1801, nec *Agaricus cretaceus* Pers. : Fr., 1821; *Pluteus cretaceus* (Bull. : Fr.) Fr., Anteckningar öfver de i Sverige växande ätliga svampar: 34. 1836 {fide Pennycook, 2003}; *Lepiota cretacea* (Bull. : Fr.) Morgan in J. Mycol. 7: 3. 1913; *Leucocoprinus cretaceus* (Bull. : Fr.) Locq. in Bull. mens. Soc. linn. Lyon 14: 93. 1945; *Leucoagaricus cretaceus* (Bull. : Fr.) M.M. Moser, Röhrlinge Blätterpilze, 3. Aufl.: 185. 1967 [but here it is used in a different sense!] (not valid). – *Lepiota cretata* Locq. in Haller in Mitt. aargau. naturf. Ges. 23: 82. 1950 (not valid); *Leucocoprinus cretatus* (Locq.) M.M. Moser, Blätter-, Bauchpilze, 1. Aufl.: 116. 1953 (not valid); *Leucocoprinus cretatus* Locq. ex Lanzoni in Atti XIX Com. scient. naz. Serina (Bergamo): 30-31. 1986.
- Lepiota cretata* Locq. in Haller in Mitt. Aargau. naturf. Ges. 23: 82. 1950 (not valid); *Leucocoprinus cretatus* (Locq.) M.M. Moser, Blätter-, Bauchpilze, 1. Aufl.: 116. 1953 (not valid); *Leucocoprinus cretatus* Locq. ex Lanzoni in Atti XIX Com. scient. naz. Serina (Bergamo): 30-31. 1986.
[synonym of *Leucocoprinus cretaceus* (Bull. : Fr.) Locq.]
- Lepiota cretini* Bataille in Bull. trimest. Soc. mycol. Fr. 47: 108. 1931.
[synonym of *Lepiota grangei*]
- Lepiota cristata* (Bolton : Fr.) P. Kumm., Führ. Pilzk.: 137. 1871; *Agaricus cristatus* Bolton, Hist. Fung. Halifax 1: 7. 1788, non *Agaricus cristatus* Scop., 1774; *Agaricus cristatus* Bolton : Fr., Syst. mycol. 1: 22. 1821; *Lepiotula cristata* (Bolton : Fr.) E. Horak, Syn. Gen. Agar.: 338. 1968. – *Lepiota cristata* var. *felinoides* Bon in Doc. mycol. 11 (43): 34. 1981; *Lepiota felinoides* (Bon) P.D. Orton in Notes R. bot. Gdn Edinb. 41: 591. 1984, non *Lepiota felinoides* Peck, 1900; *Lepiota subfelinoides* Bon & Orton in P.D. Orton in Doc. mycol. 14 (56): 56. ('1984') 1985. – *Lepiota cristata* var. *exannulata* Bon in Doc. mycol. 7 (27-28): 14. 1977 (ad interim, not valid); in Doc. mycol. 11 (43): 34. 1981. – *Lepiota cristata* var. *pallidior* Boud. ex Bon in Doc. mycol. 7 (27-28): 14. 1977 (ad interim, not valid); in Doc. mycol. 11 (43): 34. 1981.
- Agaricus cristatellus* Peck in Ann. Rep. N.Y. St. Mus. nat. Hist. 31: 31. ('1878') 1880; *Lepiota cristatella* (Peck) Sacc., Syll. Fung. 5: 47. 1887. (mossy places in woods, Copake, October). U.S.A., New York.
- Lepiota cristatiformis* Murrill in Lloydia 9: 318. 1946. U.S.A., Florida.
- Lepiota cristatocystidiata* A. Pearson in Trans. Br. mycol. Soc. 33: 291. 1950 (as *Lepiota cristato-cystidiata*); *Leucoagaricus cristatocystidiatus* (A. Pearson) D.A. Reid & Eicker in S. Afr. J. Bot. 59 (4): ??? 1993. South Africa.
- Lepiota cristatoides* Einhell. in Ber. bayer. bot. Ges. 44: 31. 1973. Typus 4.IX.1968, leg. Einhellinger, Lkr. München, Garching, Isarauwald. M. Germany.
[type study Vellinga & Huijser, ('1998') 1999]
- Lepiota cristatula* Rick in Broteria, Bot. 18: 49. 1920; *Leucocoprinus cristatulus* (as *cristatula*) (Rick) Raithelh. in Metrodiana 15 (1): 13. 1987. Brazil.
- Lepiota clypeolaria* var. *crocea* Velen., Novitates mycol.: 51. 1939.
- Leucocoprinus croceovelutinus* Bon & Boiffard in Bull. trimest. Soc. mycol. Fr. 88: 26. 1972; *Leucoagaricus croceovelutinus* (Bon & Boiffard) Bon & Boiffard in Doc. mycol. 6 (24): 45. 1976. Holotypus 12.XI.1966, France, Vendée, "Les sables d'Olonne", Boiffard.
- Agaricus crocodilinus* Murrill in Mycologia 4: 300. 1912. U.S.A., California, Humboldt Co.
{Agaricus}

- Lepiota crustata* Velen., České Houby: 203. 1922.
- Macrolepiota crustosa* Shao & Siang in Journal of North-eastern Forestry Institute 8 (4): 36. 1980. China.
[Shao & Siang, 1980: “Fructificatio solitarius vel gregarius; pileus 6-13 cm. latus, carnosus, mollis e globoso demum explanatus vel depressus, centro mamillis, crustis albo-cinereus vestitus, centro demum fuliginosus, lobo frastoso masso, peripheria facile exutus, exser albo-caro, polygonalibus, fibrillosis; caro alba, fracta demum lutescens, inodora, sapore grato; stipes cavus, levis, albo-griseus, bulbo amplissimo, 17-22 cm. longus, 8-11 mm. crassus; annulus mobilis, fibroso-lacerus; lamellae distantes, latae albae, fractae incarnatae; sporae ovoideo-ellipsoideae, chlorino-hyalinae, 11-14.5 x 6-8 μ ; basidia cylindraneo-clavata, 34-44 x 10-11.9 μ . – Esculenta. Hab: Heilongjiang Dai-ling, ad terram in pinetis, 18, VIII, 1974, Shao Li-ping, Siang Cun-ti, no. 74210 (Typus). Obs.: Species *Macrolepiotae procerae* et *Macrolepiotae rachodese* affinis, a priore stipes minute squamis differt, a posteriore carne aere rubescente et in centro pileo emamillae, sapore parum grato facile dignoscendo differt.”]
[N.B. – their *M. rachodes* is a species of *Macrolepiota* s.str.]
- Leucocoprinus dolichaulus* var. *cryptocyclus* Pat. in Bull. trimest. Soc. mycol. Fr. 29: 215. 1913;
Lepiota dolichaula var. *cryptocyclus* (Pat.) Sacc. & Trotter, Syll. Fung. 23: 23. 1925. Vietnam.
[type study Z.L. Yang, 2000; synonym of *Macrolepiota dolichaula* (Berk. & Broome) Pegler & Rayner]
- Leucoagaricus crystallifer* Vellinga in Persoonia 17: 475. 2000; *Sericeomyces crystallifer* (Vellinga) Bon in Doc. mycol. 31 (121): 22. 2001 (as *Sericeocybe crystallifer*); see Doc. mycol. 31 (123): 56. 2002. The Netherlands.
- Leucoagaricus crystalliferoides* T.K.A. Kumar & Manim. in Mycotaxon 108: 395. 2009. India, Kerala State. MycoBank MB512337.
- Lepiota cuculliformis* (Fr.) Sacc., Syll. Fung. 5: 54. 1887; *Agaricus cuculliformis* Fr., Fungi natal.: 4. 1848, in K. ved. Ak. Handl. 124. 1848.
[type not at S or UPS]
- Agaricus cultorum* Berk. & M.A. Curtis in Ann. Mag. nat. Hist., Ser. II, 12: 418. 1853; *Lepiota cultorum* (Berk. & M.A. Curtis) Sacc., Syll. Fung. 5: 35. 1887. U.S.A., South Carolina.
- Lepiota cuneatospora* Kauffman in Papers Mich. Acad. Sci., Arts Letters 4: 332. 1924. U.S.A., Maryland.
- Agaricus cuniculicola* Kerrigan in Mycotaxon 34: 124. 1989. U.S.A., Colorado. {**Agaricus**}
- Lepiota cupressea* Burl. in Mycologia 37: 53. 1945; *Leucoagaricus cupresseus* (Burl.) Boisselet & Guinb. in Bull. Féd. Ass. mycol. médit., n.S. 19: 34. 2001. U.S.A., California, Point Lobos, on the ground under Monterey cypress trees. Type 9 Mar. 15-1937.
[Burlingham, 1945: “Pileo primo convexo deinde plano, ab sepia (305 t-1) ad brunneum-rufum colorem (302) margine pallescente, sicco, primo pruinoso, deinde floccoso-areolato extra discum; carne rubente, postea umbrina (301), primo miti et dulci, deinde tarde acri; margine albo et subtiliter pubescente; lamellis primo albis, postea cremeis, deinde salmonicis, postremum sepiosis, remotis, inaequalibus, nonnullis ad stipitem furcatis; sporis albidulis (9 t-1 to 2), ellipsoidis, uniguttulatis, 7.5-9.5 μ x 4.5-5 μ ; stipite albo, rubescente cum vulneratus est, deinde umbrino, subtiliter fibrato-flocculoso, bulboso, firmo, postea cavo, 5-7.5 cm. x .8-1.5 cm. ad apicem, 1.5-2.2 cm. ad basim; annulo supero, albo, sed cum vulneratus est rubescente, deinde fuliginoso et fusciori margine, pendulo et persistente.”]
[type study Sundberg, 1976; type in NY]

- Agaricus cupressophilus* Kerrigan in Kerrigan, Callac & Parra in Mycologia 100: 883. 2008. U.S.A., California. Type SFSU. {Agaricus}
- Agaricus cupreus* Schulzer in Verh. k.k. zool.-bot. Ges. Wien 27: 112. 1877, non *Agaricus cupreus* Secr., 1833 (not valid), nec *Agaricus cupreus* (Krombh.) Krombh., 1846 (= *Russula cuprea*); *Agaricus bresadolae* Schulzer in Hedwigia 24: 132. 1885 (nom. nov.). [see under *Ag. bresadolae*]
- Lepiota cuprobrunnea* Raithelh. in Metrodiana 16: 41. 1988; *Leucoagaricus cuprobrunneus* (Raithelh.) Raithelh. in Metrodiana 17: 76. 1989. Holotypus no. 33-88 in herb. Raithelh., Killesberg/Stuttgart/BRD, 2.X.1988. [type study Gminder, 1999: synonym of *Lepiota helveola*]
- Lepiota cutifracta* A. Pearson in Trans. Br. mycol. Soc. 33: 289. 1950. S. Africa. [type study Reid & Eicker, 1993]
- Lepiota cutiscamosa* A.B. Pereira in Iheringia, Bot. 51: 236. 1998. Brazil.
- Lepiota cyanea* Rick in Broteria, Bot. 18: 52. 1920. Brazil. [Rick, 1920: "*Lepiota cyanea*. Inter sarmenta silvae. Statua *L. clypeolariae*; pileo carnoso, cyaneo, in squamas lanuginosas fere liberis diffracto, 6 cm lato, centro glabro, obscuriore; stipite 10 cm alto, ex livido furfuraceo, fragili, cavo; lamellis valde inaequalibus, confertissimis, remotis, decolorantibus; annulo fugace; sapore *Psalliotae campestris*. Colore et squamis egregie distincta species"]
- Lepiota cyanescens* Beeli in Bull. Soc. roy. bot. Belg. 59: 109. 1927. Congo. [Beeli, 1927: "Chapeau charnu, campanulé, convexe plan, ombonné, glabre, olive pale, blanchâtre vers la marge, 6 cm. diam.; pied distinct du chapeau, cylindrique, bulbeux globuleux à la base, plein, glabre, blanc grisâtre, 10-11 x 0,7 cm.; base 2 cm.; anneau membraneux fragile, supère tombant; lamelles libres, peu distantes du pied, blanches; spores ellipsoïdes, hyalines, 8-9 x 6.5-7 µ; chair blanche, celle du chapeau bleuit au contact de l'air"]
- Lepiota cyanozonata* Longyear in Rep. Mich. Acad. Sc. 3: 57. ('1901') 1902. U.S.A., Michigan.
- Lepiota cycadearum* Henn. in Verh. bot. Ver. Prov. Brandenburg 40: 144. 1898. GFR, hothouse. Typus in B.
- Lepiota cygnea* J.E. Lange, Fl. agar. dan. 5: V. 1940 (Fl. agar. dan. 1: 35. 1935, without Latin diagn.); *Pseudobaeospora cygnea* (J.E. Lange) Locq. in Bull. trimest. Soc. mycol. Fr. 68: 169. 1952; *Leucocoprinus cygneus* (J.E. Lange) Bon in Doc. mycol. 8 (30-31): 70. 1978; *Sericeomyces cygneus* (J.E. Lange) Heinem. in Bull. Jard. bot. nat. Belg. 48: 405. 1978; *Cystolepiota cygnea* (J.E. Lange) M.M. Moser in Gams, Kl. Kryptog.Fl. 2b/b, Ed. 4: 236. 1978.
- Lepiota cygneoaffinis* Pilát in Acta Mus. nat. Prag. 11B, 2: 5. 1955; *Sericeomyces cygneoaffinis* (Pilát) Heinem. in Bull. Jard. bot. nat. Belg. 48: 405. 1978.
- Hymenagaricus cylindrocystis* Heinem. & Little Flower in Bulletin du Jardin Botanique National de Belgique 54(1-2): 156. 1984. Kerala, India. {Agaricus}
- Lepiota cylindrospora* R. Heim in Rev. Mycol., Paris 33: 381. ('1968') 1969. Gabon.
- Sericeomyces cylindrosporus* Contu in Cryptogamie, Mycol. 12: 8. 1991. ad interim, based on *Leucoagaricus menieri* sensu Singer in Mycopath. Mycol. appl. 34: 431. 1968; without Latin descr.
- Micropsalliota cymbispora* Heinem. & Little Flower in Bull. Jard. bot. nat. Belg. 53(1/2): 78. 1983. India, Kerala. {Agaricus}
- Lepiota cystidioresinosa* Garrido in Bibliotheca mycol. 120: 127. 1988. Chile.
- Amanita cystidiosa* O.K. Mill. & Lodge in Miller, Lodge & Baroni in Mycologia 92 : 559. 2000. Puerto Rico. Type in NY.

- Cystolepiota cystidiosa* (A.H. Sm.) Bon in Doc. mycol. 11 (43): 26. 1981; *Lepiota cystidiosa* A.H. Sm. in Papers Mich. Acad. Sci., Arts Letters 27: 58. ('1941')1942. – *Lepiota luteicystidiata* D.A. Reid in Nova Hedwigia 13, Suppl. (Fung. rar. Ic. col. 2): 9. 1967; *Cystolepiota luteicystidiata* (D.A. Reid) Bon in Doc. mycol. 6 (24): 43. 1976. – *Lepiota lycoperdoides* Kreisel in Wiss. Z. Ernst Moritz Arndt-Univ. Greifswald 16: 238. 1967; *Cystolepiota luteicystidiata* var. *lycoperdoides* (Kreisel) Bon in Doc. mycol. 11 (43): 26. 1981.
 [type studies Vellinga & Huijser, 1998]
 [synonym of *Cystolepiota fumosifolia* (Murrill) Vellinga; see Vellinga, 2007b]
- Micropsalliota cystidiosa* Natarajan & Manjula in Mycologia 74: 135. 1982. {Agaricus}
- Lepiota tepeitensis* var. *cystidiosa* K. Narayanan bis & K. Natarajan in Kavaka 32: 157. ('2004') 2005.
- Cystolepiota cystophora* (Malençon) Bon in Doc. mycol. 6 (24): 43. 1976; *Lepiota cystophora* Malençon in Malençon & Bertault, Champ. sup. Maroc 1: 124. 1970. Morocco. Typus in herb. Malençon no. 1110.
- Lepiota cystophoroides* Joss. & Rioussset in Bull. mens. Soc. linn. Lyon 41: 137. 1972. Typus in herb. Josserand.

- Leucoagaricus dacrytus* Vellinga in Vellinga & Balsley in Mycotaxon 113: 74. 2010. USA, New Jersey.
- Agaricus daucipes* Berk. & Mont. in Mont., Syll. Gen. Spec. cryptog.: 96. 1856; *Amanitopsis daucipes* (Berk. & Mont.) Sacc., Syll. Fung. 5: 26. 1887; *Lepiota daucipes* (Berk. & Mont.) Morgan in J. Mycol. 13: 12. 1907; *Amanita daucipes* (Berk. & Mont.) Lloyd in Mycol. Writings 1: 8. 1898.
[in *Amanitaceae*; for more synonyms see Bas, 1969.]
- Leucoagaricus deceptivus* (Grilli) Consiglio & Contu in Micol. Veget. Medit. 19 (1): 62. 2004; *Sericeomyces deceptivus* (Grilli) Bon in Doc. mycol. 22 (88): 32. 1993; *Leucoagaricus medioflavoidus* var. *deceptivus* Grilli in Micol. veget. medit. 4: 3. 1989. Italy.
- Lepiota decipiens* Schwalb, Das Buch der Pilze: 110. 1891.
- Leucoagaricus decipiens* Contu, Vizzini & Vellinga in Vellinga et al. in Mycologia 102(2). 2010 (in press).
- Lepiota decolorans* Gramb. in Pilz- u. Kräuterfreund 3: 225. 1920.
- Lepiota decorata* Zeller in Mycologia 21: 103. 1929; nom. nov. for *Lepiota pulcherrima* Zeller in Mycologia 14: 185. 1922, non *Lepiota pulcherrima* P.W. Graff, 1914. Type J.W. Severy & S.M. Zeller 2123, Oregon, Corvallis.
[type study Smith, 1966; Vellinga 2007a]
[Zeller, 1922: "Pileus 6-12 cm. broad, subhemispheric at first, then convex to quite plane, moderately fleshy, young buttons quite solid, acajon-red to Vandyke red at the center, venetian or alizarine-pink on the margin, often fading to a silvery livid-pink in age; cuticle on margins of older specimens split; surface appearing velvety because of the innate-pubesence towards the center, nearly glabrous or silky on the margin or squamulose when closely covered by another pileus, becoming slightly appressed-scaly in age due to growth. Margin sterile. Flesh white, rather thin except disk. Gills free, white, close, broad, rounded behind, edges even. Stem 5-10 cm. long, 8-12 mm. thick, equal or tapering upward, slightly bulbous, peronate by a thin membrane colored like this pileus about one half to two thirds of the way up to the rather large, flaring, rather fleshy persistent annulus, white within, white to pinkish above the annulus. Spores smooth, white, oblong, 3-4.5 x 5-8 μ , usually uniguttulate. Pleasant flavor. Odor mildly farinescens."]
[a probable synonym is *Leucoagaricus idae-fragum* Guinb., Boisselet & G. Dupuy in Bull. trimest. Soc. mycol. Fr. 114 (3): 14. 1998.]
- Psalliota decorata* F.H. Møller in Friesia 4: 48. 1950; *Agaricus decoratus* (F.H. Møller) Pilát in Acta Mus. natn. Prag. 7B (1): 12. 1951, non *Agaricus decoratus* Lindgr., 1845; *Agaricus decoratus* (F.H. Møller) F.H. Møller in Friesia 4: 203. 1952 (superfluous comb.); *Agaricus stigmaticus* Courtec. in Doc. mycol. 34 (135-136): 52. 2008, nom. nov. {*Agaricus*}
- Leucopholiota decorosa* (Peck) O.K. Mill., T.J. Volk & Bessette in Mycologia 88: 138. 1996; *Agaricus decorosus* Peck in Bull. Buffalo Soc. nat. Sci. 1: 42. 1873; *Tricholoma decorosum* (Peck) Sacc., Syll. Fung. 5: 111. 1887; *Cortinellus decorosus* (Peck) Murrill, N. Amer. Fl. 10 (1): 32. 1914; *Tricholomopsis decorosa* (Peck) Singer in Mycologia 35: 152. 1943; *Armillaria decorosa* (Peck) A.H. Sm. & Walters in Mycologia 39: 622. 1947; *Floccularia decorosa* (Peck) Bon & Courtec. in Doc. mycol. 18 (69): 38. 1987.
[N.B. Index Fungorum ascribes the combination of *Armillaria decorosa* to A.H. Sm. alone.]
[*Lepiota lignicola* is considered a synonym by many authors, but see Harmaja, 2002 &

2010]

[not in *Agaricaceae*]

Lepiota delicata (Fr. : Fr.) P. Kumm., Führ. Pilzk.: 136. 1871; *Agaricus delicatus* Fr. : Fr., Syst. mycol. 1: 20. 1821; *Limacella delicata* (Fr. : Fr.) Earle in Bull. N.Y. bot. Gdn 5: 447. 1909.

[in *Amanitaceae*]

Leucocoprinus delicatulus T.K.A. Kumar & Manim. in Mycotaxon 108: 415. 2009. India, Kerala State. Mycobank MB512342.

Agaricus deliciolum Berk. in Hook. J. Bot. 2: 44. 1850 (Decades of fungi no. 244); *Lepiota deliciolum* (Berk.) Sacc., Syll. Fung. 5: 44. 1887. India, Darjeeling, 8,000 feet. May.

Lepiota demangei Pat. in Bull. trimest. Soc. mycol. Fr. 23: 78. 1907. Vietnam.

[type study Z.L. Yang, 2000]

Gyrophragmium delilei Mont. in Anns Sci. Nat., Bot., Sér. II, 20. 1843. {*Agaricus*}

Agaricus demisannulus Secr., Mycogr. Suisse 1: 54. 1833 (nom. illegit.); *Lepiota demisannula* (Secr.) Sacc., Syll. Fung. 5: 69. 1887; *Drosella demisannula* (Secr.) Locq. in Bull. mens. Soc. linn. Lyon 23: 54. 1954 (not valid); *Chamaemyces demisannulus* (Secr.) M.M. Moser, Röhrlinge Blätterpilze, 3. Aufl.: 194. 1967 (nom. invalid).

[synonym of *Chamaemyces fracidus*]

Lepiota densesquamosa Velen., České Houby: 206. 1920.

[synonym of *Leucoagaricus nympharum*]

Leucoagaricus densifolius (Gillet) Babos in Szujko-Lacza (ed.), Flora of the Hortobágy National Park (Budapest): 82. 1982; *Leucoagaricus densifolius* (Gillet) Bon in Doc. mycol. 12 (48): 44. ('1982') 1983 (superfluous); *Lepiota densifolia* Gillet, Hyménomycètes: 68. 1874.

[synonym of *Leucoagaricus leucothites*; see there for more synonyms]

Lepiota denticulata Raithelh., Hongos Argentina 1: 144. 1974, non *Lepiota denticulata* Speg., 1899; *Lepiota subornata* Raithelh., 1985, nom. nov. Argentina.

Leucoagaricus denticulatus (Speg.) E. Horak in Darwiniana 14: 371. 1967; *Lepiota denticulata* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 91. ('1898') 1899. (Fungi Arg. nov. v. crit.). Argentina.

Leucocoprinus denudatus (Rabenh.) Singer in Lilloa 22: 424. ('1949') 1951; *Agaricus denudatus* Rabenh. in Hedwigia 6: 45. 1867; *Lepiota denudata* (Rabenh.) Sacc., Syll. Fung. 5: 52. 1887.

[Rabenhorst, 1867: 45: "Totus pallide sulphureus (excepto umbone paulo obscuriore, fuscescente), nudus, plus minus laevigatus. Stipes subaequalis, laevis, intus laxe floccosus, annulos tenerrimo fugacissimo. Pileus vix umbonatus, submembranaceus, initio furfuraceo-flocculosus, postea nudus, laevis; lamellae sublatae, approximatae; sporae albidae, ovoideae, utroque polo obtusissimae, rotundatae, diametro duplo (circiter) longiores (plerumque 1/240-1/106 mm. longae) Reichenberg in Bohemia, ad cortices vaporarios."]

[synonym of *Leucocoprinus straminellus*]

Agaricus (Lepiota) depravatus Berk. & M.A. Curtis in Proc. Amer. Acad. Arts Sci. 4: 111. 1858 (N. Pac. Expl. n. 2.); *Lepiota depravata* (Berk. & M.A. Curtis) Sacc., Syll. Fung. 5: 35. 1887. Bonin Islands.

Endoptychum depressum Singer & A.H. Sm. in Brittonia 10: 216. 1958; *Agaricus inapertus* Vellinga in Vellinga et al., in Mycologia 95: 453. 2003, nom. nov., non *Agaricus depressus* Léveillé, 1843. Type A.H. Smith 46579 (MICH), U.S.A., Idaho. {SEC}

{*Agaricus*}

- Agaricus deserticola* G. Moreno, Esqueda & Lizárraga in Mycotaxon 112: 292. 2010, nom. nov. for *Longula texensis* (Berk. & M.A. Curtis) Zeller.
- Agaricus destinatus* Britzelm., Rev. Hymenomyc. 1: 3. 1898; *Lepiota destinata* (Britzelm.) Sacc. & Traverso, Syll. Fung. 21: 12. 1912.
- Macrolepiota detersa* Z.W. Ge, Zhu L. Yang & Vellinga in Fungal Diversity 45: 83. 2010. China.
[also known from Japan]
- Leucoagaricus dextrinoidesporus* (Z. S. Bi) Zhu L. Yang in Mycotaxon 100: 280. 2007 (Mycobank 510604); *Chamaeota dextrinoidespora* Z. S. Bi in Bull. Bot. Res. 8 (1): 98, figs. 1-5 (1988). China.
[type study Yang, 2007]
[probably a synonym of *La. meleagris*]
- Leucoagaricus dialeri* (Bres. & Torrend) D.A. Reid in Contr. Bolus Herb. 7: 161. 1975; *Psalliota dialeri* Bres. & Torrend in Broteria 4: 217. 1905; *Agaricus dialeri* (Bres. & Torrend) Sacc. & Trotter in Syll. Fung. 21: 206. 1912. Type in S, on the ground, near Kaffir dwelling (Palhotas), near Meruru Mission, District of Zubo, Mozambique, leg. Rev. P. Aloysius Gonzaga Dialer.
- Lepiota diffracta* Pat. & Gaillard in Bull. Soc. mycol. Fr. 4: 10. 1888. Venezuela.
[type not in FH, not found in PC]
- Lepiota discipes* Henn. in Engler bot. Jahrb. 30: 56. 1901. Cameroon.
[synonym of *Termitomyces letestui* according to Turnbull & Watling, 1999; in [Lyophyllaceae](#)]
- Leucocoprinus discoideus* (Beeli) Heinem. in Bull. Jard. bot. nat. Belg. 47: 84. 1977; *Lepiota discoidea* Beeli, Fl. Icon. Champ. Congo 2: 33. 1936.
- Lepiota discolorata* Cleland in Trans. Proc. Roy. Soc. South Australia 55: 153. 1931. Australia.
[type study Grgurinovic, 1997, see also *Lepiota booloola* Grgur.]
- Agaricus discretus* Fr. in Nova Acta Soc. Sci. Upsal. III 1: 27. 1851; *Hiatula discreta* (Fr.) Mont. in Ann. Sci. nat., Bot. Sér. IV, 1: 107. 1854.
[Dennis (1952) explained why he included *Hiatula* in *Lepiota*, and he gave info on the species *Ag. discretus*, but he does not make the combination *Lepiota discreta*]
[Montagne mentioned under *Hiatula squamulosa* that *A. discretus* and *A. benzonii* also belong to *Hiatula* – does this count as a valid combination in *Hiatula*?]
- Lepiota disseminata* E. Horak in Sydowia 33: 120. ('1980') 1981. Papua New Guinea.
- Lepiota brevipes* var. *distincta* T.K.A. Kumar & Manim. in Mycotaxon 107: 119. 2009. India, Kerala State.
- Leucocoprinus croceovelutinus* var. *diversisporus* D.A. Reid in Mycol. Research 94: 658. 1990. GB. Holotypus GB, Surrey, Mickleham, 10-X-1983, A. Henrici (nom. inval., art. 37.5; herbarium not mentioned).
- Macrolepiota dolichaula* (Berk. & Broome) Pegler & Rayner in Kew Bull. 23: 365. 1969;
Leucocoprinus dolichaulus (Berk. & Broome) Pat. in Bull. trimest. Soc. mycol. Fr. 29: 215. 1913; *Leucocoprinus dolichaulus* (Berk. & Broome) Boedijn in Sydowia 5: 221. 1951 (superfl. comb.); *Lepiota dolichaula* (Berk. & Broome) Sacc., Syll. Fung. 5: 32. 1887; *Agaricus dolichaulus* Berk. & Broome in Trans. linn. Soc., Bot. 27: 150. 1870. Holotypus Thwaites 694 (K). – *Agaricus beckleri* Berk. in J. linn. Soc., Bot. 13: 156. ('1872') 1873; *Lepiota beckleri* (Berk.). Sacc., Syll. Fung. 5: 56. 1887. – *Lepiota stenophylla* (Cooke & Massee) Sacc. in Syll. Fung. 9: 4. 1891; *Agaricus stenophyllus* Cooke & Massee in Grevillea 15: 98. 1887. – *Leucocoprinus dolichaulus* var. *cryptocyclus* Pat. in Bull. trimest. Soc. mycol. Fr. 29: 215. 1913.

[type study Pegler, 1972]

[see Aberdeen, 1962 for synonym of *L. stenophylla* with *M. dolichaula*]

[see Yang, 2000 for synonym of *Lc. dolichaulus* var. *cryptocyclus* with *M. dolichaula*]

Lepiota dryadicola Kühner in Cryptog. Mycol. 4: 65. 1983; *Lepiota audreae* var. *dryadicola* (Kühner) Bon in Fl. mycol. eur. 3: 51. 1993; *Lepiota cortinarius* var. *dryadicola* (Kühner) Bon in Doc. mycol. 23 (92): 48. 1994. France.

[synonym of *Lepiota cortinarius*]

Lepiota drymonia Morgan in J. Mycol. 13: 13. 1907. U.S.A., Vermont.

[synonym of *Amanita onusta* (Howe) Sacc., 1891; see Bas, 1969; in *Amanitaceae*]

Lepiota dryophila Murrill in N. Amer. Fl. 10 (1): 59. 1914. U.S.A., Louisiana.

[type study Smith, 1966]

Lepiota dubia Rick in Lilloa 1: 340. 1937. Brazil.

Lepiota dumetorum Velen., Novitates mycol.: 53. 1939. Czech Republic.

Montagnites dunalii Fr., Fl. Scan.: 339. 1836; *Gyrophragmium dunalii* (Fr.) Zeller, non *Agaricus dunalii* DC., 1815; *Agaricus aridicola* Geml, Geiser & Royse in Mycol. Progress 3: 172.

2004 (nom. nov.). {SEC} {Agaricus}

Leucoagaricus dyscritus Vellinga in Mycotaxon 112: 416. 2010.

- Lepiota earlei* Peck in Bull. Torrey bot. Cl. 25: 368. 1898. U.S.A., Alabama.
 [Peck, 1898: Pileus thin, broadly convex or nearly plane, umbonate, adorned with minute scurfy brown scales and whitish hairs, the margin striate and somewhat lacerate, whitish; the umbo glabrous, brown; lamellae numerous, thin, close, subventricose, free, white; stem slender, fibrous, hollow, tapering upward, enlarged at the base, the flesh changing to reddish where wounded; spores elliptical, 10-12.5 μ long, 6-7.5 μ broad. Pileus 5-7.5 cm. broad; stem 5-7.5 cm. long, 4-6 mm. thick
 Newly cleared land; caespitose. August. Earle. ('A very pretty and delicate species.' It is smaller than *L. Americana* and has larger spores. The change in color is limited to wounded places.)
- Agaricus earlei* Murrill in Mycologia 10: 79. 1918. Cuba. {Agaricus}
- Agaricus earochroa* Berk. & Broome in J. linn. Soc., Bot. 11: 505. 1871; *Lepiota earochroa* (Berk. & Broome) Sacc., Syll. Fung. 5: 61. 1887. Holotypus Thwaites 893 (K).
 [synonym of *Micropsalliota erythrospila* (Berk. & Broome) Pegler, 1986] {Agaricus}
- Lepiota echinacea* J.E. Lange, Fl. agar. dan. 5: V. 1940; *Lepiota echinacea* J.E. Lange, Fl. agar. dan. 1: 26. 1935 (not valid, no Latin diagn.); *Cystolepiota echinacea* (J.E. Lange) Knudsen in Bot. Tidsskr. 73: 127. 1978; *Echinoderma echinaceum* (J.E. Lange) Bon in Doc. mycol. 21 (82): 63. 1991. Denmark.
- Melanophyllum echinatum* (Roth. : Fr.) Singer in Lilloa 22: 436. ('1949') 1951.
 [synonym of *M. haematospermum* (Bull. ex Pers. : Fr.) Kreisel]
- Lepiota echinella* Quél. & G.E. Bernard in Bull. Soc. mycol. Fr. 4: LI. 1888; *Cystoderma echinellum* (Quél. & G.E. Bernard) Singer in Botanicheskii Materialy 4(10-12): 12. 1936. France.
 [not a *Cystoderma* species]
- Agaricus echinocephalus* Vittad., Descr. Fungi mang.: 346. 1835, nom. nov. for *Hypophyllum tricuspidatum* Paulet; *Amanita echinocephala* (Vittad.) Quél., Champ. Jura Vosges 1: 321. 1872; *Lepiota echinocephala* (Vittad.) Gillet, Hyménomycètes: 69. 1874.
 [synonym of *Amanita solitaria* (Bull. : Fr.) Mérat, 1836; see Bas, 1969 for more synonyms; in *Amanitaceae*]
- Agaricus echinodermatus* Cooke & Massee in Cooke in Grevillea 16: 30. 1887; *Lepiota echinodermata* (Cooke & Massee) Sacc., Syll. Fung. 9: 8. 1891. Nouvelle Calédonie.
 [synonym of *Cyptotrampa asprata*, not in *Agaricaceae*]
- Schulzeria echinulata* Beeli in Bull. Soc. roy. bot. Belg. 66: 15. 1933. Congo.
- Lepiota ecitodora* G.F. Atk. in J. Mycol. 8: 115. 1902. U.S.A., New York.
- Lepiota efibulis* Knudsen in Bot. Tidsskr. 75: 151. 1980; *Echinoderma efibule* (Knudsen) Bon in Doc. mycol. 21 (82): 62. 1991. Greenhouse, GB.
- Leucocoprinus elaeidis* (Beeli) Heinem. in Bull. Jard. nat. bot. Belg. 47: 84. 1977; *Lepiota elaeidis* Beeli in Bull. Soc. roy. bot. Belg. 59: 108. 1927 (as *Lepiota elaidis*). Congo.
- Lepiota elaiophylla* Vellinga & Huijser in Boll. Gruppo micol. G. Bresadola, n.S. 40 (2-3): 462. ('1997') 1998. in greenhouse, the Netherlands, type in L.
 [erroneously called *Lepiota xanthophylla* by European authors]
- Lepiota elata* Copel. in Annales mycol. 3: 29. 1905. Philippine Islands.
- Micropsalliota elata* Heinem. in Bull. Jard. bot. nat. Belg. 58: 542. 1988. {Agaricus}
- Lepiota zeyheri* var. *elegantula* Sacc. in Syll. Fung. 5: 33. 1887. type in woods near Somerset-East, Cape of Good Hope (MacOwan), near Bazuja, Caffraria. South Africa.
 [regarded as synonym of *M. zeyheri* var. *telosa* by Reid, 1975: 136]

- Agaricus emplastrum* Cooke & Masee in Cooke, Ill. Brit. Fungi 8: pl. 1164 (1106). 1890;
Lepiota emplastrum (Cooke & Masee) Sacc., Syll. Fung. 9: 8. 1891; *Agaricus emplastrum* Cooke & Masee in Grevillea 18: 51. 1899. UK.
 [see Hora, 1960, but also De Kok & Vellinga, 1998]
- Micropsalliota endophaea* Heinem. in Bull. Jard. bot. nat. Belg. 58: 543. 1988. {Agaricus}
- Lepiota engleriana* Henn. in Sacc., Syll. Fung. 9: 7. 1891. Greenhouse Berlin.
- Agaricus entibigae* K.R. Peterson, Desjardin & Hemmes in Sydowia 52: 224. 2000. U.S.A., Hawaii. {Agaricus}
- Agaricus epicharis* Berk. & Broome in J. linn. Soc., Bot. 11: 504. 1871; *Lepiota epicharis* (Berk. & Broome) Sacc., Syll. Fung. 5: 60. 1887. Holotypus Thwaites 1161 (K). Sri Lanka.
 [type study Pegler, 1972]
- Hymenagaricus epipastus* (Berk. & Broome) Heinem. & Little Flower in Bulletin du Jardin Botanique National de Belgique 54(1-2): 166. 1984; *Agaricus epipastus* Berk. & Broome in J. linn. Soc., Bot. 11: 553. 1871; *Stropharia epipasta* (Berk. & Broome) Sacc., Syll. Fung. 5: 1018. 1887. – *Agaricus subcitrinus* Berk. & Broome in J. linn. Soc., Bot. 11: 553. 1871; *Stropharia subcitrina* (Berk. & Broome) Sacc., Syll. Fung. 5: 1018. 1887. – *Agaricus hemichlorus* Berk. & Broome in J. linn. Soc., Bot. 11: 511. 1871. Sri Lanka.
 {Agaricus}
 [*Agaricus hemichlorus* is a possible synonym according to Heinemann & Little Flower, 1984]
 [compare *Hymenagaricus alphitochrous*]
- Xanthagaricus erinaceus* (Heinem. & Little Flower) Little Flower, Hosag. & T.K. Abraham in New Botanist 24: 96. 1997; *Hymenagaricus erinaceus* Heinem. & Little Flower in Bulletin du Jardin Botanique National de Belgique 54(1-2): 178. 1984. India, Kerala.
 {Agaricus}
- Lepiota erinana* Dennis in Kew Bull. 7: 484. 1952. Trinidad.
- Sericeomyces erioderma* (Malençon) Contu in Cryptog., Mycol. 12: 4. 1991; *Leucoagaricus erioderma* (Malençon) Bon in Doc. mycol. 11 (43): 53. 1981; *Sericeomyces serenus* var. *erioderma* (Malençon) Heinem. in Bull. Jard. nat. bot. Belg. 48: 403. 1978; *Lepiota serena* var. *erioderma* Malençon in Malençon & Bertault, Fl. Champ. sup. Maroc 1: 152. 1970. Morocco.
- Lepiota eriophora* Peck in Bull. Torrey bot. Club 30: 95. 1903; *Lepiota echinella* var. *eriophora* (Peck) J.E. Lange, Fl. agar. dan. 1: 27. 1935; *Cystolepiota eriophora* (Peck) Knudsen in Bot. Tidsskr. 73: 127. 1978; *Echinoderma eriophorum* (Peck) Bon in Doc. mycol. 21 (82): 63. 1991. U.S.A., West Virginia.
- Agaricus eriphaeus* Berk. & Broome in J. linn. Soc., Bot. 11: 513. 1871; *Lepiota eriphaea* (Berk. & Broome) Sacc., Syll. Fung. 5: 65. 1887. Holotypus Thwaites 836 (K). Sri Lanka.
 [type study Pegler, 1972]
- Lepiota erminea* (Fr. : Fr.) P. Kumm., Führ. Pilzk.: 136. 1871; *Agaricus ermineus* Fr. : Fr., Syst. mycol. 1: 22. 1821. – *Lepiota clypeolaria* var. *alba* Bres., Fungi trident. 1: 15. 1882; *Lepiota alba* (Bres.) Sacc., Syll. Fung. 5: 37. 1887, non *Lepiota alba* Beeli, 1932.
- Leucocoprinus pilatianus* var. *erubescens* Babos in Beih. Sydowia 8: 37. 1979; *Leucoagaricus badhamii* var. *erubescens* (Babos) Bon in Doc. mycol. 11 (43): 61. 1981; *Leucoagaricus erubescens* (Babos) Bon in Doc. mycol. 23 (89): 61. 1993.
- Leucoagaricus erythrellus* (Speg.) Singer in Beih. Nova Hedwigia 29: 162. 1969; *Lepiota erythrella* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 93. ('1898') 1899. Argentina. (Fungi Arg. nov. v. crit.)

- Lepiota erythrogramma* (Berk. & Broome) Sacc., Syll. Fung. 5: 54. 1887; *Agaricus erythrogrammus* Berk. & Broome in J. linn. Soc., Bot. 11: 498. 1871. Holotypus Thwaites 1202 (K). – *Lepiota alborussea* (Berk. & Broome) Sacc., Syll. Fung. 5: 55. 1887; *Agaricus alborusseus* Berk. & Broome in J. linn. Soc., Bot. 11: 504. 1871. Holotypus Thwaites 1183 (K). Sri Lanka.
[type studies Pegler, 1972, but note that clamp connections are absent in the type of *L. erythrogramma* (Yang, pers. comm., 2008)]
- Leucoagaricus erythropaeus* Vellinga in Vellinga et al. in Mycologia 102: 450. 2010. CA, U.S.A.
[misapplied name is *Lepiota roseifolia* sensu western North American authors]
- Lepiota erythropphylla* Pat. in Bull. Mus. natn. Hist. nat., Paris 30: 529. 1924. in Mém. Acad. Malgache 6: 27. 1928. Madagascar.
[type in PC gen. herb.]
- Lepiota brunnescens* var. *erythropus* Rick in Broteria, Ser. bot. 24: 98. 1930. Brazil.
- Micropsalliota erythrospila* (Berk. & Broome) Pegler in Kew Bull. add. Ser. 12: 331. 1986; *Agaricus erythrospilus* Berk. & Broome in J. linn. Soc., Bot. 11: 553. 1871; *Stropharia erythrospila* (Berk. & Broome) Sacc., Syll. Fung. 5: 1019. 1887; *Psalliota erythrospila* (Berk. & Broome) Petch in Ann. roy. bot. Gard., Peradeniya 6: 321. 1917. Sri Lanka.
{Agaricus}
[lots of synonyms, according to Pegler, 1986]
- Agaricus erythrostrictus* Berk. & Broome in J. linn. Soc., Bot. 11: 508. 1871; *Lepiota erythrostricta* (Berk. & Broome) Sacc., Syll. Fung. 5: 62. 1887. Holotypus Thwaites 755 (K). Sri Lanka.
[type study Pegler, 1972]
- Chlorophyllum esculentum* Masee in Kew Bull. 1898: 135. 1898; *Lepiota esculenta* (Masee) Sacc. & P. Syd., Syll. Fung. 16: 2. 1902. British Guiana.
[synonym of *Chlorophyllum molybdites*]
- Macrolepiota eucharis* Vellinga & Halling in Vellinga in Australian Systematic Botany 16: 368. 2003. Australia, Queensland.
- Agaricus euconiatus* Berk. & Broome in J. linn. Soc., Bot. 11: 507. 1871; *Lepiota euconiata* (Berk. & Broome) Sacc., Syll. Fung. 5: 62. 1887. Sri Lanka.
[synonym of *Lepiota spongodes*]
[type study Pegler, 1972]
- Lepiota neophana* var. *europaea* Bizio & Migl. in Boll. AMER 9 (27): 45. 1993. Holotypus in Herbario Venetiarum Civici Musei Historiae naturalis n. 298. Italy.
[type study see Vellinga & Huijser ('1998') 1999]
- Lepiota amianthina* var. *evae* Kavina in Věda Přír. 10: 198. 1929.
[not in *Agaricaceae*]
- Lepiota exannulata* Velen., České Houby: 215. 1920.
- Lepiota cristata* var. *exannulata* Bon in Doc. mycol. 7 (27-28): 14. 1977 (ad interim, not valid); in Doc. mycol. 11 (43): 34. 1981.
- Lepiota excoriata* f. *exannulata* Killerman in Denkschr. bayer. bot. Ges. Regensburg 18: 17. 1930. Germany.
- Leucoagaricus exannulatus* Singer in Beih. Sydowia 7: 68. 1973. Argentina.
- Agaricus excoriatus* Schaeff., Fung. Bavariae 4: 10, pl. 18, 19. 1774; *Agaricus excoriatus* Schaeff. : Fr., Syst. mycol. 1: 21. 1821; *Lepiota procera* β *excoriata* (Schaeff. : Fr.) Gray, Nat. Arr. Br. Plants 1: 601. 1821; *Lepiota excoriata* (Schaeff. : Fr.) P. Kumm., Führ. Pilzk.: 135. 1871; *Lepiotophyllum excoriatum* (Schaeff. : Fr.) Locq. in Bull. mens. Soc.

- linn. Lyon 11: 40. 1942 (nom. inval.); *Leucoagaricus excoriatus* (Schaeff. : Fr.) Singer in Sydowia 2: 35. 1948; *Macrolepiota excoriata* (Schaeff. : Fr.) M.M. Moser in Gams, Kl. Kryptog.Fl. 2b/2, Ed. 2: 130. 1955 (not valid); *Macrolepiota excoriata* (Schaeff.: Fr) Wasser in Ukr. bot. JI 35: 516. 1978.
 [Macrolepiota heimii is probably a synonym]
- Macrolepiota procera* var. *exigua* Pázmány in Not. bot. Horti agro bot. Cluj-Napoca 18-19: 18. 1988/1989.
- Agaricus eximius* Peck in Ann. Rep. N.Y. St. Mus. nat. Hist. 24: 70. 1872, non *Agaricus eximius* C. Laest., 1860; *Pratella eximia* (Peck →) Henn. in Engler & Prantl, Nat. Pflanzenfam. 1, 1**: 235. 1900. U.S.A., New York.
 [probably a synonym of *Melanophyllum haematospermum*]
 [Peck 1872: "Pileus fleshy, thin, convex or broadly campanulate, at length expanded and subumbonate, smooth, dark sooty brown; lamellae close, broad, ventricose, rounded behind, free, dull red or brownish pink, then brown; stem slender, hollow, a little thicker at the base, dull red; spores elliptical 1/4000' long. Plant 1' high, pileus 3''-6'' broad, stem .5'' thick. Old stumps in woods. Greig. September. Rare."]
- Lepiota exocarpi* Cleland in Toadstools, Mushrooms South Australia: 54. 1934-1935. Australia.
 [type study Grgurinovic, 1997]
- Agaricus exstructus* Berk. in J.D. Hooker, Fl. New Zeal. 2: 173. 1855; *Lepiota exstructa* (Berk.) Sacc., Syll. Fung. 5: 58. 1887. New Zealand.
 [Berkeley, 1855: "Pileo campanulato tessellato-verrucoso, epidermide laevi dehiscente apices verrucarum investiente, stipite subaequali sursum annulato, lamellis angustis remotissimis. Hab. On the ground, Bay of Islands, J.D.H."]
- Schulzeria eyrei* Masee in Grevillea 22: 38. 1894; *Chlorospora eyrei* (Masee) Masee in Kew Bull. 1898: 136. 1898; *Lepiota eyrei* (Masee) J.E. Lange, Fl. agar. dan. 1: 36. 1935; *Melanophyllum eyrei* (Masee) Singer in Lilloa 22: 436. ('1949') 1951.

- Lepiota farinolens* Bon & G. Rioussset in Doc. mycol. 22 (85): 65. 1993. Holotypus leg. G. Rioussset, nov. 1990, herb. Bon. France.
- Lepiota farinosa* Peck in Ann. Rep. N.Y. St. Mus. nat. Hist. 43: 81. 1890 (report on 1889); *Lepiota cepistipes* var. *farinosa* (Peck) Rick in Iheringia, Bot. 8: 314. 1961. (not valid, basionym not mentioned; as *Lepiota cepaestipes* var. *farinosa*). (mushroom beds in a conservatory, Boston. Mass. March. E.J. Forster) U.S.A., Massachusetts.
[Peck, 1890: “Pileus thin, rather tough, flexible, at first globose or ovate, then campanulate or convex, covered with a soft dense white floccose-farinose veil which soon ruptures, forming irregular, easily detersible scales, more persistent and sometimes brownish on the disk, flesh white, unchangeable; lamellae close, free, white, minutely floccose on the edge; stem equal or slightly tapering upward, somewhat thickened at the base, slightly farinose, often becoming glabrous, hollow or with a cottony pith above, solid at the base, white, pallid or straw-colored, the annuus lacerated, somewhat appendiculate on the margin of the pileus, evanescent; spores subovate, .0004 to .0005 in long, .0003 broad. Pileus 1.5 to 2.5 in. broad; stem 2 to 3 in. long, 2 to 4 lines thick.”]
[synonym of *Leucocoprinus cretaceus*]
- Lepiota favrei* Kühner in Cryptog., Mycol. 4: 68. 1983 (?no Latin diagn. based on *Lepiota pseudohelveola* sensu Favre, 1955); *Lepiota favrei* Kühner ex Bon in Doc. mycol. 22 (88): 29. 1993. (Holotypus no. 185a in Herb. Favre, Genève).
- Lepiota felina* (Pers.) P. Karst., Ryssl., Finl. Skand. Halføns Hattsvamp.: 10. 1879; *Agaricus felinus* Pers., Syn. meth. Fung.: 261. 1801; *Lepiota clypeolaria* var. *felina* (Pers.) Gillet, Hyménomycètes: 62. 1874.
- Lepiota felinoides* Peck in Bull. Torrey bot. Cl. 27: 610. 1900. (Low shaded ground under poison ivy in woods. Near St. Louis, Missouri, August, N.M. Glatfelter). U.S.A., Missouri.
[Peck, 1900: “Pileus thin, convex, subumbonate, brown, purplish brown or blackish brown, often darker in the center, becoming squamose by the rupturing of the cuticle, flesh white; lamellae thin, close, free, white; stem slender, slightly thickened at the base, hollow, silky fibrillose, white, the annulus membranaceous, persistent, white; spores elliptic, 6-7.5 μ long, 4-5 μ broad. Pileus 2.5-6 cm. broad; stem 5-8 cm. long, 2-4 mm. thick.”]
- Lepiota cristata* var. *felinoides* Bon in Doc. mycol. 11 (43): 34. 1981; *Lepiota felinoides* (Bon) P.D. Orton in Notes R. bot. Gdn Edinb. 41: 591. 1984, non *Lepiota felinoides* Peck, 1900; *Lepiota subfelinoides* Bon & Orton in P.D. Orton in Doc. mycol. 14 (56): 56. ('1984') 1985.
[see under *Lepiota cristata*]
- Lepiota micropholis* var. *felinoides* Wichanský in Mykol. Sborn. 40: 136. 1963.
- Lepiota ferruginosa* Bres. in Annales mycol. 18: 26. 1920, non *Lepiota ferruginosa* Masee, 1914; *Cystoderma ferruginosum* (Bres.) Pegler in Persoonia 4: 76. 1966.
[not in *Agaricaceae*]
- Lepiota ferruginosa* Masee in Kew Bull. 1914: 338. 1914. Singapore.
- Leucoagaricus ferruginosus* Heinem. in Bull. Jard. bot. nat. Belg. 43: 9. 1973. Zaire. Type Congo, Panzi (Kivu), III. 1953, M. Goossens-Fontana 5251 (BR)
- Lepiota erythrella* subsp. *fibrillosa* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 93. ('1898') 1899. (Fungi Arg. nov. v. crit.). Argentina.
- Leucocoprinus fibrillosus* Raithelh. in Metrodiana 16: 22. 1988. Probably Brazil.
- Agaricus fimetarius* Cooke & Masee in Cooke in Grevillea 18: 1. 1889. Australia, non *Agaricus fimetarius* L., 1753, fide Sacc., Syll. Fung. 5: 1087. 1887, non *Agaricus fimetarius*

- Bolton, fide Sacc., Syll. Fung. 5: 1079.1887, non *Agaricus fimetarius* Sowerby, 1799 (= *Coprinopsis atramentaria*); *Leucoagaricus fimetarius* (Cooke & Masee →) Aberdeen, Lepiotoid Genera (Agaricales) in South-Eastern Queensland: 8. 1992; *Lepiota fimetaria* (Cooke & Masee →) Sacc., Syll. Fung. 9: 7. 1891.
[Name used in the sense of *Chlorophyllum hortense*, but type collection is something else (studied Jan. 2004 in K)]
- Lepiota fischeri* Kauffman in Publ. Mich. geol. biol. Survey Biol., Ser. 5, 26: 630. 1918 (The Agaricaceae of Michigan 1). U.S.A.
[this is a synonym of *Limacella guttata* according to Singer, 1986: 454; in *Amanitaceae*]
- Lepiota flagellata* (Berk. & Broome) Sacc., Syll. Fung. 5: 64. 1887; *Agaricus flagellatus* Berk. & Broome in J. linn. Soc., Bot. 11: 511. 1871. Sri Lanka. Holotypus Thwaites 837 (K).
[synonym according to Pegler, 1972: *Agaricus pungens* Berk. & Broome in J. linn. Soc., Bot. 11: 512. 1871; *Lepiota pungens* (Berk. & Broome) Sacc., Syll. Fung. 5: 65. 1887.]
[type study Pegler, 1972]
- Lepiota flammeotincta* Kauffman in Papers Mich. Acad. Sci., Arts Letters 4: 331. 1924 (as *Lepiota flammeatincta*). type Oregon National Forest, Mt. Hood, near Welch's, Oregon. October 5, 1922, coll. C.H. Kauffman, U.S.A., Oregon (MICH).
[type study Smith, 1966; Vellinga, 2010]
- Leucoagaricus flammeotinctoides* Vellinga in Mycotaxon 112: 429. 2010.
- Lepiota flammula* (Alb. & Schwein.) Gillet, Hyménomycètes: 63. 1874; *Agaricus flammulus* Alb. & Schwein., Consp. Fung.: 149. 1805.
[a synonym of *Leucocoprinus birnbaumii*, described with *A. luteus* Wither. and *Agar. Coprinus Cepaestipes* β Pers. as synonyms; according to Index Fungorum synonym of *Leucocoprinus fragilissimus*. However, *Agaricus flammulus* precedes *Hiatula fragilissima* by 48 years]
- Lepiota cortinarius* var. *flava* Bas & Vellinga in Vellinga in Persoonia 14: 414. 1992. The Netherlands.
- Lepiota excoriata* var. *flavescens* Rick in Iheringia, Bot. 8: 308. 1961. Brazil.
[without descr., without type]
- Lepiota flavescens* Beeli in Bull. soc. roy. bot. Belg. 64: 213. 1932, non *Lepiota flavescens* Morgan, 1907; *Leucocoprinus velutipes* Heinem. in Bull. Jard. bot. nat. Belg. 47: 85. 1977, nom. nov. Congo.
- Leucocoprinus flavescens* (Morgan) H.V. Sm. in Mich. Botanist 20: 50. 1981; *Lepiota flavescens* Morgan in J. Mycol. 13: 5. 1907. U.S.A., Ohio.
- Agaricus procerus* var. *flavida* Roum., Flore mycologique du département de Tarn-et-Garonne: 55. 1879. France.
- Lepiota flavidocana* Pegler in Kew Bull. add. Ser. 9: 400. 1983. Guadeloupe.
- Xanthagaricus flavidorufus* (Berk. & Broome) Little Flower, Hosag. & T.K. Abraham in New Botanist 24: 94. 1997; *Hymenagaricus flavidorufus* (Berk. & Broome) Heinem. & Little Flower in Bulletin du Jardin Botanique National de Belgique 54(1-2): 171. 1984; *Agaricus flavidorufus* Berk. & Broome in J. linn. Soc., Bot. 11: 505. 1871; *Lepiota flavidorufa* (Berk. & Broome) Sacc., Syll. Fung. 5: 61. 1887. Holotypus Thwaites 724 (K). Sri Lanka. {*Agaricus*}
[type study Pegler, 1972]
[synonyms according to Pegler (1972) are: *Agaricus hemichlorus* Berk. & Broome 1871; *Lepiota hemichlora* (Berk. & Broome) Sacc., Syll. Fung. 5: 64. 1887. – *Agaricus subcitrinus* Berk. & Broome, 1871: 553; *Stropharia subcitrina* (Berk. & Broome) Sacc., Syll. Fung. 5: 1018. 1887. – *Agaricus epipastas* Berk. & Broome, 1871; *Stropharia*

- epipastas* (Berk. & Broome) Sacc., Syll. Fung. 5: 1018. 1887. – *Agaricus myriostictus* Berk. & Broome, 1871; *Stropharia myriosticta* (Berk. & Broome) Sacc., Syll. Fung. 5: 1018. 1887.]
 [Heinemann and Little Flower (1984) do not agree with Pegler, and have the species separate]
- Lepiota flavidula* (Rick) Singer in Lilloa 26: 69. 1953; *Schulzeria flavida* Rick in Lilloa 1: 344. 1937. Brazil.
- Lepiota flavipes* Rick in Lilloa 1: 341. 1937. Brazil.
- Leucocoprinus flavipes* Pat. & Gaillard in Bull. Soc. mycol. Fr. 4: 26. 1888. Venezuela.
 [type not in FH, not found in PC]
- Leucocoprinus flavipes* Earle, 1909, non *Leucocoprinus flavipes* Pat. & Gaillard, 1888.
 [Earle in Bull. N.Y. bot. Gdn 5: 389. 1909 lists *Hiatula flaviceps* (Pat.) Sacc. under *Leucocoprinus*; that might be the origin for this record, though the source misspelled it]
- Agaricus flavitingens* Murrill in Mycologia 4: 298. 1912. U.S.A., Washington. {Agaricus}
- Lepiota flavodisca* Murrill in Mycologia 3: 82. 1911. Cuba.
 [type study Smith, 1966; Pegler, 1987b: a synonym of *Lepiota subclypeolaria*]
- Lepiota flavolutea* Rick in Lilloa 1: 343. 1937.
 [erroneously referred to by Rick, 1961 as *Lepiota fulvolutea*]
- Lepiota flavophylla* Massee in Bull. bot. Gdn Kew 1912: 253. 1912. India.
 [descr. Boedijn, 1940: 407]
- Lepiota flavosericea* Rick in Broteria, Bot. 18: 49. 1920. Brazil.
- Agaricus albosericeus* var. *flavotactus* (F.H. Møller) Courtec. in Doc. mycol. 34 (135-136): 48. 2008; *Psalliota aestivalis* var. *flavotacta* F.H. Møller in Friesia 4: 51. 1950. {Agaricus}
- Leucoagaricus flavovirens* J.F. Liang, Zhu L. Yang & J. Xu in Mycologia 102: 1143. 2010. China. [doi:10.3852/09-021] Mycobank MB515455
- Leucocoprinus flavus* (Beeli) Heinem. in Bull. Jard. bot. nat. Belg. 47: 84. 1977; *Lepiota flava* Beeli in Bull. Soc. roy. bot. Belg. 64: 215. 1932. Congo.
- Lepiota floccosa* Beardslee in J. Elisha Mitchell Sci. Soc. 31: 145. 1915. U.S.A., North Carolina
- Lepiota flocculosa* Beeli in Bull. Soc. roy. bot. Belg. 64: 214. 1932. Congo.
- Agaricus floralis* Berk. & Ravenel in Berk. & M.A. Curtis in Ann. Mag. nat. Hist., ser. II, 12: 418. 1853; *Lepiota floralis* (Berk. & Ravenel) Sacc., Syll. Fung. 5: 51. 1887. U.S.A., South Carolina.
- Lepiota floridana* Murrill in Mycologia 33: 286. 1941. U.S.A., Florida.
- Agaricus floridanus* Peck in Ann. Rep. N.Y. St. Mus. nat. Hist. 150: 50. 1911. DeFuniak Springs, Florida, March. {Agaricus}
- Lepiota floridiana* Garrido in Bibliotheca mycol. 120: 128. 1988. Chile.
- Agaricus flos-sulphuris* Schnizlein in Sturm, Deutschlands Flora III, Abt. 31. 32. Heft: 2. 1851; *Lepiota flos-sulphuris* (Schnizl.) Mattir. in Memorie Reale Accademia dei Lincei, Ser. V, 12 (11): (566) 34. 1918; *Leucocoprinus flos-sulphuris* (Schnizl.) Cejp in Česká Mykol. 2: 78. 1948; *Lepiota cepistipes* var. *flos-sulphuris* (Schnizlein) Rick in Iheringia, Bot. 8: 314. 1961 (not valid, basionym not cited).
 [According to Raithelhuber, 1987, different from *Lc. birnbaumii*]
 [synonym of *Leucocoprinus birnbaumii*]
- Lepiota clypeolaria* f. *foetens* A. Petrov in Mykol. Phytopath. 21: 39. 1987. Holotypus A.N. Petrov, 12.VIII.1981, URSS, regio Irkutskensis, distr. Sljudjanesis, in herb. Inst. bot. Acad. Sci. URSS (LE).
- Lepiota amianthina* var. *foetidissima* Velen., Novitates mycol.: 54. 1939.
 [not in *Agaricaceae*]

- Macrolepiota formica* Raithelh. in Fl. mycol. Argentina 1: 292. 1987. Argentina.
Tyridiomyces formicarum W.A. Wheeler in Bull. Amer. Mus. natn. Hist. 23: 772. 1907.
[probably the yeast phase of the ant *Cyphomyrmex*'s symbionts]
Macrolepiota fornica Raithelh. in Metrodiana 15: 61. 1988. Argentina.
Lepiota forquignonii Qué. in C. r. Ass. franç. Av. Sci. (Blois 1884): 277. 1885 (Suppl. Champ. Jura Vosges 13). – *Lepiota forquignonii* var. *coniferarum* Bon in Doc. mycol. 11 (43): 41. 1981. – *Lepiota olivaceobrunnea* P.D. Orton in Trans. Br. mycol. Soc. 91: 561. 1988; *Lepiota forquignonii* var. *olivaceobrunnea* (P.D. Orton) Bon in Doc. mycol. 22 (88): 29. 1993.
Chamaemyces fracidus (Fr.) Donk in Beih. Nova Hedwigia 5: 48. 1962; *Agaricus fracidus* Fr., Epicrisis: 25. 1838; *Armillaria fracidula* (Fr.) Gillet, Hyménomycètes: 77. 1882; *Drosella fracidula* (Fr.) Singer in Lilloa 22: 446. ('1949') 1951. – *Lepiota irrorata* Qué. in C. r. Ass. franç. Av. Sci. (La Rochelle 1882) 11: 387. 1883 (Suppl. Champ. Jura Vosges 11); *Lepiotella irrorata* (Qué.) Konrad in Schweiz. Z. Pilzk. 12: 177. 1934; *Drosella irrorata* (Qué.) Kühner & Maire in Bull. trimest. Soc. mycol. Fr. 50: 15. 1934 (nom. invalid). – *Chamaemyces fracidus* var. *pseudocastaneus* Bon & Boiffard in Bull. trimest. Soc. mycol. Fr. 90: 303. 1974; *Chamaemyces pseudocastaneus* (Bon & Boiffard) Contu in Bol. Soc. Brot., Sér. II, 63: 384. 1990; *Lepiotella irrorata* f. *pseudocastanea* (Bon & Boiffard) Migl. & Zecchin in Micol. ital. 22 (2): 51. 1993. – *Lepiotella irrorata* f. *passerinii* Migl. & Zecchin in Micol. ital. 22 (2): 51. 1993. – *Agaricus demisannulus* Secr., Mycogr. Suisse 1: 54. 1833 (nom. invalid); *Drosella demisannula* (Secr.) Locq. in Bull. mens. Soc. linn. Lyon 23: 54. 1954 (nom. invalid); *Chamaemyces demisannulus* (Secr.) M.M. Moser, Röhrlinge Blätterpilze, 3. Aufl.: 194. 1967 (nom. invalid).
Schulzeria fragilis Beeli in Bull. Soc. roy. bot. Belg. 66: 15. 1933. Congo.
Hiatula fragilissima Ravenel in Berk. & M.A. Curtis in Ann. Mag. nat. Hist., Ser. II, 12: 422. 1853 (genus name not yet published !); *Lepiota fragilissima* (Ravenel) Morgan in J. Mycol. 13: 5. 1907; *Leucocoprinus fragilissimus* (Ravenel) Pat., Essai Hymén.: 171. 1900; *Agaricus fragilissimus* (Ravenel) Henn. in Engler & Prantl, Nat. Pfl.-Fam. 1, 1 **: 263. 1900. – *Agaricus licmophorus* Berk. & Broome in J. linn. Soc., Bot. 11: 500. 1871; *Lepiota licmophora* (Berk. & Broome) Sacc., Syll. Fung. 5: 44. 1887; *Hiatula licmophora* (Berk. & Broome) Petch in Ann. roy. bot. Gard., Peradeniya 4: 385. 1910; *Leucocoprinus licmophorus* (Berk. & Broome) Pat. in Bull. trimest. Soc. mycol. Fr. 29: 216. 1923. Holotypus Thwaites 758 (K).
Agaricus fragilivolvatus Contu in Rev. Catalana micol. 21: 30. 1998. Italy, Sardinia. {Agaricus}
Lepiota fraterna E. Horak in Sydowia 33: 124. ('1980') 1981. Papua New Guinea.
Agaricus freirei Blanco-Dios in Doc. mycol. 31 (121): 28. 2001. {Agaricus}
Agaricus friesii Lasch in Linnaea 3: 155. 1828; *Lepiota friesii* (Lasch) Qué. in Mém. Soc. Émul. Montbéliard, Sér. V, 2: 72. 1872 (Champ. Jura Vosges 1); *Cystolepiota friesii* (Lasch) Bon in Doc. mycol. 7 (27-28): 12. 1977; *Echinoderma friesii* (Lasch) Bon in Doc. mycol. 22 (88): 28. 1993.
[synonym of *Lepiota aspera*]
Leucoagaricus melanotrichus var. *fuligineobrunneus* Bon & Boiffard in Bon in Doc. mycol. 8 (29): 38. 1978; *Leucoagaricus melanotrichus* f. *fuligineobrunneus* (Bon & Boiffard) Bon in Doc. mycol. 23 (91): 33. 1993. – *Leucoagaricus melanotrichus* var. *fuligineobrunneus* f. *citrifolius* Courtec. in Doc. mycol. 19 (75): 4. 1989 (ad int., no Latin descr.).
Leucoagaricus fuligineodiffractus Bellù & Lanzoni in Borghi (ed.) Atti del IV convegno Internazionale di Micologia, 27-30 Sept. 1987, Borgo val di Taro - I: X. ('1989') 1988. Sardegna, Italy, Holotype TR 87/003.

- Leucoagaricus fuligineodiscus* P. Mohr & E. Ludwig in Feddes Repertorium 115: 21. 2004.
Holotype in B. Germany.
- Macrolepiota fuligineosquarrosa* Malençon in Beih. Sydowia 8: 261. 1979. Morocco.
- Lepiota fuliginescens* Murrill in Mycologia 4: 236. 1912. Type W.A. Murrill & L.R. Abrams 1265, collected in humus in a redwoods forest at La Honda, California, November 25, 1911 (NY). U.S.A., California.
[type study Smith, 1966; Vellinga ined.]
[Murrill 1912: 236: “Pileus convex to subexpanded, solitary, about 8 cm. broad; surface dry, finely imbricate-floccose-scaly, slightly rimose, white with rosy tints, becoming fuliginous on drying; lamellae free, distant, narrow, arcuate, white changing to pale-latericeous on drying; spores regularly ovoid, smooth, hyaline, 6 x 4 µ; stipe long and twisted owing to its struggle through the leaves, tapering upward, polished, hollow, colored and changing like the pileus, about 10 x 1 cm.; annulus superior, ample, fixed, white to pale fuliginous.”]
- Leucoagaricus fuliginus* Pegler in Kew Bull. add. Ser. 6: 314. 1977. Kenya.
- Lepiota fuliginosa* Cleland in Trans. Proc. Roy. Soc. South Australia 55: 153. 1931. Australia.
[type study Grgurinovic, 1997]
- Lepiota procera* var. *fuliginosa* Barla, Fl. mycol. ill.: 21. 1888; *Leucocoprinus fuliginosus* (Barla) Locq. in Bull. mens. Soc. linn. Lyon 14: 92. 1945; *Macrolepiota fuliginosa* (Barla) Bon in Doc. mycol. 7 (27-28): 20. 1977; *Macrolepiota fuliginosa* (Barla) Bon in Doc. mycol. 11 (43): 75. 1981; *Macrolepiota procera* var. *fuliginosa* (Barla) Bellù & Lanzoni in Beitr. Kenntn. Pilze Mitteleur. 3: 190. 1987.
- Agaricus fulvaster* Berk. & M.A. Curtis in Ann. Mag. nat. Hist., Ser. II, 12: 419. 1853; *Lepiota fulvastra* (Berk. & M.A. Curtis) Sacc., Syll. Fung. 5: 51. 1887. U.S.A., South Carolina.
- Lepiota fulvella* Rea in Trans. Br. mycol. Soc. 6: 61. ('1917') 1918. U.K.
[synonym of *Lepiota boudieri* Bres.]
- Lepiota fulvodisca* Peck in Bull. Torrey bot. Cl. 22: 198. 1895; *Limacella fulvodisca* (Peck) Murrill in North American Flora 10 (1): 41. 1914. U.S.A., California.
[“Plant fragile growing among fallen leaves in woods. Pasadena, California. January, Prof. A.J. McClatchie”]
[in *Amanitaceae* ?]
- Lepiota fulvolateritia* Raithel. in Hongos Argentinos 1: 145. 1975. Argentina.
- Lepiota fulvolutea* Rick in Iheringia 8: 326. 1961.
[referring to the publication in Lilloa 1: 343. 1937 of *Lepiota flavolutea*]
- Lepiota fumosalba* Murrill in Q. Jl Fla Acad. Sci. 8: 178. 1945. U.S.A., Florida
[W.A. Murrill F 32906, 5 July 1944, on an open grassy lawn in Gainesville, Fl. FLAS]
- Lepiota fumosiceps* Murrill in Q. Jl Fla Acad. Sci. 8: 179. 1945. U.S.A., Florida.
[W.A. Murrill F 32939, on an open grassy lawn in Gainesville, Fl. FLAS.]
[“suggesting *Mycena* when I first saw it.”]
- Lepiota fumosifolia* Murrill in Mycologia 4: 233. 1912; *Cystolepiota fumosifolia* (Murrill) Vellinga in Mycotaxon 98: 226. 2007. U.S.A., Washington. Type W.A. Murrill 229, collected on the ground in woods near Seattle, Washington, October 20-November 1, 1911.
[type study Smith, 1966; Vellinga, 2007b]
[*Cystolepiota cystidiosa* (A.H. Sm.) Bon is a synonym]
[Murrill, 1912: “Pileus convex, not umbonate, gregarious, 3 cm. broad; surface dry, white with isabelline, granular scales, the center isabelline; lamellae free, broad, rather crowded, white, becoming fumous on drying; spores oblong-fusiform, smooth,

- hyaline, 12 x 7 µ; stipe equal or tapering upward, cylindric, smooth, white, furfuraceous, pale-avellaneous below, 6 cm. long, 6 mm. thick; veil soon breaking into fragments which cling to the margin and stipe. Type collected on the ground in woods near Seattle, Washington, October 20-November 1, 1911, W.A. Murrill 229”]
- Agaricus fumosopurpureus* Lasch in *Linnaea* 3: 420. 1828; *Lepiota fumosipurpurea* ???;
Cystoderma fumosopurpureum (Lasch) Fayod in *Ann. Sc. nat., Sér. VII*, 9: 351. 1889.
Cystoderma fumosopurpureum (?) Fayod in *Ann. Sc. nat., sér. VII*, 9: 351. 1889
 [under *Cystoderma*, Fayod says : “ici le *Lepiota fumosopurpurea*”, no further comments, no authors]
 [see *Melanophyllum echinatum*]
- Lepiota acutesquamosa* var. *furcata* (J.E. Lange) Kühner in *Bull. trimest Soc. mycol. Fr.* 52: 210. 1936.
 [synonym of *Lepiota aspera*]
- Cystolepiota furfuracea* T.K.A. Kumar & Manim. in *Mycotaxon* 107: 278. 2009. India, Kerala State.
- Micropsalliota furfuracea* R.L. Zhao, Desjardin, K. Soyton & K.D. Hyde in *Fungal Diversity* 45: 54. 2010. Thailand. {*Agaricus*}
- Lepiota furfuraceipes* H.C. Wang & Zhu L. Yang in *Nova Hedwigia* 81: 465. 2005. China.
 [should be accommodated in *Leucoagaricus/Leucocoprinus*]
- Agaricus furnaceus* Letell. in *Ann. Sc. nat. III, (Bot.)*: 91. 1835; *Lepiota furnacea* (Letell.) Sacc., *Syll. Fung.* 5: 42. 1887. France.
- Leucocoprinus fuscatus* Pegler in *Kew Bull. add. Ser.* 6: 322. 1977. Kenya.
- Lepiota fusciceps* Hongo in *Mem. Fac. lib. Arts Educ. Shiga Univ., nat. Sci.* 23: 38. 1973. Japan.
- Hymenagaricus fuscobrunneus* D.A. Reid & Eicker in *S. African J. Bot.* 64 (6): 356. 1998.
 Holotype PRU (as ‘PRUM’) 4200. On stone wall held together by earth, under *Eucalyptus*: Cape Province, South Africa. {*Agaricus*}
- Agaricus procerus* var. *fusco-marginata* Lasch ???
 [fide Rabenhorst, *Deutschl. Kryptogamen-flora* 1: 574. 1844]
- Lepiota fuscroseola* Speg. in *An. Mus. nac. Buenos Aires, Ser. II*, 6: 95. (‘1898’) 1899. (Fungi Arg. nov. v. crit.). Argentina.
- Agaricus (Lepiota) fuscosquameus* Peck in *Bull. Buffalo Soc. nat. Sc.* 1: 41. 1873; *Lepiota fuscosquamea* (Peck) Sacc., *Syll. Fung.* 5: 37. 1887, non *Agaricus fuscosquameus* Morgan, year??? (Ground in woods., Croghan. Sept.) U.S.A., New York.
 [see Sacc., *Syll. Fung.* 21: 14. 1912]
 [Peck, 1873: “Pileus hemispherical or convex, rough with numerous erect pointed blackish-brown scales; lamellae close, white, free; stem equal, thickened at the base, hollow or stuffed with a cottony pith, floccose, brown; spores .0003’ x .00014’. Plant 2’-3’ high, pileus 1.5’-2’ broad, stem 3’’ thick.”]
- Lepiota fuscovinacea* F.H. Møller & J.E. Lange in *J.E. Lange, Fl. agar. dan.* 5: V. 1940; *Lepiota fuscovinacea* F.H. Møller & J.E. Lange in *J.E. Lange, Fl. agar. dan.* 1: 33. 1935 (not valid, no Latin diagn.). Denmark.
- Leucoagaricus gauguei* var. *fusipes* Mornand & Bon in *Bull. Soc. Et. sci. Anjou* 12: 50. 1986. France.
- Lepiota fuisispora* Henn. in *Engler bot. Jahrb.* 23: 556. 1897. Cameroon.
 [“Kamerun: Bipinde auf faulendem Laub (Zenker n. 80 c. lc. - Sept. 1896). Eine durch die spindelformigen spitzen Sporen von anderen Arten abweichende Art, die habituell mit *L. meleagris* Sow. Ähnlichkeit hat”]

Lepiota fusispora Kauffman in Papers Mich. Acad. Sci., Arts Letters 4: 330. 1924, non *Lepiota fusispora* Henn., 1897. U.S.A., Michigan.

[type study Smith, 1966.]

Lepiota fustiformis A. Pearson in Trans. Br. mycol. Soc. 33: 291. 1950. South Africa.

[type study Reid & Eicker, 1993; original description based on two different species]

- Leucoagaricus gaillardii* Bon & Boiffard in Bull. trimest. Soc. mycol. Fr. 90: 295. ('1974') 1975. France.
- Leucocoprinus gandour* Hariot & Pat. in Bull. Mus. nat. Hist. nat. (Paris) Sér. 1, 15: 89. 1909. Tchad, Kindja, juin 1903, Chevalier s.n. (P).
[type not in FH, nor found at PC]
- Leucoagaricus gauguei* Bon & Boiffard in Bull. trimest. Soc. mycol. Fr. 90: 290. ('1974') 1975; *Sericeomyces gauguei* (Bon & Boiffard) Heinem. in Bull. Jard. bot. nat. Belg. 48: 405. 1978. France.
- Allopsalliota geesterani* (Bas & Heinem.) Nauta & Bas in Belg. J. Bot. 131: 189. ('1998') 1999; *Agaricus geesterani* Bas & Heinem. in Persoonia 13: 114. 1986. The Netherlands.
{Agaricus}
- Lepiota gemmata* Morgan in J. Mycol. 12: 202. 1906. U.S.A., Ohio.
- Lepiota geniculispora* G.F. Atk. in Ann. mycol. 7: 372. 1909. U.S.A., New York.
[“Sporophoro 4,5 cm alto, pileo 15 mm lato, stipite 2,5 mm crasso. Pileo convexo-subexpanso, subumbonato, brunneo, sericeo, squamulis adpressis ornato. Lamellis albis, ventricosis, siccitate brunnescentibus. Basidiis 4-sporis. Sporis 12-15 x 5-6 μ, subellipticis, geniculatis. Stipite pallide brunneo, floccoso-squamoso-peronato. Ad terram in silvis, Ithacae NY”]
- Agaricus gennadii* (Chatin & Boud.) P.D. Orton in Trans. Br. mycol. Soc. 43: 174. 1960; *Chitonina gennadii* Chatin & Boud. in J. Bot., Paris 12: 66. 1898; *Clarkeinda gennadii* (Chatin & Boud.) Sacc. & P. Syd., Syll. Fung. 16: 112. 1902; *Clarkeinda gennadii* (Chatin & Boud.) Wasser, Novosti Sistematiiki Nizshikh Rasteni: 191. ('1975') 1976 (superfluous combination). – *Chitonina cellaris* (Bres.) Boud., Icones mycol. 1: pl. 131. 1906; *Clarkeinda cellaris* Bres. in Annales mycologici 3: 162. 1905.
[a real *Agaricus* species in Sect. *Bitorques*] {Agaricus}
- Agaricus georginae* W.G. Sm. in Seem. J. Bot. 9: 1. 1871; *Lepiota georginae* (W.G. Sm.) Sacc., Syll. Fung. 5: 71. 1887; *Leucocoprinus georginae* (W.G. Sm.) M.M. Moser in Gams, Kl. Kryptog.Fl. 2b/2, Ed. 2: 132. 1955; *Leucocoprinus georginae* (W.G. Sm.) Bon & Boiffard in Bull. trimest. Soc. mycol. Fr. 86: 28. 1972 (not valid, basionym not mentioned); *Leucocoprinus georginae* (W.G. Sm.) Wasser in Agar. Griby SSSR: 108. 1985; *Leucoagaricus georginae* (W.G. Sm.) Candusso in Riv. Micol. 33: 10. 1990.
- Lepiota gigantea* Speg. in An. Mus. nac. Buenos Aires 19: 260. 1909. Argentina.
- Lepiota acutesquamosa* f. *gigantea* Pilát in Acta Mus. nat. Prag. 11B (2): 3. 1955; *Echinoderma acutesquamosum* f. *giganteum* (Pilát) Bon in Doc. mycol. 22 (88): 28. 1993.
[synonym of *Lepiota aspera*]
- Clarkeinda caparidensis* f. *gigantea* Cout. in Bol. Soc. Broteriana 9: 210. 1934. {Agaricus}
- Lepiota gilvidisca* Murrill in Lloydia 9: 318. 1946. U.S.A., Florida.
- Lepiota glabra* Velen., České Houby: 205. 1920.
- Lepiota glabridisca* Sundb. in H.V. Sm. & Sundb. in Mycotaxon 8: 447. 1979; *Leucoagaricus glabridiscus* (Sundb.) Wuilbaut in Doc. mycol. 17 (65): 46. 1986. Type Sundberg 888, Humboldt Co., near Patrick's Point State Park, Oct. 9 1966, California, U.S.A. (SFSU).
- Lepiota glareophila* Fillion in Bull. Féd. mycol. Dauphiné-Savoie 144: 7. 1997. France.
- Lepiota glatfelteri* Peck in Bull. Torrey bot. Cl. 31: 177. 1904. (Grounds in woods, near St. Louis, July, August, N.M. Glatfelter) U.S.A., Missouri.
- Agaricus glaziovii* Berk. in Vidensk. Meddel. Dansk naturhist. Foren. Kjøbenhavn 1879-1880: 32. 1880; *Pholiota glaziovii* (Berk.) Sacc., Syll. Fung. 5: 751. 1887. Brazil.
[Berkeley, 1880: ‘Pileo subhemispherico sericeo verrucis squamulaeformibus obsito;

margine lacerato; stipite subæquali, quandque basi tumido; mycelio fibroso; sporis sublimoniformibus. Sporae 1/1500 poll. longae; Ag. campestri proxima, sed latior et sporis et colore diversa.’]

[synonym of *Chlorophyllum molybdites*]

Agaricus gliodermus Fr., Öfvers. K. Vetensk. Akad. Förh.: 31. 1851; *Lepiota glioderma* (Fr.) Gillet, Hyménomycètes: 73. 1874; *Limacella glioderma* (Fr.) Maire in Bull. trimest. Soc. mycol. Fr. 40: 294. 1924.

[in *Amanitaceae*]

Lepiota glischra Morgan in J. Mycol. 12: 203. 1906; *Limacella glischra* (Morgan) Murrill in North America Flora 10 (1): 41. 1914. U.S.A., Ohio.

[in *Amanitaceae*]

Leucoagaricus globisporus (Raithelh.) Raithelh., Nueva Flora micológico Argentina: 190. 2004; *Leucoagaricus exannulatus* var. *globisporus* Raithelh. in Metrodiana, Sonderheft 5: 53. 2000. Holotype BAFC, IMG-71. Argentina.

Melanophyllum globisporum Baroni in Mycologia 73: 183. 1981; *Hymenagaricus globisporus* (Baroni) Heinem. in Bulletin du Jardin botanique national de Belgique 55: 493. 1985 (Nom. illegit., Art. 53.1), non *Hymenagaricus globisporus* Heinem. & Little Flower, 1984. Pakistan. Type S. Ahmad 704 (FH). {*Agaricus*}

Xanthagaricus globisporus (Heinem. & Little Flower) Little Flower, Hosag. & T.K. Abraham in New Botanist 24: 96. 1997; *Hymenagaricus globisporus* Heinem. & Little Flower in Bulletin du Jardin Botanique National de Belgique 54: 165. 1984. India, Kerala.

{*Agaricus*}

Micropsalliota globocystis Heinem. in Bull. Jard. bot. nat. Belg. 50: 57. 1980. {*Agaricus*}

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Lepiota procera var. *goossensiae* Beeli in Bull. Soc. roy. bot. Belg. 64: 211. 1932; *Macrolepiota gracilentata* var. *goossensiae* (Beeli) Heinem. in Bull. Jard. bot. nat. Belg. 39: 211. 1969 (not validly published, art. 43.1). Congo.

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- Collect. Bot. 1: 239. 1937.
 [synonym of *Macrolepiota mastoidea*]
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Lepiota gracilis Peck in Bull. Torrey bot. Cl. 26: 63. 1899. Canada.
Lepiota gracilis (Quél.) Rea, Brit. Basidiomyc.: 70. 1922, non *Lepiota gracilis* Peck, 1899;
Lepiota subgracilis.
 [see under *Lepiota subgracilis* for complete synonymy]
Micropsalliota gracilis Heinem. in Bull. Jard. bot. nat. Belg. 50: 60. 1980. {Agaricus}
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Lepiota fulvella f. *gracilis* J.E. Lange, Fl. agar. dan. 1: 32. 1935 (not valid, without Latin diagn.).
 [synonym of *Lepiota boudieri*]
Lepiota haemosperma f. *gracilis* J.E. Lange, Fl. agar. dan. 1: 37. 1935 (not valid, no Latin diagn.); *Melanophyllum echinatum* f. *gracile* (J.E. Lange) Wasser in Ukr. bot. Zh. 35: 516. 1978 (as 'gracilis').
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 [not in *Agaricaceae*]
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 [not in *Agaricaceae*]
Agaricus granulosis Batsch, Elenchus Fung. 1: 79. 1783; *Agaricus granulosis* Batsch : Fr., Syst. mycol. 1: 24. 1821; *Lepiota granulosa* (Batsch : Fr.) Gray, Nat. Arr. Br. Plants 1: 602. 1821; P. Kumm., Führ. Pilzk.: 136. 1871; *Cystoderma granulosis* (Batsch : Fr.) Fayod, 1889; *Armillaria granulosa* (Batsch : Fr.) Kauffman in Pap. Michigan Acad. Sci. 2: 60. 1923, non *Armillaria granulosa* Velen., 1947; *Cystoderma granulosis* (Batsch : Fr.) Fayod in Ann. Sci. Nat., Bot., Sér. VII, 9: 351. 1889 or *Cystoderma granulosis* (Batsch : Fr.) Kühner in Botaniste 17: 125. 1926; *Cystodermella granulosa* (Batsch : Fr.) Harmaja in Karstenia 42: 46. 2002.
 [not in *Agaricaceae*]
Lepiota grassei R. Heim, Termites et Champignons: 166. 1977. W. Africa.
Lepiota grisea Rick in Lilloa 1: 341. 1937. Brazil.

- Lepiota grisea* C.J. Sheph. & Totterdell, Mushrooms and toadstools of Australia: 73. 1988 (not valid; no Latin descr., no type; later homonym of *L. grisea* Rick, 1937). Australia.
- Lepiota olivaceomammosa* var. *grisea* Rick in Iheringia, Bot. 8: 316. 1961. Brazil.
[validly published? one coll. nr with the remark: "sine varietatis distinctione" and 7 other coll. numbers]
- Leucoagaricus gauguei* var. *griseodiscus* Bon in Doc. mycol. 20 (78): 60. 1990; *Leucoagaricus griseodiscus* (Bon) Bon & Migl. in Doc. mycol. 21 (81): 53. 1991. France. Holotypus Bon 89210.
- Lepiota griseorubescens* Dennis in Kew Bull. 15: 113. 1961. Venezuela.
- Lepiota griseosticta* J. Cifuentes & Guzmán in Boln Soc. mex. Micol. 16: 47. 1981. Mexico.
- Lepiota griseovirens* Maire in Bull. trimest. Soc. mycol. Fr. 44: 37. 1928. – *Lepiota griseovirens* subsp. *obscura* Locq. in Bull. mens. Soc. linn. Lyon 14: 61-62. 1945 (nom. nud.); *Lepiota griseovirens* var. *obscura* Bon in Doc. mycol. 6 (24): 44. 1976; *Lepiota obscura* (Locq.) Babos in Anns hist.-nat. Mus. natn. hung. 50: 89. 1958 (nom. nud.); *Lepiota obscura* (Bon) Bon in Doc. mycol. 23 (91): 33. 1993. – *Lepiota grangei* f. *brunneo-olivacea* Pilát in Acta Mus. nat. Prag. 11B (2): 9. 1955.
[see Vellinga & Huijser (1993) for a discussion of the naming and interpretations of *L. griseovirens* and of *L. pseudofelina*]
- Leucoagaricus griseus* Heinem. in Bull. Jard. bot. nat. Belg. 49: 461. 1979. Zaire. Holotypus Congo, Panzi (Kivu), V.1948, M. Goossens-Fontana 5046 (BR).
- Agaricus guadelupensis* Pat. in Bull. Soc. mycol. Fr. 15: 197. 1899. Guadeloupe. Type in FH.
[synonym of *Chlorophyllum molybdites*]
- Lepiota guatopoensis* Dennis in Kew Bull. 15: 111. 1961. Venezuela.
- Lepiota gueguenii* Sacc. & Trotter, Syll. Fung. 21: 21. 1912, nom. nov. for *Lepiota boudieri* Guég., 1908 (as *Lepiota guegueni*); *Leucocoprinus gueguenii* (Sacc. & Trotter) Locq. in Bull. mens. Soc. linn. Lyon 12: 75. 1943.
[synonym of *Leucocoprinus straminellus*]
- Agaricus guttatus* Pers. in Hoffmann, Abbildungen der Schwämme 3 : pl. 22. 1793, non *Agaricus guttatus* Schaeff., Fung. Bavariae: pl. 240. 1770, 1774; *Agaricus guttatus* Pers. : Fr., Syst. mycol. 1: 27. 1821; *Limacella guttata* (Pers. : Fr.) Konrad & Maubl., Ic. sel. Fung. 1: pl. 9. 1928; *Lepiota guttata* (Pers. : Fr.) Quél. in Bull. Soc. bot. Fr. 23: 325. ('1876') 1877.
[synonyms are *Limacella lenticularis*, and *Amanita megalodactyla*; in *Amanitaceae*]

- Agaricus rufotegulis* var. *hadriaticus* Lancon. & Nauta in Boll. Gr. micol. 'G. Bresadola' Trento 47 (2): 17. 2006 ('2004'). Italy. {**Agaricus**}
- Agaricus haematites* Berk. & Broome in Ann. Mag. nat. Hist., Ser. V, 1: 18. 1878, non *Agaricus haematites* Berk. & M.A. Curtis, 1858; *Armillaria haematites* (Berk. & Broome) Sacc., Syll. Fung. 5: 77. 1887; *Lepiota haematites* (Berk. & Broome) Ricken, Blätterpilze: 328. 1914; *Lepiota haematites* (Berk. & Broome) A. Pearson & Dennis in Trans. Br. mycol. Soc. 36: 149. 1948 (superfluous combination); *Cystoderma haematites* (Berk. & Broome) Kühner & Maire in Ic. sel. Fung. 3: pl. 237. 1924.
[not in *Agaricaceae*]
- Agaricus haematophyllus* Berk. in Mag. Zool. & Bot. 1: 507. 1837.
[synonym of *Melanophyllum haematospermum*]
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[The following list of synonyms is from Pegler (1986: 316): *Lepiota lignyodes* (Berk. & Broome) Sacc., Syll. Fung. 5: 62. 1887; *Agaricus lignyodes* Berk. & Broome in J. linn. Soc., Bot. 11: 506. 1871. Holotypus Thwaites 745 (K). – *Agaricus fumosopurpureus* Lasch in Linnaea 3: 420. 1828; *Lepiota fumosipurpurea* ???; *Cystoderma fumosopurpureum* (Lasch) Fayod in Ann. Sc. nat., Sér. VII, 9: 351. 1889. – *Agaricus hookeri* Klotzsch in Berk. in Hooker, Engl. Fl. 5(2): 97. 1836. – *Agaricus haematophyllus* Berk. in Mag. Zool. & Bot. 1: 507. 1837. – *Agaricus rhodochrous* Berk. & Broome in J. linn. Soc., Bot. 11: 551. 1871. – *Agaricus illotus* Berk. & Broome in J. linn. Soc., Bot. 11: 552. 1871; *Stropharia illota* (Berk. & Broome) Sacc., Syll. Fung. 5: 1019. 1887. – *Agaricus illotus* var. *thysanophorus* Berk. & Broome in J. linn. Soc., Bot. 11: 553. 1871. – *Agaricus eximius* Peck in Ann. Rep. N.Y. St. Mus. nat. Hist. 24: 70. 1872; *Pratella eximia* (Peck) Henn. in Engler & Prantl, Nat. Pflanzenfam. 1, 1**: 235. 1900. – *Agaricus olivaesporus* Ellis & Everh. in J. Mycol. 5: 27. 1889; *Chlorosperma olivaesporum* (Ellis & Everh.) Murrill in Mycologia 14: 97. 1922. – *Hypholoma vinosum* Kauffman, Agaric. Michigan: 261. 1918. – *Pilosace peckii* House in Bull. N.Y. State Mus. 205: 39. 1919.]
[according to Index Fungorum: *Agaricus haematospermus* Bull. ex Pers., Syn. meth. Fung. (Göttingen) 2: 261. 1801]
[N.B. there are differences in the ITS sequences between *Melanophyllum haematospermum* collections from different places]
- Lepiota haemorrhagica* Cleland in Trans. Proc. Roy. Soc. South Australia 55: 154. 1931. Australia.
[type study Grgurinovic, 1997]

- Agaricus hapalopodus* Kalchbr., Sziber. Gomb. (Fung. Sib.): 6. 1878???.; *Lepiota hapalopoda* (Kalchbr.) P. Karst. in Bidrag till Kännedom af Finlands Natur och Folk (Ryssl., Finl. Skand. Halføns Hattsvamp.) 32: 11. 1879 (Ryssl., Finl. Skand. Half. Hattsvampar 1). Siberia.
- Lepiota harithaka* T.K.A. Kumar & Manim. in Mycotaxon 107: 133. 2009. India, Kerala State. [probably belonging to *Leucoagaricus/Leucocoprinus*]
- Lepiota hederacea* Velen., Novitates mycol. nov.: 20. 1947. Czech Republic.
- Lepiota hedrychii* Velen., České Houby: 212. 1920. [considered a synonym of *Floccularia straminea* (P. Kumm.) Pouzar].
- Leucocoprinus heimii* Locq. in Rev. Mycol., Paris 17: 53. 1952 (nom. nov. for *Lepiota naucinus* sensu Locq.; no Latin diagn.; not valid); *Lepiota heimii* Locq. in Kühner & Romagn., Fl. anal. Champ. sup.: 400. 1953 (not valid); *Macrolepiota heimii* (Locq.) Bon in Doc. mycol. 11 (43): 73. 1981 (not valid); *Macrolepiota heimii* Locq. ex Bon in Bellù in Boll. Gruppo micol. Bresadola 27: 18. 1984; *Lepiota heimii* (Locq. ex Bon) Contu in Bol. Soc. Brot., sér. 2, 63: 384. 1990. [probably synonym of *Macrolepiota excoriata*]
- Micropsalliota heinemaniana* Guzm.-Dáv. in Mycotaxon 43: 201. 1992. Mexico. {Agaricus}
- Agaricus heinemannianus* Esteve-Rav. in Belg. J. Bot. 131: 164. ('1998') 1999. Spain. {Agaricus}
- Agaricus heinemanniensis* K. Natarajan & Purush. in Kavaka 22/23: 47. 1996 ('1994/1995'). India. {Agaricus}
- Leucocoprinus heinemannii* Migl. in Micol. ital. 16 (2): 8. 1987. Italy (greenhouse).
- Agaricus heinemannii* Albertó & G. Moreno in Micol. Veget. mediterr. 15: 72. 2000. {Agaricus}
- Lepiota helveola* Bres., Fungi trident. 1: 15. 1882. Italy.
- Lepiota helveoloides* Bon ex Bon & Andary in Doc. mycol. 17 (65): 52. 1986; *Lepiota helveoloides* Bon in Doc. mycol. 11 (43): 42. 1981 (nom. nud.). Typus no. 83224 in Herb. Bon, Lille.
- Agaricus hemichlorus* Berk. & Broome in J. linn. Soc., Bot. 11: 511. 1871; *Lepiota hemichlora* (Berk. & Broome) Sacc., Syll. Fung. 5: 64. 1887. Sri Lanka. [synonym of *Agaricus flavidorufus* Berk. & Broome, 1871] [type study Pegler, 1972]
- Agaricus hemisclerus* Berk. & M.A. Curtis in J. linn. Soc., Bot. 10: 282. 1869; *Lepiota hemisclera* (Berk. & M.A. Curtis) Sacc., Syll. Fung. 5: 66. 1887; *Cystolepiota hemisclera* (Berk. & M.A. Curtis) Pegler in Kew Bull. add. Ser. 9: 378. 1983; *Echinoderma hemisclerum* (Berk. & M.A. Curtis) Courtec. in Doc. mycol. 33 (131): 36. 2004. Cuba. Lectotype (Montoya & Bandala ('2005') 2006) J. Wright 120 (K). [type study Montoya & Bandala ('2005') 2006; the same collection was selected by Pegler, 1987a as lectotype]
- Agaricus hemisoödes* Berk. & M.A. Curtis in Proc. Amer. Acad. Arts Sci. 4: 111. 1858 (N. Pac. Expl. n. 3.); *Lepiota hemisoodes* (Berk. & M.A. Curtis) Sacc., Syll. Fung. 5: 45. 1887. Bonin Isl.
- Lepiota hemisphaerica* Murrill in N. Amer. Fl. 10 (1): 45. 1914. U.S.A., Tennessee. Typus W.A. Murrill 879. Tennessee, Unaka springs, Aug. 18-24. 1904. [type study Smith, 1966]
- Lepiota henningsiana* Sacc. & Dom. Sacc., Syll. Fung. 17: 5. 1905; nom. nov. for *Lepiota pulveracea* Henn., 1901, non *Lepiota pulveracea* Peck, 1900.
- Lepiota henningsii* Sacc. & P. Syd., Syll. Fung. 14: 68. 1899; nom. nov. for *Lepiota bulbipes* Henn., 1896, non *Lepiota bulbipes* (Mont.) Sacc., 1887.

- Agaricus herradurensis* Murrill in Mycologia 10: 78-79. 1918. Cuba. {Agaricus}
- Lepiota hesperidea* Risso, Flore de Nice: 576. 1844.
- Leucoagaricus hesperius* Vellinga in Mycotaxon 112: 413. 2010.
- Micropsalliota heterocystis* Heinem. in Bull. Jard. bot. nat. Belg. 58: 543. 1988. {Agaricus}
- Lepiotohyllum heterosporum* Locq. in Bull. mens. Soc. linn. Lyon 11: 42. 1942 (nom. inval., no Latin diagn.); *Lepiota heterospora* (Locq.) Pilát, Klíč k určování našich hub hřibovitých a bedlovitých: 417. 1951 (not valid); *Leucocoprinus heterosporus* (Locq.) Locq. in Bull. mens. Soc. linn. Lyon 14: 92. 1945.
- Cystolepiota hetieri* (Boud.) Singer in Beih. Sydowia 7: 67. 1973; *Lepiota hetieri* Boud. in Bull. Soc. mycol. Fr. 18: 137. 1902; *Cystoderma hetieri* (Boud.) Singer in Schweiz. Z. Pilzk. 17: 53. 1939. – *Agaricus granulatus* var. *rufescens* Berk. & Broome in Ann. Mag. nat. Hist. 5, Ser. VII: 124. 1881 (Notic. Brit. Fungi 1834); *Lepiota granulata* var. *rufescens* (Berk. & Broome) Sacc., Syll. Fung. 5: 47. 1887; *Lepiota rufescens* (Berk. & Broome) J.E. Lange in Dansk bot. Ark. 9(6): 65. 1938, non *Lepiota rufescens* Morgan, 1906; *Lepiota langei* Locq. in Bull. mens. Soc. linn. Lyon 14: 87. 1945, non *Lepiota langei* Knudsen, 1981.
- Lepiota hetieriana* Locq. in Bull. mens. Soc. linn. Lyon 14: 94. 1945 (nom. nov. for *Lepiota hetieri* sensu J.E. Lange, not valid, no Latin diagn.); *Cystolepiota hetieriana* (Locq.) Bresinsky in Bresinsky & Haas in Beih. Z. Pilzk. 1: 46. 1976. (not valid, art. 36.1).
- Lepiota hiatuloides* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 90. ('1898') 1899 (Fungi Arg. novi v. crit.); *Lepiota cepistipes* var. *hiatuloides* (Speg.) Rick in Iheringia, Bot. 8: 314. 1961 (not valid, basionym not mentioned); *Leucocoprinus cepistipes* var. *hiatuloides* (Speg.) Raithelh. in Metrodiana 15 (1): 12. 1987.
- Agaricus hillii* Murrill in Mycologia 4: 298. 1912 (as *Agaricus Hillii*). Canada, British Columbia, Mayne Island. {Agaricus}
- Echinoderma hispidum* (Gillet) Bon in Doc. mycol. 21 (82): 62. 1991; *Agaricus hispidus* Lasch in Linnaea 4: 518. 1829, non *A. hispidus* Batsch, 1783; *Lepiota hispida* (Lasch) Gillet, Hyménomycètes: 60. 1874; *Lepiota hispida* (Lasch) L. Corbière in Mém. Soc. nation. Sci. Natur. et Math. de Cherbourg 40: 38. 1929 (superfluous comb.) (according to Index of Fungi as *Lepiota aspera* var. *hispida*); *Cystolepiota hispida* (Lasch) Bon in Doc. mycol. 7 (27-28): 17. 1977; *Cystolepiota hispida* (Lasch) Bon in Doc. mycol. 11 (43): 28. 1981 (superfluous); *Cystolepiota hispida* (Gillet) Bon & Courtec. in Doc. mycol. 18 (69): 38. 1987 (superfluous).
- Lepiota holmbergi* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 97. ('1898') 1899. (Fungi Arg. novi v. crit.) Argentina.
- Agaricus holosericeus* Fr., Epicrisis: 16. 1838; *Lepiota holosericea* (Fr.) Gillet, Hyménomycètes: 67. 1874; *Leucocoprinus holosericeus* (Fr.) Locq. in Bull. mens. Soc. linn. Lyon 12: 95. 1943; *Leucoagaricus holosericeus* (Fr.) M.M. Moser, Blätter-, Bauchpilze, 1. Aufl.: 115. 1953 (not valid); *Leucoagaricus holosericeus* (Fr.) M.M. Moser, Röhrlinge, Blätterpilze, 3. Aufl.: 185. 1967.
- Agaricus holospilotus* Berk. & Broome in J. linn. Soc., Bot. 11: 497. 1871; *Lepiota holospilota* (Berk. & Broome) Sacc., Syll. Fung. 5: 53. 1887; *Leucocoprinus holospilotus* (Berk. & Broome) D.A. Reid in Mycol. Research 94: 648. 1990; *Leucoagaricus holospilotus* (Berk. & Broome) Bon in Doc. mycol. 23 (91): 33. 1993. Holotypus Thwaites 1171 (K), Sri Lanka.
[type study Pegler, 1972; type study Reid, 1990, who put straight some of Pegler's observations: germ pore present; clamp connections absent]
[according to Pegler (1972 & 1986), synonyms are: *Leucocoprinus biornatus* (Berk. &

- Broome) Locq. in Bull. mens. Soc. linn. Lyon 14: 92. 1945; *Leucoagaricus bresadolae* var. *biornatus* (Berk. & Broome) Bon in Doc. mycol. 7 (27-28): 1977; *Agaricus biornatus* Berk. & Broome in J. linn. Soc., Bot. 11: 502. 1871; *Lepiota biornata* (Berk. & Broome) Sacc., Syll. Fung. 5: 54. 1887.]
- Agaricus hondensis* Murrill in Mycologia 4: 296. 1912. U.S.A., California, La Honda.
{Agaricus}
- Agaricus hookeri* Klotzsch in Berk. in Hooker, Engl. Fl. 5(2): 97. 1836.
[synonym of *Melanophyllum haematospermum*]
- Agaricus hornei* Murrill in Mycologia 10: 80. 1918. Cuba. {Agaricus}
- Lepiota hortensis* Murrill in N. Amer. Fl. 10 (1): 59. 1914; *Leucoagaricus hortensis* (Murrill) Pegler in Kew Bull. add. Ser. 9: 414. 1983; *Chlorophyllum hortense* (Murrill) Vellinga in Mycotaxon 83: 416. 2002.
[type study Smith, 1966; Akers & Sundberg, 1997.]
[synonyms are *M. alborubescens*, *L. bispora*, *Chl. mammillatum*, *Chl. humei*, *Chl. subfulvidiscum*]
- Lepiota rhacodes* var. *hortensis* Pilát, Klíč k určování našich hub hřibovitých a bedlovitých. Agaricales: 422. 1951 (not valid, no Latin descr.); *Macrolepiota rhacodes* var. *hortensis* (Pilát) Wasser, Flora Grib. Ukr. Agar. Grib.: 298. 1980 (not valid).
- Lepiota ochraceofulva* var. *huijsmanii* Bon in Doc. mycol. 22 (88): 30. 1993. Typus Huijsman, 29.X.1958 (L).
[synonym of *Lepiota ochraceofulva*]
- Agaricus huijsmanii* Courtec. in Doc. mycol. 34 (135-136): 52. 2008, nom. nov. for *Agaricus niveolutescens* Huijsman in Persoonia 1: 323. 1960, non *Agaricus niveolutescens* Viviani, 1834. {Agaricus}
- Lepiota humei* Murrill in Lloydia 6: 220. 1943; *Chlorophyllum humei* (Murrill) Vellinga in Mycotaxon 83: 416. 2002. U.S.A., Florida.
[type studies Smith, 1966; Akers & Sundberg, 1997; synonym of *Chlorophyllum hortense*]
- Lepiota huysmanii* Wichanský in Mykol. Sborn. 37: 121. 1960; nom. nov. for *Lepiota rufescens* sensu Huijsman, 1943. (with Latin diagn., but without indication of a type collection)
- Lepiota hymenoderma* D.A. Reid in Nova Hedwigia 11, Suppl. (Coloured illustrations of rare or interesting fungi 1): 24. 1966; *Lepiota lilacea* f. *hymenoderma* (D.A. Reid) Migl. in Parliamento di Funghi: 4. 2000. Type GB, Oxfordshire, Woodstock, Blenheim Park, 1-VIII-1965, N. Sinnott.
[*Lepiota hymenoderma* and *L. lilacea* are separate species, not only because of the differences in morphology, also they do not form a monophyletic group based on nrITS sequences; Vellinga, 2003b]
- Lepiota hypholoma* Rick in Broteria, Bot. 18: 48. 1920. Brazil.
- Hymenagaricus hymenopileus* (Heinem.) Heinem. in Bulletin du Jardin Botanique National de Belgique 51: 466. 1981; *Agaricus hymenopileus* Heinem. in Bulletin du Jardin Botanique National de Belgique 50: 41. 1980. {Agaricus}
- Lepiota hystrix* F.H. Møller & J.E. Lange in J.E. Lange, Fl. agar. dan. 5: V. 1940; *Lepiota hystrix* F.H. Møller & J.E. Lange in J.E. Lange, Fl. agar. dan. 1: 26. 1935 (not valid, no Latin diagn.); *Cystolepiota hystrix* (F.H. Møller & J.E. Lange) Knudsen in Bot. Tidsskr. 73: 128. 1978; *Echinoderma hystrix* (F.H. Møller & J.E. Lange) Bon in Doc. mycol. 21 (82): 63. 1991. Denmark.

- Leucoagaricus ianthinofuscus* (Locq.) Singer; *Lepiota ianthinofusca* Locq.
[probably a mis-spelling for *Leucoagaricus ianthinophaeus*]
- Leucoagaricus ianthinophaeus* Locq. in Bull. trimest. Soc. mycol. Fr. 68: 177. 1952. France.
isotype in MICH
[spores 4.7-6 x 3.4-4 µm, stipe white, pileus covering irr. with tufts of cyl. el., with
inflated elements as well, cheilo clav., annulus absent, but with velar remnants at pileus
margin]
- Lepiota ianthinosquamulosa* Pegler in Kew Bull. add. Ser. 9: 389. 1983. Martinique.
- Leucoagaricus ianthinosquamulosus* Guinb. in Doc. mycol. 22 (88): 10. 1993. Holotypus
86100413-JC in herb. Lille. France.
- Leucoagaricus ianthinoxanthus* Locq. ???
[see Bon, 1976]
- Microsalliota ianthina* Heinem. in Bull. Jard. bot. nat. Belg. 50: 56. 1980. {Agaricus}
- Leucocoprinus ianthinus* (Cooke → Sacc.) Locq. in Bull. mens. Soc. linn. Lyon 14: 94. 1945;
Agaricus ianthinus Cooke in Grevillea 16: 101. 1888 (illegitimate later homonym of
Agaricus janthinus Fr. : Fr., 1821); *Lepiota ianthina* (Cooke →) Sacc., Syll. Fung. 9: 10.
1891; *Leucocoprinus ianthinus* (Cooke → Sacc.) P. Mohr in Boletus 18: 48. ('1992')
1994 (superfluous). – *Lepiota lilacinogranulosa* Henn. in Verh. bot. ver. Prov.
Brandenb. 40: 145. 1898; *Leucocoprinus lilacinogranulosus* (Henn.) Locq. in Bull. mens.
Soc. linn. Lyon 12: 94. 1943; *Leucocoprinus lilacinogranulosus* (Henn.) Bon et al. in
Doc. mycol. 19 (75): 53. 1989 (superfluous); *Hiatula cepistipes* var. *lilacinogranulosa*
(Henn.) R. Heim & Romagn. in Bull. trimest. Soc. mycol. Fr. 50: 184. 1934.
- Cystolepiota icterina* Knudsen in Bot. Tidsskr. 73: 130. 1978; *Lepiota icterina* F.H. Møller in
Friesia 7: 453. ('1965') 1967 (nom. nud.). Denmark.
- Leucoagaricus idae-fragum* Guinb., Boisselet & G. Dupuy in Bull. trimest. Soc. mycol. Fr. 114
(3): 14. 1998. Typus 97113001 J.G. Oléron, (LIP). France.
[probably synonym of *Lepiota decorata* Zeller]
- Lepiota ignicolor* Bres., Fungi trident. 2: 3. 1892. Italy.
- Lepiota ignipes* Locq. in Bull. mens. Soc. linn. Lyon 14: 59. 1945 (nom. nud.); *Lepiota ignipes*
Locq. ex Bon in Doc. mycol. 8 (30-31): 70. 1978. France
[synonym of *Lepiota castanea* or *Lepiota rufidula* – see Migliozi & Zecchin, 2000]
- Lepiota ignivolvata* Bousset & Joss. in Joss. in Riv. Micol. 33: 123. 1990; *Lepiota ignivolvata*
Bousset & Joss. in Joss. in Bull. trimest. Soc. mycol. Fr. 64: 5. 1948 (not valid, no Latin
diagn.); *Lepiota ignivolvata* Bousset & Joss. in Joss. in Bull. mens. Soc. linn. Lyon 41: 5.
1972 (Latin diagn., no type coll. indicated); *Lepiota ignivolvata* Bousset & Joss. in Joss.
in Bull. mens. Soc. linn. Lyon 58: 328. 1989 (not valid).
- Agaricus illinitus* Fr. : Fr., Syst. mycol. 1: 23. 1821; *Lepiota illinita* (Fr. : Fr.) Quél., Champ. Jura
Vosges 2: 338. 1873; *Limacella illinita* (Fr. : Fr.) Murrill in N. Amer. Fl. 10: 40. 1914.
[in *Amanitaceae*]
- Agaricus illotus* Berk. & Broome in J. linn. Soc., Bot. 11: 552. 1871; *Stropharia illota* (Berk. &
Broome) Sacc., Syll. Fung. 5: 1019. 1887.
[synonym of *Melanophyllum haematospermum*]
- Lepiota imbricata* Henn. in Hedwigia 34: 333. 1895; *Macrolepiota imbricata* (Henn.) Pegler in
Persoonia 4: 78. 1966. Adi-Quieh, Ethiopia, Alt. 2,000 m, 12 May 1894, leg. G.
Schweinfurth. S.
- Leucocoprinus imerinensis* Bouriquet in Bull. Acad. malgache, n.S. 24: 63. 1941. Madagascar.
[judging from the plate a volvate *Macrolepiota* species]

- Leucoagaricus imperialis* (Speg.) Pegler, *Agarics São Paulo*: 33. 1997; *Lepiota imperialis* Speg. in *Bol. Acad. Nac. Sci. Cordoba* 11: 382. 1889. Brazil.
- Agaricus implanus* Berk. in *Hook. J. Bot.* 4: 98. 1852 (Decades of fungi no. 363.); *Lepiota implana* (Berk.) Sacc., *Syll. Fung.* 5: 41. 1887. Moflong. Khassya. Aug. 3, 1850.
- Lepiota incarnata* (Clem.) Sacc., *Syll. Fung.* 14: 65. 1899; *Mastocephalus incarnatus* Clem. in *Bot. Survey Nebraska* 4, Lincoln: 17. 1896. U.S.A., Nebraska.
- Lepiota incarnata* Beeli in *Bull. Soc. roy. bot. Belg.* 59: 108. 1927, non *Lepiota incarnata* (Clem.) Sacc., 1899. Congo.
- Agaricus procerus* var. *incarnatus* Roum., *Flore mycologique du département de Tarn-et-Garonne*: 55. 1879.
- Lepiota incerta* Mattir. in *Memorie Reale Accademia dei Lincei* 12, fasc. 11: (562) 30. 1918; *Leucocoprinus flos-sulphuris* var. *incertus* (Mattir.) Cejp in *Česká Mykol.* 2: 82. 1948.
- Lepiota inclinata* Rick in *Lilloa* 1: 335. 1937. Brazil.
- Lepiota inconspicua* Ito & S. Imai in *Trans. Sapporo Nat. Hist. Soc.* 16: 11. 1939. Bonin Isl.
- Lepiota epicharis* var. *indica* Natarajan & Manjula in *Mycologia* 74: 136. 1982. India.
- Agaricus inebriatus* Berk. & Broome in *J. linn. Soc., Bot.* 11: 497. 1871; *Lepiota inebriata* (Berk. & Broome) Sacc., *Syll. Fung.* 5: 54. 1887. Holotypus Thwaites 780 (K).
[synonym of *Leucocoprinus zeylanicus*, see Pegler, 1972]
- Lepiota infelix* E. Horak in *Sydowia* 33: 133. ('1980') 1981. Papua New Guinea.
- Leucocoprinus inflatus* Raithelh. in *Metrodiana* 13: 39. 1987 (not valid, no Latin diagn.); nom. nov. for *Lepiota trombophora* sensu Rick, 1961. Brazil.
- Lepiota infundibuliformis* Jacobasch in *Verh. bot. Ver. Brandenburg* 33: 62. 1891.
- Leucoagaricus infuscatus* Vellinga in *Mycotaxon* 102: 275. 2007. U.S.A., California. Mycobank 511150.
- Lepiota ingrata* Rick in *Iheringia, Bot.* 8: 311. 1961. Brazil. Typus fungi rickiani 17217, S. Salvador 1943.
- Agaricus inoculatus* Fr., *Epicrisis*: 19. 1838; *Lepiota inoculata* (Fr.) Sacc., *Syll. Fung.* 5: 71. 1887. Italy.
- Agaricus (Annularia) insignis* Cooke & Masee in *Cooke in Grevillea* 18: 3. 1889, non *Agaricus insignis* Cooke & Masee, 1891(=*Metraria insignis* Cooke & Masee in Sacc., 1891); *Annularia insignis* (Cooke & Masee) Sacc., *Syll. Fung.* 9: 82. 1891; *Chamaeota insignis* (Cooke & Masee) Pegler in *Aust. J. Bot.* 13: 337. 1965. Australia. {Agaricus}
[a real *Agaricus* species, fide P.A. Moreau pers. comm., who studied the type collection]
- Lepiota insimulata* E. Horak in *Sydowia* 33: 123. ('1980') 1981. Papua New Guinea.
- Agaricus iocephalopsis* Zhu L. Yang in *Mycotaxon* 75: 433. 2000 (as *Agaricus iocephalopsis*); *Agaricus iocephalus* Pat. in *Bull. Soc. mycol. Fr.* 29: 217. 1913 (nom. illegit., Art. 53.1), non *Agaricus iocephalus* Berk. & M.A. Curtis, 1853. Vietnam.
{Agaricus}
[type study Yang, 2000]
- Leucoagaricus ionidicolor* Bellù & Lanzoni in *Riv. Micol.* 31: 107. 1988. Spain. Holotypus leg. M. Hairaud, 4-XI-1987, Hispania, prope Espinelves, in *Historiae naturalis tridentini Musei* n. 88/001.
- Leucoagaricus irinellus* Chalange in *Bull. trimest. Soc. mycol. Fr.* 115: 385-386. 1999. Holotypus prope Saint André (Pyrénées orientales), 21-VIII-1997, no. 99692 (PC); isotypus no. 97082101 RC, in herb. Chalange. France.
- Lepiota olivaceomammosa* var. *irritans* Raithelh. in *Metrodiana* 16: 19. 1988. Typus no. 20624 in Herb. Anch. sub nom. *L. olivaceomammosa*.

Lepiota irrorata Quél. in C. r. Ass. franç. Av. Sci. (La Rochelle 1882) 11: 387. 1883 (Suppl. Champ. Jura Vosges 11); *Lepiotella irrorata* (Quél.) Konrad in Schweiz. Z. Pilzk. 12: 177. 1934; *Drosella irrorata* (Quél.) Kühner & Maire in Bull. trimest. Soc. mycol. Fr. 50: 15. 1934 (nom. invalid).

[synonym of *Chamaemyces fracidus*]

Lepiota islagarciae Raithelhuber in Metrodiana, Sonderheft 5: 53. 2000.

Lepiota ivoriensis R. Heim, Termites et Champignons: 165. 1977. Ivory Coast.

Lepiota izonetae Singer in Fieldiana, Bot., n.S. 21: 100. 1989

- Lepiota jacobii* Vellinga & Knudsen in Vellinga in Persoonia 14: 407. 1992, nom. nov. for *Lepiota langei* Knudsen in Bot. Tidsskr. 75: 130. 1980, non *Lepiota langei* Locq., 1945; *Echinoderma jacobii* (Vellinga & Knudsen) Rald et al. in Svampe 26: 36. 1992 (not valid, basionym not given; as *E. jacobii*); *Echinoderma jacobii* (Vellinga & Knudsen) Gminder in Krieglsteiner (ed.) Die Großpilze Baden-Württembergs 4. Ständerpilze: Blätterpilze II: 443. 2003; nom. nov. for *Lepiota langei* Knudsen in Bot. Tidsskr. 75: 130. 1980, non *Lepiota langei* Locq., 1945.
[erroneously in Index of Fungi as *Lepiota jacobii*, but corrected in Jan. 2006 issue]
- Lepiota jacquieri* Fillion in Bull. Féd. mycol. Dauphiné-Savoie 138: 22. 1995. France.
- Lepiota jamaicensis* Murrill in Mycologia 3: 87. 1911. Jamaica.
[Murrill 1911: "Pileus 10 cm. in diameter, convex to plane, with a prominent hemispherical umbo, cespitose on dead wood, the entire sporophore becoming reddish-brown when bruised or on drying; surface dry, white or very pale yellowish, adorned with brownish, floccose scales 1 mm. broad, the remains of the cuticle; umbo brown, minutely scaly; context thin, white; lamellae free, white, becoming discolored when the spores mature; spores ovoid, rounded at both ends, not apiculate, often uninucleate, very pale brown, 9 X 6-7 μ ; stipe enlarged at the base, tapering upward, 10 cm. or more long, 1.7 cm. thick below, 0.7 cm. thick above, subglabrous, slightly reddish-brown; annulus large, superior, movable, reddish-brown."]
[type study Smith & Weber, 1987]
- Lepiota japonica* A. Kawam., Ic. Jap. Fungi 4: 475. 1954 (not valid, no Latin diagn.); *Lepiota japonica* A. Kawam. ex Hongo in Mem. Fac. lib. Arts Educ. Shiga Univ., nat. Sci. 9: 75. 1959; *Leucocoprinus japonicus* (A. Kawam. ex Hongo) S. Ito in Mycol. Fl. Japan 2: 272. 1959; *Leucoagaricus japonicus* (A. Kawam. ex Hongo) Hongo in Trans. mycol. Soc. Japan 27: 107. 1986. Japan.
[Hongo's type collection of *Lepiota japonica* A. Kawam. ex Hongo has been preserved in the Herbarium of National Science Museum Tokyo(TNS). Please contact Dr. Yoshimichi Doi. Herbarium, Botany Department, National Science Museum, 3-23-1 Hyakunin-cho, Shinjuku-ku, Tokyo 169-0073, JAPAN]
- Lepiota johnsonii* Masee in Kew Bull. 1901: 161. 1901. 'Gold coast, Africa'.
Agaricus johnstonii Murrill in Mycologia 10: 75-76. 1918. Porto Rico. {Agaricus}
- Lepiota josserandii* Bon & Boiffard in Bull. trimest. Soc. mycol. Fr. 90: 289. ('1974') 1975 (based on *Lepiota helveola* sensu Josserand, 1931); *Leucoagaricus josserandii* (Bon & Boiffard) Raithelh. in Metrodiana 17: 75. 1989 (not valid, 'ad interim'); *Lepiota subincarnata* var. *josserandii* (Bon & Boiffard) Gminder in Beitr. Kenntn. Pilze Mitteleur. 12: 69. 1999. France.
[synonym of *Lepiota subincarnata*]
- Lepiota jubilaei* Joss. in Bull. mens. Soc. linn. Lyon 43 (num. spéc.): 216. 1974; *Leucoagaricus jubilaei* (Joss.) Bon in Doc. mycol. 12 (48): 44. ('1982') 1983; *Leucocoprinus jubilaei* (Joss.) Wasser in Nov. Syst. Plant. vasc. non vasc. 2: 191-192. 1975-1976; *Leucocoprinus jubilaei* (Joss.) M.M. Moser in Gams, Kl. Kryptog.Fl. 2b/2, Ed. 4: 248. 1978; *Leucocoprinus jubilaei* (Joss.) Babos in Beih. Sydowia 8: 40. 1979. France.
[considered (erroneously) a synonym of *La. babosiae* by Lange, 2008]
- Lepiota jujuyensis* Speg. in An. Mus. nac. Buenos Aires 19: 261. 1909. Argentina.
- Lepiota juniperina* Murrill in N. Amer. Fl. 10 (1): 46. 1914. U.S.A., TN.
[type study Smith, 1966]

- Agaricus kai* K.R. Peterson, Desjardin & Hemmes in *Sydowia* 52: 227. 2000. U.S.A., Hawaii. {Agaricus}
- Lepiota kammala* Grgur., *Larger Fungi of South Australia* (Adelaide): 462. 1997. Holotypus AD 12148. Australia.
- Lepiota kauffmanii* Zeller in *Mycologia* 25: 381. 1933 (as *Lepiota kaufmanni*). U.S.A., Oregon. Holotypus S.M. Zeller, Alsea Mountain, U.S.A., Oregon (NY). [type study Smith, 1966; Vellinga, ined.; in the group of *Lepiota cristata*]
- Macrolepiota kerandi* (Speg.) Singer in *Lilloa* 22: 417. ('1949') 1951; *Lepiota kerandi* Speg. in *An. Mus. nac. Buenos Aires, Ser. II, 6: 83.* ('1898') 1899. (Fungi Arg. novi v. crit.) Argentina.
- Agaricus kiawetes* K.R. Peterson, Desjardin & Hemmes in *Sydowia* 52: 230. 2000. U.S.A., Hawaii. {Agaricus}
- Lepiota kigumuensis* Pegler in *Kew Bull. add. Ser. 6: 354.* 1977. Kenya.
- Agaricus kipukae* K.R. Peterson, Desjardin & Hemmes in *Sydowia* 52: 231-232. 2000. U.S.A., Hawaii. {Agaricus}
- Hymenagaricus kivuensis* Heinem. in *Bulletin du Jardin Botanique National de Belgique* 54: 290. 1984. Zaïre. {Agaricus}
- Endoptychum kolya* Grgur., *Larger Fungi of South Australia* (Adelaide): 437. 1997. Holotype AD 9767. South Australia. {SEC} [position within the *Agaricaceae* not yet established]
- Lepiota konradii* Huijsman ex P.D. Orton in *Trans. Br. mycol. Soc.* 43: 283. 1960; *Lepiota excoriata* var. *konradii* Huijsman in *Meded. Ned. mycol. Vereen.* 28: 18. 1943 (nom. nov. for *Lepiota excoriata* subsp. *mastoidea* sensu Konr & M.; no Latin diagn.; as *konradi*); *Leucocoprinus excoriatus* var. *konradi* (Huijsman) Locq. in *Rev. Mycol., Paris* 17: 52. 1952 (not valid); *Macrolepiota konradii* (P.D. Orton) Marchand, *Champ. Nord Midi* 1: 224. 1971 (basionym not mentioned); *Macrolepiota konradii* (P.D. Orton) M.M. Moser in *Gams, Kl. Kryptog.Fl. 2b/2, Ed. 3: 185.* 1967; *Macrolepiota procera* var. *konradii* (Huijsman ex P.D.Orton) Gminder in *Krieglsteiner (ed.) Die Großpilze Baden-Württembergs 4. Ständerpilze: Blätterpilze II: 443.* 2003. Type GB, Surrey, Kew Green, 15-XI-1945, R.W.G. Dennis (K).
- Agaricus kotlabae* Hlaváček in *Mykol. Sborn.* 79: 6-7. 2002. Czech Republic. {Agaricus}
- Lepiota kuehneri* Huijsman ex Hora in *Trans. Br. mycol. Soc.* 43: 448. 1960; *Lepiota kuehneri* Huijsman in *Meded. Ned. mycol. Vereen.* 28: 27. 1943 (no Latin descr., nom. nov. for *Lepiota clypeolarioides* sensu Kühner, 1936). Holotypus Wakefield, Reading, Berkshire, 20 Oct. 1956, herb. Hora. [N.B. Hora gives a literal translation of Kühner's description into Latin and English, but indicates a different, British, collection as the type, which is lost.]
- Lepiota kuehneriana* Locq. in *Friesia* 5: 296. 1956.
- Agaricus urinascens* var. *kuehnerianus* (Heinem.) Courtec. in *Doc. mycol.* 34 (135-136): 48. 2008; *Agaricus kuehnerianus* Heinem. in *Bull. Soc. mens. linn. Lyon* 43 (num. spéc.): 181. 1974. {Agaricus}
- Agaricus kunzei* Fr., *Fungi natal.:* 3. 1848; *Lepiota kunzei* (Fr.) Sacc., *Syll. Fung.* 5: 30. 1887.

- Lepiota lacerata* Velen., Novitates mycol.: 52. 1939. Czech Republic.
- Leucocoprinus lacrymans* T.K.A. Kumar & Manim. in Mycotaxon 90: 393. 2004. India.
- Lepiota lactea* Murrill in Mycologia 3: 81. 1911; *Lepiota micropholis* var. *lactea* (Murrill) Dennis in Kew Bull. 7: 472. 1952. *Leucocoprinus lacteus* (Murrill) Singer, Agar. mod. Taxon., Ed. 4: 480. 1986. Cuba.
[type study Smith, 1966; Pegler, 1987b; see also Dennis, 1952. Pegler does not agree with Dennis about making this taxon a variety of *Lepiota micropholis*]
- Micropsalliota laeta* Heinem. in Bull. Jard. bot. nat. Belg. 50: 58. 1980. {Agaricus}
- Lepiota laeviceps* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 86-87. ('1898') 1899. (Fungi Arg. nov. v. crit.) Argentina.
- Lepiota felina* var. *laeviceps* Rick in Iheringia, Bot. 8: 317. 1961. Brazil.
[“Pileo albo, squamuloso, centro rubro-atro, stipite non punctato, sporis 8-10x4 µm, cuneatis”]
[N.B. no type indicated.]
- Clarkeinda caparidensis* f. *laeviceps* Cout. in Bol. Soc. Broteriana 9: 210. 1934. {Agaricus}
- Lepiota gracilis* var. *laevigata* J.E. Lange in Dansk bot. Ark. 2 (3): 24. 1915; *Lepiota laevigata* (J.E. Lange) J.E. Lange in Dansk bot. Ark. 4 (4): 47. 1923; *Lepiota oreadiformis* var. *laevigata* (J.E. Lange) Bon in Doc. mycol. 22 (88): 28. 1993.
[synonym of *Lepiota pratensis*, *Lepiota oreadiformis*]
- Lepiota erythrella* subsp. *laevigatula* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 93. ('1898') 1899. (Fungi Arg. novi v. crit.) Argentina.
- Lepiota lanata* Rick in Broteria, Bot. 18: 51. 1920. Brazil.
- Lepiota holosericea* f. *lanata* Rick in Lilloa 1: 328. 1937. Brazil.
- Agaricus lanatorubescens* K.R. Peterson, Desjardin & Hemmes in Sydowia 52: 235. 2000. U.S.A., Hawaii. {Agaricus}
- Lepiota langei* Locq. in Bull. mens. Soc. linn. Lyon 14: 95. 1945, nom. nov. for *Lepiota rufescens* Lange; *Cystolepiota langei* (Locq.) Bon in Doc. mycol. 22 (88): 27. 1993.
[synonym of *Cystolepiota hetieri*]
- Lepiota langei* Knudsen in Bot. Tidsskr. 75: 130. 1980, non *Lepiota langei* Locq., 1945; *Lepiota jacobi* Vellinga & Knudsen, 1992. Denmark
- Lepiota lanosofarinosa* Rick in Lilloa 1: 335. 1937; *Smithiomyces lanosofarinosa* (Rick) Raitelth. in Metrodiana 16 (1-3): 24. 1988. Brazil.
- Leucocoprinus lanzonii* Bon, Migl. & Brunori in Doc. mycol. 19 (75): 53. 1989. Holotype in herb. V. Migliozi 57/88. Italy.
- Agaricus laskibarii* L.A. Parra & P. Arrill. in Doc. mycol. 31 (124): 34. 2002. France.
{Agaricus}
- Lepiota lateritia* Beeli in Bull. Soc. roy. bot. Belg. 64: 213. 1932. Congo.
[Type study Franco-Molano, 1995; synonym of *Rugosospora ochraceobadia*]
- Micropsalliota lateritia* Heinem. in Bull. Jard. bot. nat. Belg. 50: 53. 1980. {Agaricus}
- Lepiota lateritiopurpurea* Vasil'eva in Agarikovye Shlyapochnye Griby (por. Agaricales) Primorskogo Kraya: 181. 1973. USSR.
- Hymenagaricus laticystis* Heinem. in Bulletin du Jardin Botanique National de Belgique 55(3-4): 493. 1985. Burundi. {Agaricus}
- Lepiota latifolia* Contu in Micol. ital. 23 (2): 115. 1994. Italy, Sardinia, Holotypus CAG 89374.
- Lepiota latispora* (Kühner ex Wasser) Bon in Doc. mycol. 11 (43): 30. 1981; *Lepiota clypeolaria* var. *latispora* Kühner ex Wasser in Ukr. bot. Z. 35: 518. 1978; *Lepiota clypeolaria* var. *latispora* Kühner in Bull. trimest. Soc. mycol. Fr. 52: 230. 1936.

- Lepiota latisquamosa* Velen., České Houby: 212. 1920.
- Lepiota lavandulae* Cooke & Masee in *Grevillea* 16: 72. 1887, nom. nov. for *Lepiota columbicolor* Cooke & Masee. Australia.
- Agaricus lenticularis* Lasch in *Linnaea* 3: 18 (or 157). 1828; *Agaricus lenticularis* Lasch : Fr., *Syst. mycol.* 3, Index: 27. 1832; *Amanitella lenticularis* (Lasch : Fr.) Maire in *Annls mycol.* 11: 337.1913; *Lepiota lenticularis* (Lasch : Fr.) Gillet, *Hyménomycètes* (Alençon): 66. 1874; *Limacella lenticularis* (Lasch : Fr.) Maire in *Bull. trimest. Soc. mycol. Fr.* 40: 294. 1924; *Myxoderma lenticulare* (Lasch : Fr.) Kühner in *Le Botaniste* 17: XXX.1926.
[synonym of *Limacella guttata*; in *Amanitaceae*]
- Lepiota lentiginosa* Pegler in *Kew Bull. add. Ser.* 6: 361. 1977. Uganda.
- Lepiota leontoderes* (Berk. & Broome) Sacc., *Syll. Fung.* 5: 66. 1887; *Agaricus leontoderes* Berk. & Broome in *J. linn. Soc., Bot.* 11: 499. 1871. Sri Lanka. Holotypus Thwaites 1200 (K).
[type study Pegler, 1972]
- Lepiota lepida* Guinb. & M. Bodin in *Doc. mycol.* 23 (92): 61. 1994. France.
- Lepiota lepidophora* (Berk. & Broome) Sacc., *Syll. Fung.* 5: 54. 1887; *Agaricus lepidophorus* Berk. & Broome in *J. linn. Soc., Bot.* 11: 498. 1871. Sri Lanka. Holotypus Thwaites 36 (K).
[type study Pegler, 1972]
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[in *Lyophyllaceae*]
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 [synonym of *C. fumosifolia* (Murrill) Vellinga]
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 [type study Saar & Læssøe, 2008].
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 [type study Yang, 2000; probably a synonym of *Leucocoprinus fragilissimus*]
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 [synonym of *Leucocoprinus birnbaumii*]
 [if the lying arrow is not accepted the following author citations apply: *Lepiota lutea* Godfrin; *Leucocoprinus luteus* (Godfrin) Locq. etc.]
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 [type study Smith, 1966: 109: “this species has been put into synonymy with *L. clypeolaria*, which seems reasonable”; type study Vellinga, 2000.]
 [synonym with *Lepiota ventriospora*, *Lepiota claviceps*, *Lepiota fusispora* Kauffman]
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 [based on *Lepiota menieri* Sacc. sensu Maire, non Singer]
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 [Heim, R., (‘1940’) 1941. Études descriptives et expérimentales sur les Agarics termitophiles d’Afrique tropicale. Académie des sciences de l’institut de France – mémoires 64: 1-74. Heim described *Termitomyces mammiformis*, but without a Latin diagnosis, and only with ‘mammiformis’ as heading. At the end of the discussion of this species he mentions that it is close to «*Lepiota*» *LeTestui* – this might be the origin for

- the name *Lepiota mammiformis* in the Index of Fungi; see *Termitomyces mammiformis* R. Heim in Arch. Mus. nat. Hist. nat. Paris, Sér. 6 Xviii: 147. 1942]
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[type study Akers & Sundberg, 1997]
[synonym of *Chl. hortense*]
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[type study Pegler, 1972]
[a non-mycorrhizal *Amanita* species in *Amanitaceae*]
- Lepiota manilensis* Copel. in Annales mycologici 3: 29. 1905. Philippine Islands.
[N.B. Copeland also described *Agaricus manilensis*, on page 28]
- Agaricus manilensis* Copel. in Annales mycologici 3: 28. 1905. Philippine Islands. {*Agaricus*}
- Lepiota marasmioides* Speg.
[cited in Wheldon, 1914, but the compilers of Spegazzini's names could not find any trace of this name in Spegazzini's publications, perhaps Wheldon meant *Lepiota submarasmioides*]
- Lepiota marginata* Burl. in Mycologia 37: 55. 1945; *Leucoagaricus marginatus* (Burl.) Boisselet in Bull. trimest. Soc. mycol. Fr. 117: 184. 2002 ('2001'). U.S.A., California. Type 13 April 10-1937; Point Lobos, CA, on the ground under Monterey cypress trees. Oregon State agricultural college Corvallis.
[“Pileo primo late convexo, deinde plano aut in centro subdepresso, incarnato et in centro brunneo-rufo (302 t-1), minute floccoso sed centro cuticula integra velato, viscidulo cum udus est, 4-5.7 cm. lato; carne alba, immutabili, sapore grato, inodora; lamellis albis, liberis sed non remotis, ventricosi, minute serratis; sporis albis, 4.3-5.3 μ x 6.25-7.5 μ ; stipite albo supra annulum, brunnescente infra annulum, pruinoso-floccoso ad apicem, dilatato infra apicem, postea cavo, 3-5 cm. x 1-1.5 cm.; annulo aut medio aut aliquantulum supero, rufo-brunneo (302) aut incarnato margine, pendulo, 3-6 mm. lato.”]
[type study Sundberg, 1976. type now in NY]
- Lepiota molybdites* var. *marginata* A.H. Sm., Mushrooms in their natural habitats: 429. 1949. U.S.A.
- Lepiota marriagei* D.A. Reid in Nova Hedwigia 11, Suppl.: 20. 1966 (Fung. rar. ic. Col. 1); *Leucoagaricus marriagei* (D.A. Reid) Bon in Doc. mycol. 6 (24): 44. 1976. Type GB, Somerset, Bridgwater, Higher Merridge, 25-VIII-1960, E.A. Marriage.
[Probably synonymous is *Leucoagaricus marriagei* var. *ammovirescens* Bon in Doc. mycol. 22 (88): 31. 1993. Holotypus no. 83329, herb. Bon.]
[*Leucoagaricus marriagei* is identical with *Lepiota roseolivida* Murrill, which is the older name; see Velli]
- Cystolepiota marthae* Singer in Beih. Nova Hedwigia 29: 168. 1969. Argentina.
- Agaricus martialis* Cooke & Masee in Cooke in Grevillea 16: 101. 1888; *Lepiota martialis* (Cooke & Masee) Sacc., Syll. Fung. 9: 10. 1891. UK, hothouse.
- Agaricus martineziensis* Heinem. in Bull. Jard. bot. nat. Belg. 60: 339. 1990, nom. nov. for *Agaricus volvatus* A.T. Martínez, 1957, non *Agaricus volvatus* Peck, 1872. {*Agaricus*}

- Agaricus martinicensis* Pegler in Kew Bull., addit. Ser. 9: 446. 1983. Martinique. {Agaricus}
- Agaricus mastoideus* Fr. : Fr., Syst. mycol. 1: 20. 1821; *Lepiota mastoidea* (Fr. : Fr.) P. Kumm., Führ. Pilzk.: 135. 1871; *Lepiotophyllum mastoideum* (Fr. : Fr.) Locq. in Bull. mens. Soc. linn. Lyon 11: 40. 1942 (nom. inval.); *Leucocoprinus mastoideus* (Fr. : Fr.) Locq. in Bull. mens. Soc. linn. Lyon 14: 46. 1945; *Macrolepiota mastoidea* (Fr. : Fr.) Singer in Lilloa 22: 417. ('1949') 1951.
- Leucocoprinus maublancii* Locq. in Bull. mens. Soc. linn. Lyon 14: 92. 1945 (not valid).
- Lepiota mauritiana* Henn. in Voeltzkow, Reise OstAfrika III: 27. 1908; *Leucocoprinus mauritianus* (Henn.) P. Mohr in Feddes Repertorium 115: 31. 2004. Isl. Mauritius.
- Lepiota fusispora* var. *maxima* Beeli in Bull. Soc. roy. bot. Belg. 64: 218. 1932. Congo.
- Agaricus mcmurphyi* Murrill in Mycologia 4: 299. 1912. U.S.A., California (near Searsville Lake). {Agaricus}
- Limacella mcmurphyi* Murrill in Mycologia 4: 212. 1912; *Lepiota mcmurphyi* (Murrill) Murrill in Mycologia 4: 217. 1912. U.S.A., California.
[in *Amanitaceae*]
- Lepiota medioflava* Boud. in Bull. Soc. mycol. Fr. 10: 59. 1894; *Leucocoprinus medioflavus* (Boud.) Bon in Doc. mycol. 6 (24): 45. 1976. France, hothouse.
- Leucoagaricus medioflavoides* Bon in Doc. mycol. 6 (24): 44. 1976; *Sericeomyces medioflavoides* (Bon) Contu in Cryptog. Mycol. 12: 6. 1991. Germany.
- Lepiota mediorosea* Contu in Bol. Soc. micol. Madrid 23: 44-45. 1998. Typus 'Sardegna, prov. Cagliari, Cagliari-città, Orto Botanico dell'Università, 2-XI-1992, M. Contu 92/161 (CAG).'
- Macrolepiota procera* var. *mediterranea* Bon in Doc. mycol. 23 (89): 62. 1993. France, holotype LILLE, Bon 91-1422.
- Lepiota medullaris* Rick in Iheringia, Bot. 8: 312. 1961; *Chamaemyces medullaris* (Rick) Raithelh. in Metrodiana 16: 25. 1988. Brazil. Typus Fungi rickiani 22581, S. Salvador 1944.
- Agaricus medullatus* Fr., Epicrisis: 19. 1838; *Lepiota medullata* (Fr.) Sacc., Syll. Fung. 5: 69. 1887; *Leucoagaricus medullatus* (Fr.) Bon in Doc. mycol. 7 (27-28): 22. 1977; *Sericeomyces medullatus* (Fr.) Bon in Doc. mycol. 23 (89): 61. 1993.
- Micropsalliota megabrunnescens* R.L. Zhao, Desjardin, K. Soyton & K.D. Hyde in Fungal Diversity 45: 64. 2010. Thailand. {Agaricus}
- Lepiota lenticularis* var. *megalodactylus* (Berk. & Broome) Rea, Brit. Basidiomyc.: 80. 1922; *Agaricus megalodactylus* Berk. & Broome in Berk., Outl. Brit. Fung. (London): 91. 1860; *Amanita megalodactyla* (Berk. & Broome) Sacc., Syll. Fung. 5: 20. 1887.
[synonym of *Limacella guttata*; in *Amanitaceae*]
- Agaricus megalotheles* Kalchbr. in Proc. linn. Soc. N.S.W. 7: 563. 1883; *Lepiota megalotheles* (Kalchbr.) Sacc., Syll. Fung. 9: 1. 1891. Australia.
- Micropsalliota megaspora* R.L. Zhao, Desjardin, K. Soyton & K.D. Hyde in Fungal Diversity 45: 47. 2010. Thailand. {Agaricus}
- Agaricus meijeri* Heinem. in Bull. Jard. bot. nat. Belg. 62: 368. 1993. Brazil. {Agaricus}
- Hiatula melanoloma* Singer in Bot. Mater. (Not. syst. Sect. crypt. Inst. bot. Acad. Sci. URSS) 4: 12. 1938; *Leucocoprinus melanoloma* (Singer) Singer in Lilloa 22: 424. ('1949') 1951. on or near *Cyathea mexicana* in a greenhouse. Leningrad.
- Agaricus melanops* Westend. in Bull. Acad. roy. sci. Belgique, II Sér., 11: 654-655. 1861; *Mycena melanops* (Westend.) Gillet, Hyménomycètes: 261. 1876. Belgium, prov. Oost-Vlaanderen, Lembeken, in greenhouse, no type material.

- [according to Maas Geesteranus (1984) belonging to lepiotoid agarics, most probably a *Leucocoprinus* species (Walley, pers. comm.)]
- Lepiota melanotricha* Malençon & Bertault, Fl. Champ. sup. Maroc 1: 134. 1970; *Leucoagaricus melanotrichus* (Malençon & Bertault) Trimbach in Doc. mycol. 5 (20): 42. 1975. Typus in herb. Malençon no. 4122. Morocco.
- Leucocoprinus heinemannii* var. *melanotrichoides* P. Mohr in Feddes Repertorium 115: 33. 2004. In greenhouse (no locality of the greenhouse given). Type in K.
- Leucocoprinus meleagris* (Sowerby) Locq. in Bull. Soc. linn. Lyon 14: 93. 1943; *Agaricus meleagris* Sowerby, Col. Fig. English Fungi Mushr.: pl. 171. 1799; *Gymnopus meleagris* (Sowerby) Gray in Nat. Arr. Br. Plants 1: 609. 1821; *Lepiota meleagris* (Sowerby) Quél., Champ. Jura Vosges 2: 326. 1873; *Hiatula meleagris* (Sowerby) Singer in Annls mycol. 34: 431. 1936; *Leucoagaricus meleagris* (Sowerby) Singer in Lilloa 22: 422. ('1949') 1951; *Leucoagaricus meleagris* (Sowerby) Bon in Doc. mycol. 7 (27-28): 19. 1977 (superfluous); *Leucoagaricus meleagris* (Sowerby) Bon in Doc. mycol. 9 (35): 44. 1979 (superfluous); *Leucocoprinus meleagris* (Sowerby) Zschieschang in Mykol. Mittbl. 31: 31 Jan. 1988 (superfluous); *Leucocoprinus meleagris* (Sowerby) Raitelh. in Metrodiana 16: 16. 20 Nov. 1988 (superfluous).
- Lepiota meleagroides* Huijsman in Meded. Ned. mycol. Vereen. 28: 11. 1943.
[nom. nov. for *Lepiota badhami* sensu Pat., not valid; synonym of *Lepiota badhamii*]
- Endoptychum melanosporum* (Berk.) Singer & A.H. Sm. in Britonia 10: 220. 1958; *Secotium melanosporum* Berk. in London J. Bot. 4: 62. 1845.
[position in *Agaricaceae* not yet determined] {SEC}
- Agaricus melichrous* Berk. & Broome in J. linn. Soc., Bot. 11: 513. 1871; *Lepiota melichroa* (Berk. & Broome) Sacc., Syll. Fung. 5: 65. 1887. Holotype (K) Thwaites 1191. Sri Lanka.
[type study Pegler, 1972; synonym of *Lepiota ceramogenes*]
- Agaricus melleus* Vahl, Fl. danica VI (17): 9, pl. 1013. 1792; *Agaricus melleus* Vahl : Fr., Syst. Mycol. 1: 30. 1821; *Lepiota mellea* (Vahl : Fr.) J.E. Lange in Dansk bot. Ark. 2 (3): 31. 1915; *Armillaria mellea* (Vahl : Fr.) P. Kumm., Führer Pilzk.: 25. 1871.
[not in *Agaricaceae*]
- Agaricus membranaceus* Cooke & Masee in Grevillea 21: 36. 1892, non *Agaricus membranaceus* Hoffm., 1787 (and Bolton, 1788, Scop., 1788 and Vahl, 1790); *Lepiota membranacea* (Cooke & Masee →) Sacc., Syll. Fung. 11: 7. 1895 or *Lepiota membranacea* (Cooke & Masee →) McAlpine, Syst. Arr. Austr. Fungi: 4. 1895. Australia.
- Lepiota menieri* Sacc., Syll. Fung. 9: 4. 1891, nom. nov. for *Lepiota arenicola* Ménier in Bull. Soc. mycol. Fr. 5: 174. 1890, non *Lepiota arenicola* Peck, 1888; *Leucoagaricus menieri* (Sacc.) Singer in Mycopath. Mycol. appl. 34: 131. 1968; *Sericeomyces menieri* (Sacc.) Contu in Cryptog., Mycol. 12: 4. 1991; *Leucoagaricus arenicola* (Ménier) Bon in Bull. trimest. Soc. mycol. Fr. 86: 97. 1970 (not valid); *Leucoagaricus arenicola* (Ménier) Bon & Boiffard in Bull. trimest. Soc. mycol. Fr. 88: 21. 1972 (not valid).
- Lepiota menieri* Quél. in C. r. Ass. franç. Av. Sci. (Bordeaux, 1895) 24: 616. 1896 (Suppl. Champ. Jura Vosges 20), non *Lepiota menieri* Sacc., 1891.
- Lepiota mesomorpha* (Bull. : Fr.) P. Kumm., Führer Pilzk.: 136. 1871; *Agaricus mesomorphus* Bull., Hist. Champ. France: pl. 506. 1791; *Agaricus mesomorphus* Bull. : Fr. Syst. mycol. 1: 23. 1821.

- Lepiota metabola* (Berk. & Broome) Sacc., Syll. Fung. 5: 64. 1887; *Agaricus metabolus* Berk. & Broome in J. linn. Soc., Bot. 11: 512. 1871. Sri Lanka. Holotypus Thwaites 1186 (K).
[type study Pegler, 1972]
- Lepiota metulispora* (Berk. & Broome) Sacc., Syll. Fung. 5: 38. 1887; *Agaricus metulisporus* Berk. & Broome in J. linn. Soc., Bot. 11: 512. 1871; *Lepiota clypeolaria* var. *metulaespora* (Berk. & Broome) Babos in Anns hist.-nat. Mus. natn. hung. 53: 198. 1961 (basonym not mentioned). Sri Lanka. Holotypus Thwaites 1180 (K)
[type study Pegler, 1972, and see also Pegler, 1968]
- Leucoagaricus mexicanus* Guzmán in Guzmán & Johnson in Boln Soc. mex. Micol. 8: 90. 1974. Mexico.
- Leucomyces mexicanus* Murrill in Mycologia 3: 80. 1911; *Amanita mexicana* (Murrill) Murrill in Mycologia 4: 332. 1912; *Venenarius mexicanus* (Murrill) Murrill in Mycologia 4: 332. 1912; *Smithiomyces mexicanus* (Murrill) Singer in Mycologia 36: 366. 1944. Type collection Murrill 1067, 15.I.1910, Mexico, near Cordoba, Motzorongo, 400 m. alt, rich soil in moist virgin forest.
[type study Vellinga, 1999]
- Agaricus (Lepiota) miamensis* Morgan in J. Cincinnati Soc. nat. Hist. 6: 63. 1883, non *Agaricus miamensis* Mont. (year??); *Lepiota miamensis* (Morgan) Sacc., Syll. Fung. 5: 40. 1887. U.S.A., Ohio.
[“White. Pileus somewhat fleshy, convex to applanate, even, scaly. Stipe hollow, glabrous, nearly equal; the annulus fragile. Lamellae approximate. Spores .006 x .003 mm. In woods upon the old leaves. Pileus 1-1 1/2 in. in diameter; stipe about 2 in. long. This plant differs from *A. ermineus* Fr., in its habitat, and in the pileus being scaly, and the stipe glabrous.”]
- Agaricus microcosmus* Berk. & Broome in J. linn. Soc., Bot. 11: 551. 1871; *Stropharia microcosmus* (Berk. & Broome) Sacc., Syll. Fung. 5: 1026. 1887; *Psalliota microcosmus* (Berk. & Broome) von Hoehn. in Akad. Wiss. Wien. math. naturw. Klasse 118: 11. 1909.
{Agaricus}
[synonym of *Micropsalliota arginea* according to Pegler & Rayner, 1969]
- Lepiota microcystidiata* Guzm.-Dáv. & Guzmán in Boln Soc. mex. Micol. 17: 47. ('1982'). 1983. Mexico.
- Lepiota micromyces* Speg. in Anales Mus. Nac. Hist. Nat. Buenos Aires 31: 355. 1922. Paraguay.
- Lepiota micropholis* (Berk. & Broome) Sacc., Syll. Fung. 5: 61. 1887; *Agaricus micropholis* Berk. & Broome in J. linn. Soc., Bot. 11: 505. 1871. Sri Lanka. Holotypus Sri Lanka, Kandy distr., Peradeniya, I-1869, Thwaites 906 (K).
[type study Pegler, 1972]
- Lepiota lilacea* f. *micropholoides* Migl. & Coccia in Micol. ital. 21 (2): 40. 1992. Italy.
[synonym of *Lepiota lilacea*]
- Lepiota microscopica* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 96. ('1898') 1899 (Fungi Arg. novi v. crit.). Argentina.
- Lepiota microsperma* Locq. in Bull. trimest. Soc. mycol. Fr. 68: 272. 1952.
[Locquin's interpretation of Konrad & Maublanc's *Lepiota bruneoincarnata* with “hybride?” in brackets; in list of interpretations of plates by various authors]
- Agaricus microspilus* Berk. in Cooke in Grevillea 16: 106. 1888, non *Agaricus microspilus* Berk. & M.A. Curtis, 1858; *Lepiota microspila* (Berk. →) Sacc., Syll. Fung. 9: 10. 1891. Holotypus Thwaites 1227 (K). Sri Lanka.

- [type study Pegler, 1972]
[synonym of *Lepiota ompnera*]
- Lepiota microspora* Masee in Kew Bull. 1906: 92. 1906. Andaman Islands.
- Lepiota microspora* Huijsman in Meded. Ned. mycol. Vereen. 28: 31. 1943 (no Latin descr., called *Lepiota microspora* Konrad and *Lepiota brunneoincarnata* f. *microspora* Konrad by Huijsman); *Lepiota brunneoincarnata* var. *microspora* Konrad & Maubl. ??? or Konrad 1927
[Locquin (1951) listed *Lepiota microspora* Konrad, Icones selectae Fungorum. 1927]
- Agaricus microsporus* Ellis in Bull. Torrey bot. Cl. 5: 45. 1874; *Tricholoma microsporum* (Ellis) Sacc., Syll. Fung. 5: 111. 1887; *Melanoleuca microspora* (Ellis) Murrill, N. Amer. Fl. 10: 17. 1914; *Lepiota microspora* (Ellis) Singer in Lloydia 5: 132. 1942, non *Lepiota microspora* Masee, 1906; *Cystolepiota microspora* (Ellis) Singer & Clémençon in Nova Hedwigia 23: 339. ('1972') 1973. U.S.A., New Jersey.
[probably a *Pseudobaeospora* species and **not in Agaricaceae**]
- Lepiota mimica* Masee in Kew Bull. 1912: 253. 1912. India, Calcutta.
- Hiatula minima* Berk. in Ann. Mag. Nat. Hist., Ser. II, 9: 193. 1852; *Lepiota minima* (Berk.) Dennis in Kew Bull. 7: 465. 1952, non *Lepiota minima* Masee, 1912; *Leucocoprinus minimus* (Berk.) Pegler in Reid et al. in Kew Bull. 35: 876. 1981.
- Lepiota minima* Masee in Bull. bot. Gdn Kew 1912: 253. 1912. India.
- Lepiota seminuda* f. *minima* J.E. Lange in Fl. agar. dan. 1: 36. 1935; *Lepiota sistrata* f. *minima* (J.E. Lange) Babos in Annls hist.-nat. Mus. natn. hung. 50: 91. 1958.
- Leucoagaricus pulverulentus* f. *minimus* Bon, Migl. & Brunori in Doc. mycol. 19 (75): 54. 1989; *Pulverolepiota pulverulenta* f. *minima* (Bon, Migl. & Brunori) Bon in Doc. mycol. 22 (88): 30. 1993; *Cystolepiota pulverulenta* f. *minima* (Bon, Migl. & Brunori) La Chiusa in Riv. Micol. 41: 152. 1998.
[synonym of *Cystolepiota pulverulenta*]
- Lepiota ministipitata* A.B. Pereira in Iheringia, Bot. 51: 238. 1998. Brazil.
- Lepiota clypeolaria* var. *minor* J.E. Lange, Fl. agar. dan. 1: 28. 1935 (not valid, no Latin diagn.); *Lepiota clypeolaria* var. *minor* J.E. Lange, Fl. agar. dan. 5: V. 1940.
[synonym of *Lepiota clypeolaria*]
- Lepiota minuta* J.E. Lange in Dansk bot. Ark. 4 (4): 48. 1923, non *Lepiota minuta* Voglino, 1896; *Lepiota setulosa* J.E. Lange, 1940, nom. nov. Denmark.
- Lepiota minuta* Voglino in Bull. Soc. bot. ital., 1895: 41. 1896. Italy/Switzerland.
- Lepiota minuta* Batista in Mycopathologia 8: 128. 1957, non *Lepiota minuta* J.E. Lange, 1923, nec *Lepiota minuta* Voglino, 1896. Brazil.
- Lepiota minutissima* Beeli in Bull. Jard. bot. Brux. 15: 28. 1938. Sierra Leone.
- Lepiota minutula* Pat. in Bull. Mus. natn. Hist. nat., Paris 6: 529. 1924. Type in PC gen. herb.
- Leucocoprinus minutulus* Singer in Not. syst. Sect. crypt. Inst. bot. Acad. Sci. USSR 5: 86. 1941. USSR.
[“Pileo brunneolo, centro obscuriore umbonato, marginem versus excoriato-squamoso-lacerato, 12 mm lato. Lamellis albidis (?), fuscatis in sicco, mediocriter latis (2 mm cc.), confertis, remoto-liberis. Sporis initio hyalinis, poro apicali instructis, membrana duplica, demum brunneola in NH₃ praeditis, 7.5-11 x 5.8-6 μ. Basidii tetrasporis 28-33 x 8-9 μ. Cheilocystidiis numerosis (et ex ea re acie lamellarum heteromorpha), clavato-appendiculatis (ampulliformibus), succo fuscidulo impletis (NH₃), 42-65 x 10-16.5 μ, appendiculo 9-12 μ longo. Stipite fuscato (in sicco), nitidiusculo, glabro, candide farcto, minime bulbillato, 30 x 2-3 mm. Annulo mobili, largissimo (7 mm), horizontaliter patulo, duplico, albobrunnescente, ad marginem fimbriato, levi. Carne alba, tenui.”]

- Lepiota minya* Grgur., Larger Fungi of South Australia: 453. 1997. Holotype AD 5518. Australia.
- Agaricus missionis* Berk. in Ann. Mag. Nat. Hist., Ser. V, 15: 384. 1885; *Lepiota missionis* (Berk.) Sacc. in Syll. Fung. 5: 55. 1887. Zanzibar.
[type study Pegler, 1975; probably synonym of *Leucoagaricus leucothites*]
- Lepiota mississippiensis* Murrill in N. Amer. Fl. 10 (1): 54. 1914. U.S.A., Mississippi.
[type study Smith, 1966]
- Cystolepiota moelleri* Knudsen in Bot. Tidsskr. 73: 134. 1978, nom. nov. for *Lepiota rosea* Rea in Trans. Br. mycol. Soc. 6: 61-62. 1918; *Cystolepiota rosea* (Rea) Bon in Doc. mycol. 6 (24): 43. 1976, non *Cystolepiota rosea* Singer, 1969; *Cystolepiota rosella* M.M. Moser in Röhrlinge Blätterpilze 4. Aufl.: 235. 1978.
- Chlorophyllum molybdites* (G. Mey. : Fr.) Masee in Kew Bull. 1898: 136. 1898; *Agaricus molybdites* G. Mey., Pr. Fl. essequ.: 300. 1818; *Agaricus molybdites* G. Mey. : Fr., Syst. Mycol. 1: 308. 1821; *Lepiota molybdites* (G. Mey. : Fr.) Sacc., Syll. Fung. 5: 30. 1887; *Mastocephalus molybdites* (G. Mey. : Fr.) Kuntze, Rev. Gen. Pl. 2: 860. 1891; *Leucocoprinus molybdites* (G. Mey. : Fr.) Pat. in Bull. Soc. mycol. Fr. 29: 215. 1913; *Macrolepiota molybdites* (G. Mey. : Fr.) Moreno, Bañares & Heykoop in Mycotaxon 55: 467. 1995. – *Agaricus morganii* Peck in Bot. Gaz. 4: 137. 1879; *Lepiota morganii* (Peck) Sacc., Syll. Fung. 5: 30. 1887; *Mastocephalus morganii* (Peck) Kuntze, Rev. Gen. Pl. 2: 860. 1891; *Chlorophyllum morganii* (Peck) Masee in Kew Bull. 1898: 136. 1898. – *Agaricus glaziovii* Berk. in Vidensk., Meddel. 1879-1880: 32. 1880; *Pholiota glaziovii* (Berk.) Sacc., Syll. Fung. 5: 751. 1887. – *Lepiota ochrospora* Cooke & Masee in Grevillea 21: 73. 1893. – *Chlorophyllum esculentum* Masee in Kew Bull. 1898: 136. 1898; *Lepiota esculenta* (Masee) Sacc. & P. Syd., Syll. Fung. 16: 2. 1902. – *Agaricus guadelupensis* Pat. in Bull. Soc. mycol. Fr. 15: 197. 1899. – *Annularia camporum* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 117. ('1898') 1899; *Lepiota camporum* (Speg.) Speg. in Bol. Acad. nac. Cienc. Cordoba 29: 114. 1926. – *Agaricus congolensis* Beeli in Bull. Soc. roy. bot. Belg. 61: 92. 1928; *Chlorophyllum molybdites* var. *congolense* (Beeli) Heinem., Fl. Icon. Champ. Congo 16: 323. 1967.
- Agaricus (Lepiota) montagnei* Kalchbr. in Grevillea 10: 52. 1881; *Lepiota montagnei* (Kalchbr.) Sacc., Syll. Fung. 5: 55. 1887. (Type not at BPI, B, K, PC, PRE, S, SAM, UPS)
- Lepiota montevidensis* Speg. in Bol. Acad. Nac. Cienc. Cordoba 28: 273. 1926. Uruguay.
- Agaricus montosus* Berk. in Hook. J. Bot. 6: 129. 1854 (Decades of fungi no. 401); *Lepiota montosa* (Berk.) Sacc., Syll. Fung. 5: 41. 1887. India, Sikkim (dr. Hooker).
- Endoptychum moongum* Grgur., Larger Fungi of South Australia (Adelaide): 435. 1997. Holotype AD 9759. Australia, South Australia. {SEC}
- Leucoagaricus morenoi* Raitelh. in Fl. mycol. Argentina 1: 299. 1987. Argentina.
- Agaricus morganii* Peck in Bot. Gaz. 4: 137. 1879 (as *A. morgani*); *Lepiota morganii* (Peck) Sacc., Syll. Fung. 5: 30. 1887; *Mastocephalus morganii* (Peck) Kuntze, Rev. Gen. Pl. 2: 860. 1891; *Chlorophyllum morganii* (Peck) Masee in Kew Bull. 1898: 136. 1898. U.S.A., Ohio, Dayton.
[synonym of *Chlorophyllum molybdites*]
- Lepiota morieri* Gillet, Hyménomycètes: 62. 1874; *Cystolepiota morieri* (Gillet) Bon in Doc. mycol. 22 (88): 26. 1993; *Lepiota sistrata* subsp. *morieri* (Gillet) Sacc., Syll. Fung. 5: 50. 1887; *Lepiota sistrata* var. *morieri* (Gillet) Sacc. & Traverso, Syll. Fung. 19: 1088. Neotype herb. Boudier 189007 (P). France.
- Lepiota moseri* Wasser in Ukr. bot. Zh. 32: 34. 1975; *Leucoagaricus moseri* (Wasser) M.M. Moser in Gams, Kl. Kryptog. Fl. 2b/2, 4. Aufl.: 246. 1978; *Leucocoprinus moseri*

- (Wasser) Wasser in Ukr. bot. Zh. 35: 516. 1978; *Sericeomyces moseri* (Wasser) Contu in Cryptog., Mycologie 12: 4. 1991.
- Agaricus moulinsii* L. de Brondeau in Actes Soc. linn. Bordeaux 17: 301. 1851; *Lepiota moulinsii* (L. de Brondeau) Sacc., Syll. Fung. 11: 3. 1895. France.
- Lepiota mucrocystis* Pegler in Kew Bull. add. Ser. 9: 387. 1983. Dominica.
[based on *Lepiota biornata* sensu Dennis in Kew Bull. 7: 481-482. 1952, from Trinidad]
[*Lepiota besseyi* is a synonym; close to *La. americanus*, but with pleurocystidia]
[a germ pore is present in the spores; Franco-Molano, pers. comm., 2008]
- Lepiota mucronata* Guzm.-Dáv. & Guzmán in Boln Soc. mex. Micol. 17: 47. ('1982'). 1983. Mexico.
- Lepiota multicolor* (Berk. & Broome) Sacc., Syll. Fung. 5: 53. 1887; erroneous name change for *Agaricus muticolor* Berk. & Broome, 1871. Sri Lanka.
[see under 'muticolor']
- Lepiota multifolia* Bert. in Gillet, Champignons de France. Tableaux analytiques des Hyménomycètes: 12. 1884. France.
- Macrolepiota procera* var. *pallida* f. *multisquamulosa* Pázmány in Not. bot. Horti agrobot. Cluj-Napoca 18-19: 16. 1988-1989. Romania.
- Leucocoprinus munnarensis* T.K.A. Kumar & Manim. in Mycotaxon 108: 420. 2009. India, Kerala State. Mycobank MB512344.
- Lepiota murinidisca* Murrill in Mycologia 43: 237. 1951. U.S.A., Florida.
- Lepiota murinocapitata* Dennis in Kew Bull. 15: 114. 1961. Venezuela.
- Lepiota clypeolaria* var. *muscardiodora* Maire in Bull. Soc. Hist. nat. Afrique Nord 36: 25. 1946. France.
- Lepiota mutata* Peck in Bull. Torrey bot. Cl. 23: 411. 1896. Kansas, July, E. Bartholomew. U.S.A., Kansas.
- Leucocoprinus muticolor* (Murrill) Aberdeen, Lepiotoid genera (Agaricales) in south-eastern Queensland: 11. 1992; *Lepiota muticolor* Murrill in N. Amer. Fl. 10 (1): 58. 1914, non *Lepiota muticolor* (Berk. & Broome) Sacc., 1887. U.S.A.
[type study Smith, 1966.]
- Agaricus muticolor* Berk. & Broome in J. linn. Soc., Bot. 11: 502. 1871; *Lepiota muticolor* (Berk. & Broome) Sacc., Syll. Fung. 5: 53. 1887 (as *Lepiota multicolor*). Sri Lanka. Holotypus Thwaites 714 (K).
[NB: there is no *Agaricus multicolor* Berk. & Broome 1871]
[type study Pegler, 1972; synonym of *Agaricus lituratus* Berk. & Broome, 1871]
{Agaricus}
- Secotium mycetospora* Nees ex Fr., Syst. mycol. 2: 253. 1822
[based on a description by Nees in litt.]
[sclerotium of *Leucocoprinus cepistipes*]
- Xanthagaricus myriostictus* (Berk. & Broome) Little Flower, Hosag. & T.K. Abraham in New Botanist 24: 97. 1997; *Agaricus myriostictus* Berk. & Broome in J. linn. Soc., Bot. 11: 553. 1871; *Hymenagaricus myriostictus* (Berk. & Broome) Heinem. & Little Flower in Bulletin du Jardin Botanique National de Belgique 54(1-2): 169. 1984. {Agaricus}
- Agaricus myxodictyon* Berk. & Broome in J. linn. Soc., Bot. 11: 507. 1871; *Lepiota myxodictyon* (Berk. & Broome) Sacc., Syll. Fung. 5: 70. 1887; *Limacella myxodictyon* (Berk. & Broome) Pegler in Kew Bull. add. Ser. 12: 219. 1986. Sri Lanka. Holotypus Thwaites 793 (K).
[type study Pegler, 1972]
[in *Amanitaceae*]

- Lepiota nainitala* Rawla in Rawla & Arya in *Boletus* 15: 114. 1991. India, Utter Pradesh Hills.
Holotype PAN 9621.
- Leucocoprinus naniana* Bouriquet in *Bull. Acad. malgache*, n.S., 25: 16. 1942-1943.
Madagascar.
[looks like *Lc. cretaceus*]
- Xanthagaricus nanus* Little Flower, Hosag. & T.K. Abraham in *New Botanist* 24: 97. 1997.
{Agaricus}
- Lepiota nardosmioides* Murrill in *Mycologia* 4: 238. 1912. U.S.A., California. Type W.A. Murrill & L.R. Abrams 1250, collected in humus in a redwoods forest at La Honda, California, November 25, 1911.
[not a *Lepiota* species]
- Agaricus (Lepiota) naucinoides* Peck in *Ann. Rep. N.Y. St. Mus. nat. Hist.* 29: 66. 1878, nom. nov. for *A. naucinus* sensu Peck in *Ann. Rep. N.Y. St. Mus. nat. Hist.* 23: 72. 1873; *Lepiota naucinoides* (Peck) Sacc. & Trav., *Syll. Fung.* 19: 1084. 1910. U.S.A., New York.
[synonym of *Leucoagaricus leucothites*]
- Agaricus naucinus* Fr., *Epicrisis*: 16. 1838; *Lepiota naucina* (Fr.) P. Kumm., *Führ. Pilzk.*: 136. 1871; *Leucoagaricus naucinus* (Fr.) Singer in *Lilloa* 22: 423. ('1949') 1951
[synonym of *Leucoagaricus leucothites*].
- Crucispora naucorioides* E. Horak in *N.Z. J. Bot.* 9: 489. 1971. New Zealand.
- Lepiota nauseosa* Wakefield in *Bull. Inf. misc. Kew* 1918: 230. 1918; *Amanita nauseosa* (Wakef.) D.A. Reid in *Nova Hedwigia* 11, Suppl. (*Fung. rar. Ic. col.* 1): 25. 1966. UK (greenhouse).
[descr. see Bas, 1969]
[in *Amanitaceae*]
- Lepiota neglecta* Hongo in *J. Jap. Bot.* 31: 251. 1956, non *Lepiota neglecta* Murrill, 1951; *Lepiota praetervisa* Hongo in *Mem. Fac. lib. Arts Educ. Shiga Univ.*, *nat. Sci.* 9: 76. 1959, nom. nov. Japan.
- Lepiota neglecta* Murrill in *Mycologia* 43: 237. 1951. U.S.A., Florida.
- Lepiota nelvae* Maire in *Nelva, Contribution à l'étude des Champignons des Hauts Plateaux Constantinois* (Thèse Doct. Pharm. Alger): 78. 1936
[fide Maire in *Bull. Soc. Hist. nat. Afrique Nord* 36: 24. 1946.]
- Lepiota neofelina* Locq., 1956. ???
- Lepiota neomastoidea* Hongo in *Mem. Fac. lib. Arts Educ. Shiga Univ.*, *nat. Sci.* 20: 51. 1970; *Macrolepiota neomastoidea* (Hongo) Hongo in *Trans. mycol. Soc. Japan* 27: 107. 1986; *Chlorophyllum neomastoideum* (Hongo) Vellinga in *Mycotaxon* 83: 416. 2002. Japan.
- Lepiota neophana* Morgan in *J. Mycol.* 12: 248. 1906. Preston, Ohio, U.S.A.
[type study Smith, 1966]
[Morgan, 1906: "Pileus fleshy, ovoid then campanulate and expanded, subumbonate, the flesh thin, firm, white; the dermis thin, tough, the surface smooth and glabrous, buff to pale umber, dark brown in the center, the cuticle continuous or at maturity sometimes cracking into irregular areolae. Stipe slender, subequal, tough, fistulous, white above the annulus, pale umber below, with a white-fibrillose cuticle. Lamellae broad, close, white, obtuse behind, free, approximate; spore oblong, obliquely apiculate, 4-5x 3 mic. Growing on the ground in woods. Preston, O. Pileus 2-3 cm. in diameter; the stipe 3-4 cm. long and 2-3 mm. thick. The peculiarity of the plant is its toughness in all parts, its subcoreaceous texture."]
[Sundberg's (1989) interpretation depicts a different species with a dark pileus of which

- the surface breaks open into small scales]
- Lepiota neuquenensis* Singer in Beih. Nova Hedwigia 29: 171. 1969. Mycoflora australis. Argentina.
- Agaricus nigrescens* Bull., Hist. Champ. France (Paris): 587, t. 212; 579: 2. 1812, non *Agaricus nigrescens* Krapf, 1782, nec *Agaricus nigrescens* Bull., 1791, nec *Agaricus nigrescens* Dubois, 1803. (nom. illeg., art. 53.1); *Agaricus haematospermus* var. *nigrescens* (Bull.) Pers., Syn. meth. Fung. (Göttingen) 2: 262. 1801.
- Lepiota meleagris* var. *nigrescens* Velen., Novitates mycol.: 53. 1939.
- Agaricus procerus* var. *nigrescens* Roum., Flore mycologique du département de Tarn-et-Garonne: 55. 1879. France.
- Lepiota nigrescentipes* G. Rioussset in Bon & G. Rioussset in Doc. mycol. 22 (85): 67-68. 1992. Holotypus G. Rioussset 91.10.04.01 in herb. G. Rioussset. France. [close to or identical with *Lepiota parvannulata*]
- Leucocoprinus nigricans* Jezek in Mikol. Sbornik 50: 78. 1973. Brazil.
- Lepiota nigricans* Pat. in Bull. Soc. mycol. Fr. 8: 46. 1892. Tonkin. [type study Yang, 2000]
- Agaricus nigrobrunnescens* K.R. Peterson, Desjardin & Hemmes in Sydowia 52: 238. 2000. U.S.A., Hawaii. {Agaricus}
- Lepiota nigrocinerea* Cleland in Trans. Proc. Roy. Soc. South Australia 55: 153. 1931. Australia. [synonym of *Lepiota fuliginosa* Cleland; type study Grgurinovic, 1997]
- Lepiota nigromarginata* Masee, Eur. Fung. Flora: 10. 1902; *Agaricus nigromarginatus* (Masee) W.G. Sm. in J. Bot., London 41: 385. 1903. UK. [? *Lepiota hystrix*]
- Lepiota nigropunctata* Dennis in Kew Bull. 7: 466. 1952. Trinidad.
- Hymenagaricus nigrovinosus* (Pegler) Heinem. in Bulletin du Jardin Botanique National de Belgique 51(3/4): 466. 1981; *Agaricus nigrovinosus* Pegler in Kew Bull. add. Ser. 6: 327. 1977. At a tree base, Kenya. {Agaricus}
- Hymenagaricus nigroviolaceus* Heinem. in Bulletin du Jardin Botanique National de Belgique 55(3-4): 493. 1985. Zaïre. {Agaricus}
- Lepiota nirupama* T.K.A. Kumar & Manim. in Mycotaxon 107: 113. 2009. India, Kerala State.
- Lepiota nitens* Velen., Novitates mycol.: 51. 1939. Czech Republic.
- Lepiota nitida* Velen., Novitates mycol.: 54. 1939. Czechoslovakia.
- Lepiota nivea* Velen., Novitates mycol.: 55. 1939, non *Lepiota nivea* QuéL., 1890. Czechoslovakia.
- Lepiota nivea* QuéL. in C. r. Ass. franç. Av. Sci. (Paris, 1889) 18: 508. 1890. (Suppl. Champ. Jura Vosges 17). [Saccardo: ‘in solo coriario calidariorum pr. Lyon’; affinis *L. caepestipedei*]
- Schulzeria nivea* Beeli in Bull. Soc. roy. bot. Belg. 59: 76. 1927. Congo.
- Agaricus niveolutescens* Huijsman in Persoonia 1: 323. 1960, non *Agaricus niveolutescens* Viviani, 1834; *Agaricus huijsmanii* Courtec. in Doc. mycol. 34 (135-136): 52. 2008, nom. nov. {Agaricus}
- Leucocoprinus medioflavus* var. *niveus* Migl. & Rava in Micol. Veget. medit. 14 (1): 24. 1999.
- Agaricus osecanus* var. *nivescens* (F.H. Møller) Courtec. in Doc. mycol. 34 (135-136): 48. 2008; *Psalliota nivescens* F.H. Møller in Friesia 4: 155. 1952. {Agaricus}
- Leucocoprinus noctiphilus* (Ellis) Heinem. in Bull. Jard. bot. nat. Belg. 47: 84. 1977; *Agaricus noctiphilus* Ellis in Bull. Torrey bot. Cl. 5: 45. 1874; *Lepiota noctiphila* (Ellis) Sacc., Syll. Fung. 5: 50. 1887 (as *Lepiota nictophila*). U.S.A., New Jersey, in a cellar.

- Macrolepiota nordica* Bellù & Lanzoni in Beitr. Kenntn. Pilze Mitteleur. 2: 23. 1986 (ad interim, not valid) (based on *M. prominens* sensu M.M. Moser, Bon, Velen. & Locq.);
Macrolepiota nordica Bellù in Bon in Fl. mycol. eur. 3: 124. 1993 (not valid, art. 36.1., 37.1).
- Agaricus (Lepiota) noscitatatus* Britzelm. in Ber. Naturhist. Ver. Augsburg 27: 185, f. 131. 1883 (also *Agaricus noscitatatus* Britzelm. in Bot. Centr.bl. 73: 131. 1898). Germany.
- Chlorophyllum nothorachodes* Vellinga & Lepp in Vellinga in Australian Systematic Botany 16: 363-364. 2003. Australia.
- Lepiota nudipes* Peck in Bull. Torrey bot. Cl. 33: 213. 1906. near St. Louis, Missouri, U.S.A., July. N.M. Glatfelter.
- Agaricus nympharum* Kalchbr., Ic. sel. Hymenomyc. Hungariae 10: pl. 2, fig. 2. 1873; *Lepiota nympharum* (Kalchbr.) Kalchbr., Fungi Sibiria America Austr.: 7. 1879; *Leucoagaricus nympharum* (Kalchbr.) Bon in Doc. mycol. 7 (27-28): 19. 1977; *Macrolepiota nympharum* (Kalchbr.) Wasser, Agarikovye Griby S.S.S.R.: 114. 1985. – *Lepiota densesquamosa* Velen., České Houby: 206. 1920. – *Agaricus rhacodes* var. *puellaris* Fr., Monogr. Hymenomyc. Suec. 2: 285. 1863 (as *Agaricus hacodes** *puellaris*); *Agaricus rhacodes puellaris* Fr., Hymenomyc. eur.: 29. 1874; *Lepiota rachodes* var. *puellaris* (Fr.) Gillet, Tableaux analytiques des Hyménomycètes: 9. 1884; *Lepiota procera* var. *puellaris* (Fr.) Masee, Brit. Fung. Fl. 3: 235. 1893; *Lepiota puellaris* (Fr.) Rea, Brit. Basidiomyc.: 65. 1922; *Lepiotophyllum rhacodes* var. *puellaris* (Fr.) Locq. in Bull. mens. Soc. linn. Lyon 11: 40. 1942 (nom. inval.); *Leucocoprinus puellaris* (Fr.) Locq. in Bull. mens. Soc. linn. Lyon 14: 91. 1945; *Macrolepiota puellaris* (Fr.) M.M. Moser, Blätter-, Bauchpilze, 1. Aufl.: 114. 1953 (not valid, basionym not mentioned); *Macrolepiota puellaris* (Fr.) M.M. Moser, Röhrlinge Blätterpilze, 3. Aufl.: 184. 1967.

- Agaricus obclavatus* Cooke & Massee in Cooke in Grevillea 16: 30. 1887; *Lepiota obclavata* (Cooke & Massee) Sacc., Syll. Fung. 9: 9. 1891. Australia.
- Agaricus (Lepiota) oblitus* Peck in Bull. Buffalo Soc. nat. Sc. 1: 41. 1873; *Lepiota oblita* (Peck) Sacc., Syll. Fung. 5: 71. 1887; *Limacella oblita* (Peck) Murrill in North American Flora 10 (1): 42. 1914. ('on ground in frondose woods. Lowville. September') U.S.A., New York.
- [in *Amanitaceae*]
 [Peck, 1873: "Pileus convex or expanded, subumbonate, smooth or obscurely squamose from the breaking up of the veil, viscid, alutaceous inclining to tawny, the umbo generally darker; lamellae crowded, free, whitish or yellowish, some of them forked; stem equal or slightly tapering upward, floccose, viscid, smooth at the top, hollow or containing a cottony pith; annulus obsolete; spores .00016' x .00012'. Plant 2'-3' high, pileus 2'-3' broad, stem 3'' thick. Ground in frondose woods. Lowville. September"]
- Lepiota griseovirens* subsp. *obscura* Locq. in Bull. mens. Soc. linn. Lyon 14: 61-62. 1945 (nom. nud.); *Lepiota griseovirens* var. *obscura* Bon in Doc. mycol. 6 (24): 44. 1976; *Lepiota obscura* (Locq.) Babos in Annls hist.-nat. Mus. natn. hung. 50: 89. 1958 (nom. nud.); *Lepiota obscura* (Bon) Bon in Doc. mycol. 23 (91): 33. 1993.
 [synonym of *Lepiota griseovirens*; *Lepiota obscura* is the name used by Legon & Henrici, 2005]
- Lepiota obscuroumbonata* Henn. in Engler bot. Jahrb. 38: 124. 1905. Cameroon.
- Agaricus obsphaematus* Berk. & Broome in J. linn. Soc., Bot. 11: 506. 1871 (as *Agaricus opshaematus*); *Lepiota obsphaemata* (Berk. & Broome) Sacc., Syll. Fung. 5: 61. 1887 (as *Lepiota opshaemata*). Holotypus Thwaites 891 (K). Sri Lanka.
 [type study Pegler, 1972; synonym of *Micopsalliota erythrospila* (Pegler, 1986)]
- Lepiota epicharis* var. *occidentalis* Dennis in Kew Bull. 15: 111. 1961.
 [type study Franco-Molano, 1995; synonym of *Rugosopora pseudorubiginosa*]
- Lepiota ochracea* Massee in Kew Bull. 1914: 358. 1914. Singapore.
- Micopsalliota ochracea* Heinem. in Bull. Jard. bot. nat. Belg. 50: 62. 1980. {Agaricus}
- Agaricus ochraceidiscus* Murrill in Mycologia 10: 80. 1918. Cuba. {Agaricus}
- Lepiota ochraceoaurantiaca* Dennis in Kew Bull. 7: 487. 1952. Trinidad.
- Lepiota ochraceobadia* Beeli in Bull. Soc. roy. bot. Belg. 64: 216. 1932; *Rugosopora ochraceobadia* (Beeli) Heinem. in Bull. Jard. bot. nat. Belg. 43: 12. 1973. Congo.
 [Type study Franco-Molano, 1995]
 [synonym *Lepiota lateritia* Beeli in Bull. Soc. roy. bot. Belg. 64: 213. 1932; type study Franco-Molano, 1995]
- Lepiota ochraceocyanea* Kühner in Bull. mens. Soc. linn. Lyon 3: 43. 1934
 [synonym of *Lepiota grangei*]
- Lepiota ochraceodisca* Bon in Doc. mycol. 21 (81): 52. 1991; *Lepiota alba* f. *ochraceodisca* (Bon) Migl. & Coccia in Boll. Gruppo micol. G. Bres. 42: 107. 1999; *Lepiota alba* var. *ochraceodisca* (Bon) Vila & Llimona in Revista Catalana de Micologia 24: 101. 2002.
- Lepiota ochraceofulva* P.D. Orton in Trans. Br. mycol. Soc. 43: 284. 1960. Type GB, Norfolk, Honingham, Mousewood Farm Wood, 8-X-1958 (K). – *Lepiota cookei* Hora in Trans. Br. mycol. Soc. 43: 446. 1960. UK. type (K). – *Lepiota ochraceofulva* var. *huijsmanii* Bon in Doc. mycol. 22 (88): 30. 1993.
- Lepiota ochraceolamellata* Dennis in Kew Bull. 15: 112. 1961. Venezuela.
- Hymenagaricus ochraceoluteus* D.A. Reid & Eicker in S. African J. Bot. 64(6): 357. 1998.
 Holotype PRU (as 'PRUM') 4209. On ground under indigenous trees, near waterfall: Cape Province, South Africa. {Agaricus}

- Pulverolepiota roseolanata* f. *ochraceorubiginosa* Bon in Doc. mycol. 22 (88): 30. 1993. Typus 90270 in herb. Bon; *Leucoagaricus roseolanatus* f. *ochraceus* Bon in Doc. mycol. 21 (81): 53. 1991. (not valid, ad interim?)
- Lepiota clypeolaria* var. *ochraceosulfurescens* Locq., 1953 ???; *Lepiota ochraceosulfurescens* Locq. in Bull. mens. Soc. linn. Lyon 14: 56. 1945 (without Latin diagn.); *Lepiota ochraceosulfurescens* Bon in Doc. mycol. 11 (43): 33. 1981 (as *Lepiota ochraceosulfurescens* (Locq.) Bon); *Lepiota ochraceosulfurescens* Locq. ex Bon in Doc. mycol. 16 (61): 46. 1985; *Lepiota clypeolaria* var. *ochraceosulfurescens* (Locq. ex Bon) P. Roux & Guy Garcia in Roux, Mille et un Champignons: 978. 2006. Holotype no. 76102305 in herb. Bon; Ste Baume, Bouches du Rhone, 23 Oct. 1976.
- Lepiota ochraceoumbonata* Beeli in Bull. Soc. roy. bot. Belg. 59: 110. 1927.
- Lepiota ochroleuca* Speg. in An. Soc. Cient. Arg. Segunda Serie. Tomo VI (Ser. 2a, t. III): 262. 1899. Argentina.
- Amanita ochrophylla* (Cooke & Masee) Cleland in Trans. R. Soc. S. Austr. 48: 237. 1924; *Agaricus ochrophyllus* Cooke & Masee in Cooke in Grevillea 18: 2. 1889; *Lepiota ochrophylla* (Cooke & Masee) Sacc., Syll. Fung. 9: 4. 1891; *Lepiota procera* f. *ochrophylla* (Cooke & Masee) Rick in Lilloa 1: 318. 1937; *Aspidella ochrophylla* (Cooke & Masee) E.J. Gilbert in Bres., Iconogr. mycol. 27: 79. 1940. Australia. [type study Bas, 1969; description also in Grguginovic, 1997]
[in *Amanitaceae*]
- Lepiota ochrospora* Cooke & Masee in Cooke in Grevillea 21: 73. 1893. Guiana. [synonym of *Chlorophyllum molybdites*]
- Lepiota oculata* J.E. Lange & Zeller in Zeller in Mycologia 30: 473. 1938. U.S.A., Oregon. Type J.E. Lange & S.M. Zeller 5726, in dense woods near Hemlock, Tillamook Co., OR, Sept. 27. 1931. [type study Smith, 1966; Vellinga, 2007c]
[Lange & Zeller, 1938: "Pileus 1.2-1.8 cm. in diam. convex, expanding almost plane, with a small, slightly prominent umbo, almost membranous, especially toward the margin; surface silky-fibrillose with delicate pilose-fibrillose squamules, which are dense and reddish-brown forming an almost continuous cuticle at the umbo, and polar and even more minute toward the edge, where white tissue between the squamules is exposed; margin membranous slightly fringed and rimose; gills free, rather narrow, white; stem almost glabrous, slightly floccose above, white, 3.5 cm. x 1.5-2 mm.; annulus white, superior (about 2/3 up), somewhat funnel-shaped, distinct, persistent; spores ovoid, 6-7.5 x 3.2-3.6 μ , white, smooth, cells on edge of gills hair-like or subcapitate (apex about 5 μ in diam.)."]
- Macrolepiota odorata* Heinem. in Bull. Jard. bot. nat. Belg. 39: 221. 1969. Congo-Kinshasha.
- Lepiota odorata* Cool in Meded. Ned. mycol. Vereen. 9: 47. 1918; *Squamanita odorata* (Cool) Bas in Persoonia 3: 342. 1965. The Netherlands.
[not in *Agaricaceae*]
- Lepiota oedipus* Speg. in Bol. Acad. Nac. Cienc. Córdoba 11 (4): 383-384. 1889 (Fungi Puigg. 1: 3); *Lepiota procera* f. *oedipus* (Speg.) Rick in Lilloa 1: 318. 1937. Brazil.
- Lepiota oenocephala* (Berk. & Broome) Sacc., Syll. Fung. 5: 65. 1887; *Agaricus oenocephalus* Berk. & Broome in J. linn. Soc., Bot. 11: 512. 1871. Holotypus Thwaites 796 (K). Sri Lanka. [type study Pegler, 1972]

- Agaricus oenopus* Berk. & Broome in J. linn. Soc., Bot. 11: 499. 1871; *Lepiota oenopus* (Berk. & Broome) Sacc., Syll. Fung. 5: 57. 1887 (as *Lepiota oenopoda*). Sri Lanka.
[synonym of *Leucocoprinus cepistipes* sensu Pegler]
- Lepiota olgae* Velen., České Houby: 210. 1920; *Leucocoprinus olgae* (Velen.) Locq. in Bull. mens. Soc. linn. Lyon 14: 92. 1945; *Leucoagaricus olgae* (Velen.) M.M. Moser in Gams, Kl. Kryptog.-Fl. 2b/2: 115. 1953 (not validly published; basionym not mentioned, NEITHER in later editions!).
- Lepiota olivacea* Kauffman in Papers Mich. Acad. Sc., Arts Letters 4: 329. 1924; *Leucoagaricus olivaceus* (Kauffman) Singer in Lilloa 22: 422. ('1949') 1951. Michigan, U.S.A. Type collected 14 August 1921, Michigan, Ann Arbor, on low alluvial soil under thickets of *Sambucus* and *Impatiens* (MICH).
[type study Smith, 1966; Vellinga ined.]
- Lepiota forquignonii* var. *olivaceobrunnea* (P.D. Orton) Bon in Doc. mycol. 22 (88): 29. 1993; *Lepiota olivaceobrunnea* P.D. Orton in Trans. Br. mycol. Soc. 91: 561. 1988.
- Leucoagaricus olivaceomamillatus* Singer in Lilloa 26: 69. 1953. Brazil.
- Lepiota olivaceomammosa* Rick in Broteria, Bot. 18: 49. 1920. Brazil; lectotype (Raithelh. in Metrodiana 16: 19. 1988): nr. 22568 in Herb. Anchietano in São Leopoldo, Brazil).
- Hymenagaricus olivaceus* Heinem. in Bulletin du Jardin Botanique National de Belgique 55: 494. 1985. Zaïre. {Agaricus}
- Agaricus olivaeusporus* Ellis & Everh. in J. Mycol. 5: 27. 1889; *Chlorosperma olivaeuspora* (Ellis & Everh.) Murrill in Mycologia 14: 96/97. 1922.
[synonym of *Melanophyllum haematospermum*]
- Macrolepiota olivascens* M.M. Moser in Gams, Kl. Kryptog.-Fl. 2b/2, Ed. 2: 130. 1955 (not valid); *Macrolepiota olivascens* M.M. Moser ex M.M. Moser & Singer in Schweiz. Z. Pilzk. 39: 154. 1961; *Lepiota olivascens* (M.M. Moser & Singer) Contu in Bol. Soc. Brot., Sér. 2, 63: 385. 1990. Austria.
- Macrolepiota olivieri* (Barla) Wasser in Fl. grib. Ukr. Agar. Grib.: 298. 1980; *Lepiota olivieri* Barla in Bull. Soc. mycol. Fr. 2 (3): 113. 1886; *Macrolepiota rachodes* f. *olivieri* (Barla) de Kok in de Kok & Vellinga in Persoonia 17: 74. 1998; *Chlorophyllum olivieri* (Barla) Vellinga in Mycotaxon 83: 416. 2002.
- Cystolepiota ompnera* (Berk. & Broome) Pegler in Kew Bull. add. Ser. 12: 284. 1986; *Agaricus ompnerus* Berk. & Broome in J. linn. Soc., Bot. 11: 514. 1871; *Armillaria ompnera* (Berk. & Broome) Sacc., Syll. Fung. 5: 86. 1887. – *Agaricus microspilus* Berk. in Cooke in Grevillea 16: 106. 1888, non *Agaricus microspilus* Berk. & M.A. Curtis, 1858; *Lepiota microspila* (Berk. →) Sacc., Syll. Fung. 9: 10. 1891. Holotypus Thwaites 1227 (K). Sri Lanka.
- Agaricus oncopoda* Berk. & Broome in J. linn. Soc., Bot. 11: 496. 1871; *Lepiota oncopoda* (Berk. & Broome) Sacc., Syll. Fung. 5: 45. 1887. Sri Lanka.
- Leucoagaricus ooliekirrus* Grgur., Larger Fungi of South Australia: 447. 1997. Holotype AD 12269. Australia.
- Leucoagaricus ophthalmus* Vellinga in Mycotaxon 102: 273. 2007. U.S.A., California. Mycobank 511149.
- Lepiota oreadiformis* Velen., České Houby 2: 215. 1920. – *Lepiota pratensis* (Fr.) Big. & Guill., Fl. Champ. sup. France: 58. 1909; *Agaricus clypeolarius* var. *pratensis* Fr., Epicr.: 15. 1838, homonym of *Lepiota pratensis* Speg., 1898. – *Lepiota gracilis* var. *laevigata* J.E. Lange in Dansk bot. Ark. 2 (3): 24. 1915; *Lepiota laevigata* (J.E. Lange) J.E. Lange in Dansk bot. Ark. 4 (4): 47. 1923; *Lepiota oreadiformis* var. *laevigata* (J.E. Lange) Bon in Doc. mycol. 22 (88): 28. 1993.

- Lepiota oregonensis* H.V. Sm. in H.V. Sm. & Sundb. in Mycotaxon 8: 449. 1979; *Cystolepiota oregonensis* (H.V. Sm.) Vellinga in Mycotaxon 98: 228. 2007. Holotype H.V. Smith 156, 10 Oct. 1970, near Otis, Lincoln co., Oregon (MICH).
[very close to *C. hetieri*; N.B. clamp-connections are present]
- Macrolepiota orientexcoriata* Z.W. Ge, Zhu L. Yang & Vellinga in Fungal Diversity 45: 90. 2010. China.
- Leucoagaricus orientiflavus* Z.W. Ge in Mycotaxon 111: 122. 2010. China.
- Lepiota ossaeiformispora* S. Imai in J. Fac. Agric. Hokkaido Univ. 43: 43. 1938; *Cystoderma ossaeiformisporum* (S. Imai) S. Ito, Mycological Flora of Japan 2 (5): 282. 1959. Japan
[in *Lepiota*, with spurred spores].
- Leucocoprinus otsuensis* Hongo in J. Jap. Bot. 28: 70. 1953; *Lepiota otsuensis* (Hongo) Hongo in Mem. Fac. lib. Arts Educ. Shiga Univ., nat. Sci. 9: 75. 1959. Japan.
- Leucocoprinia ovatus* Raithelh., Nueva Flora micológico Argentina: 524. 2004. Argentina. PACA 22613.
- Agaricus (Pratella) oxyosmus* Mont. in Ann. Sci. nat., Bot., Sér. II, 5: 345. 1836.
[synonym of *Melanophyllum haematosporum* according to Saccardo, 1887]

- Agaricus padanus* Lancon. in Riv. Micol. 45 (1): 30. ('2001') 2002. Italy. {Agaricus}
- Lepiota pallida* Locq. in Bull. mens. Soc. linn. Lyon 14: 57. 1945 (not valid); *Lepiota pallida* Locq. ex Bon & Candusso in Candusso & Lanzoni, *Lepiota* s.l., *Fungi eur.* 4: 182. 1990. France, holotype M.B. 61045.(under Cedars).
- Lepiota lilacea* var. *pallida* Bon, Migl. & Cherubini in Doc. mycol. 19 (76): 71. 1989; *Lepiota lilacea* f. *pallida* (Bon et al.) Migl. in *Parliamo di Funghi*: 4. 2000. Typus 79110306 Herb. Bon, France, Pas de Calais, Ecault, 3-XI-1979.
[synonym of *Lepiota lilacea*]
- Lepiota brunneoincarnata* f. *pallida* Bon & A. Caball. in Bull. semestriel de la Fédération des Associations mycologiques méditerranéennes 18: 45. 2000. Spain.
- Macrolepiota procera* var. *pallida* Pázmány in Not. bot. Horti agrobot. Cluj-Napoca 18-19: 14. 1988/1989.
- Lepiota cristata* var. *pallidior* Boud. ex Bon in Doc. mycol. 7 (27-28): 14. 1977 (ad interim, not valid); *Lepiota cristata* var. *pallidior* Boud. ex Bon in Doc. mycol. 11 (43): 34. 1981.
[see under *Lepiota cristata*]
- Hymenagaricus pallidodiscus* D.A. Reid & Eicker in Mycotaxon 73: 169. 1999. Holotype PRU 4458; South Africa, Transvaal, on ground in debris under *Cupressus*. {Agaricus}
- Leucoagaricus purpureorimosus* f. *pallidus* Bon & Boiffard in Bon in Doc. mycol. 8 (29): 37. 1978. France.
- Lepiota pandorae* Velen., *Novitates mycol.*: 48. 1939. Czechoslovakia.
- Lepiota colubrina* var. *pantherina* Gray, *Nat. Arr. Br. Plants* 1: 602. 1821; *Lepiota clypeolaria* var. *pantherina* (Gray) Gillet, *Hyménomycètes*: 62. 1874.
[synonym of *Lepiota magnispora*]
- Lepiota neophana* var. *europaea* f. *papillata* Migl. & Perrone in *Boll. Ass. micol. ecol. Romana* 9 (27): 45. 1993. Holotypus in Herbario V. Migliozi n. 116/89; isotypus in herb. L. Perrone n. 92/89. Italy.
[type study see Vellinga & Huijser ('1998') 1999]
- Lepiota paraena* (Berk. & Broome) Sacc., *Syll. Fung.* 5: 59. 1887 (as *Lepiota paræna*); *Agaricus paraenus* Berk. & Broome in *J. linn. Soc., Bot.* 11: 502. 1871 (as *Ag. parænus*). Sri Lanka, Holotypus Thwaites 788 (K).
[as *Agaricus paroenus* in *Index Fungorum*]
[type study Pegler, 1972; as *Lepiota paroena*]
- Chamaemyces paraensis* Singer in *Fieldiana, Bot.*, n.S. 21: 100-101. 1989 (as *Chamaemyces ? paraensis*). Typus Brazil, Para, Belem, Estancia Pirelli, 7-VI-1966, Singer B4243 (BAFC) (as *Mellomyces paraensis* in herb.).
[Singer is not certain of its taxonomic position]
- Leucoagaricus paraplesius* Vellinga in *Mycotaxon* 102: 271. 2007. U.S.A., California. Mycobank 511148.
- Lepiota pardalina* Sacc., *Syll. Fung.* 5: 40. 1887.
[nomen nudum, see *Lepiota pardina*]
- Lepiota pardalota* (Berk. & Broome) Sacc., *Syll. Fung.* 5: 40. 1887; *Agaricus pardalotus* Berk. & Broome in *Trans. linn. Soc., Bot.* 27: 150. 1870. Sri Lanka. Type Thwaites 693 (K).
[type study Pegler, 1972]
- Agaricus pardalotus* Mont. in *Ann. Sci. Nat., Bot., Sér.* 4, 5: 353. 1856; *Lepiota pardalota* (Mont.) Sacc., *Syll. Fung.* 15: 189. 1901.
[see under *Lepiota pardina*]
[combination ascribed to Mussat in *Index Fungorum*; *Nom. inval.*, Art. 34.1(a), (c)]

- [type study Pegler, 1990; young material of *Oudemansiella canarii*]
 [not in *Agaricaceae*]
- Leucoagaricus pardalotus* Vellinga in Mycotaxon 112: 420. 2010.
- Lepiota pardina* Sacc. & Cub. in Sacc., Syll. Fung. 5: 56. 1887, nom. nov. for *Agaricus (Lepiota) pardalotus* Mont., non Berk. & Broome, 1870.
 [N.B. on page 40 under *Lepiota pardalota*, Saccardo refers to this as *Lepiota pardalina*]
- Agaricus osecanus* var. *parkensis* (F.H. Møller) Courtec. in Doc. mycol. 34 (135-136): 48. 2008;
Psalliota nivescens var. *parkensis* F.H. Møller in Friesia 4: 158. 1952. {*Agaricus*}
- Agaricus parmatus* Britzelm. in Ber. naturhist. Ver. Augsburg 27: 185, f. 140. 1883 (also as
Agaricus parmatus Britzelm. in Bot. Centr.bl. 73: 131. 1898)
 [as *Lepiota clypeolaria* subsp. *parmata* Britzelm. in Sacc., Syll. Fung. 5: 37. 1887.]
- Lepiota paroena* – see *Lepiota paraena*.
- Lepiota parva* Beardslee in J. Elisha Mitchell Sci. Soc. 31: 146. 1915. U.S.A., North Carolina.
- Agaricus parvannulatus* Lasch in Linnaea 3: 156. 1828; *Agaricus parvannulatus* Lasch : Fr.,
 Syst. mycol. 3 Index: 34. 1832; *Lepiota parvannulata* (Lasch : Fr.) Gillet,
 Hyménomycètes: 66. 1874.
- Leucoagaricus jubilaei* f. *parvisetulosus* Migl. in Boll. Ass. med. ecol. Romana 26: 4. 1992 (not
 valid, ad int.)
- Lepiota parvispora* Dennis in Kew Bull. 15: 114. 1961. Venezuela.
- Agaricus parvitigrinus* Guinb. & Callac in Callac & Guinberteau in Mycologia 97: 419. 2005.
 {*Agaricus*}
- Lepiota parvula* Velen., České Houby: 217. 1920.
- Lepiotella irrorata* f. *passerinii* Migl. & Zecchin in Micol. ital. 22 (2): 51. 1993.
 [probably a synonym of *Chamaemyces fracidus*]
- Lepiota patagonica* Singer in Beih. Nova Hedwigia 29 (Mycoflora australis): 172. 1969.
- Macrolepiota procera* var. *patentosquamosa* Pázmány in Not. bot. Horti agrobot. Cluj-Napoca
 18-19: 16. 1988/1989.
- Lepiota patouillardii* Sacc. & Trotter, Syll. Fung. 21: 17. 1912, superfluous nom. nov. for
Lepiota barlae Pat. in Bull. trimest. Soc. mycol. Fr. 21: 117. 1905.
 [correct name *Lepiota barlaeana* Pat., 1909]
- Agaricus pattersonae* Peck in Bull. Torrey Club 34: 347. 1907. U.S.A., California, Stanford
 University. {*Agaricus*}
- Agaricus (Lepiota) pauletii* Fr., Epicrisis: 17. 1838. (= *Hypophyllum Radula* Paulet Champ. t.
 163, f. 1, 2).
- Agaricus pearsonianus* Hlaváček in Mykol. Sborn. 79: 3. 2002, nom. nov. for *Psalliota*
xanthoderma var. *grisea* A.A. Pearson in Trans. Brit. mycol. Soc. 29: 204. 1945;
Psalliota grisea (A.A. Pearson) Essette, Les Psalliotas: 42. 1964; *Agaricus xanthoderma*
 var. *griseus* (Pearson) Bon & Cappelli, 1983, non *Agaricus griseus* Fr. : Fr., 1821.
 {*Agaricus*}
- Pilosace peckii* House in Bull. N.Y. State Mus. 205: 39. 1919.
 [synonym of *Melanophyllum haematospermum*]
- Agaricus pedilius* Berk. & Broome in J. linn. Soc., Bot. 14: 32. 1873; *Chitonina pedilia* (Berk. &
 Broome) Sacc., Syll. Fung. 5: 992. 1887; *Clarkeinda pedilia* (Berk. & Broome) Kuntze,
 Rev. Gen. Pl. 2: 848. 1891.
 [synonym of *Clarkeinda trachodes*]
- Hymenagaricus alphitochrous* var. *pegleri* Heinem. in Bulletin du Jardin Botanique National de
 Belgique 55(3-4): 494. 1985. Burundi. {*Agaricus*}

- Agaricus (Lepiota) pelidna* Berk. & Mont. in Mont., Syll. Crypt. n. 322. 1860; *Lepiota pelidna* (B. & Mont.) Sacc., Syll. Fung. 5: 67. 1887. U.S.A.
- Hiatula pellucida* (Masse) Singer in Anns mycol. 41: 168. 1943; *Schulzeria pellucida* Masee in Kew Bull. 1914: 72. 1914. Singapore.
- Leucocoprinus pepinosporus* Heinem. in Bull. Jard. bot. nat. Belg. 47: 84. 1977.
- Leucoagaricus pepinus* Heinem. in Bull. Jard. bot. nat. Belg. 43: 9. 1973. Holotype Congo, Panzi (Kivu), XII. 1953, M. Goossens-Fontana 5314 (BR).
- Agaricus pequinii* (Boud.) Konrad & Maubl., Ic. sel. Fung. 6: 61. 1937; *Psalliota pequinii* (Boud.) Jul. Schäff. in Schweiz. Z. Pilzk. 11: 71. 1932; *Clarkeinda pequinii* (Boud.) Sacc. & P. Syd., Syll. Fung. 16: 112. 1902; *Chitonia pequinii* Boud. in Bull. Soc. mycol. Fr. 17: 26. 1901.
[pl. 132 and 133 in Boud., Ic. mycol. 1. 1906] {Agaricus}
- Lepiota permixta* Barla in Bull. Soc. mycol. Fr. 2 (3): 114. 1886; *Leucocoprinus permixtus* (Barla) Locq. in Bull. mens. Soc. linn. Lyon 14: 91. 1945; *Macrolepiota permixta* (Barla) M.M. Moser, Blätter-, Bauchpilze, 1. Aufl.: 114. 1953 (not valid, basionym not mentioned); *Macrolepiota permixta* (Barla) Pacioni in Micol. ital. 8 (3): 13. 1979; *Macrolepiota procera* var. *permixta* (Barla) Quadraccia in Quadraccia & Lunghini in Quaderni di Accademia nazionale dei Lincei 264: 110. 1990 (published May 1990); Candusso & Lanzoni, *Lepiota* s.l., Fungi eur. 4: 535. 1990 (superfluous publication; published July 1990).
- Lepiota permodesta* (Schulzer) Sacc. & Trav., Syll. Fung. 19: 1085. 1910; *Agaricus permodestus* Schulzer in Oest. bot. Z. 33: 257. 1883 (as '*A. aduncipes*' on p. 1188 in Schulzer's book). [Schulzer, 1883: "Habitat in sylvis gregatim ad terram, Sept. – Nov., totus pure albus aut griseus, pilei vertex fuscidulus, lamellae interdum luteolae; pileo e conico-campanulato explanato, umbonato, usque 2.7 cm. lato, carnosulo, glabro; lamellis remotis, subconfertis, 2-3 mm. latis, stipite cavo, cylindrico aut sursum parum attenuato, recto aut basi quandoque incrassata curvato, apice 1.5-2 mm. cr., 5.40-8 cm. l. Annulus parvus, subpersistens, saepe in medio stipitis situatus. Sapor dulcidulus, interdum subamarus, odor nullus; forma et magnitudo sporarum adhuc ignotae".
- Lepiota perplexa* Knudsen in Bot. Tidsskr. 75: 137. 1980; *Cystolepiota perplexa* (Knudsen) Bon in Doc. mycol. 15 (60): 38. 1985; *Echinoderma perplexum* (Knudsen) Bon in Doc. mycol. 21 (82): 63. 1991. Denmark.
- Lepiota persoonii* (Fr.) Gillet, Hyménomycètes: 67. 1874; *Agaricus persoonii* Fr., Obs. 2: 7. 1818; *Agaricus persoonii* Fr. : Fr., Syst. mycol. 1: 27. 1821; *Amanita persoonii* (Fr. : Fr.) Bertillon in Dechambre, Dict. Encycl. Sci. médic. 1(3): 503. 1866; *Limacella persoonii* (Fr. : Fr.) E.J. Gilbert, Genre *Amanita* Pers.: 163. 1918; *Limacella persoonii* (Fr. : Fr.) Konrad & Maubl., Agaricales 1: 76. 1948.
[N.B. Gilbert treated *Limacella* as a subgenus of *Amanita*; in *Amanitaceae*]
- Clarkeinda pervolvata* (Boud.) Sacc. & Trotter, Syll. Fung. 23: 294. 1925; *Chitonia pervolvata* Boud. in Bull. trimest. Soc. mycol. Fr. 33: 9. 1917. {Agaricus ?}
- Lepiota petasiformis* Murrill in Mycologia 4: 232. 1912; *Cystolepiota petasiformis* (Murrill) Singer, Agaricales modern Taxonomy, 3rd Ed.: 472. 1975 (as *Lepiota petasitiformis*; without basionym, not valid); *Cystolepiota petasiformis* (Murrill) Vellinga in Mycotaxon 98: 228. 2007. U.S.A., Washington. Type W.A. Murrill 629, collected in humus in woods near Seattle, Washington, October 20-November 1, 1911.
[type study Smith, 1966; Vellinga, 2007b]
[very close to or identical with *Cystolepiota pulverulenta*]
[Murrill, 1912: "Pileus thin, hat-shaped, with prominent conic umbo, scattered or

- gregarious, 1.5-2.5 cm. broad; surface dry, rosy-isabelline, or about the color of the back of the hand, covered with an abundance of fine powder; lamellae free, subdistant, rather broad, white; spores ellipsoid, smooth, hyaline, minute, 3.5 x 2 µ; stipe slender, tapering upward, clothed with powder like the pileus, reaching 5 cm. long and 2-3 mm. thick; veil fugacious, not forming an annulus. Type collected in humus in woods near Seattle, Washington, October 20-November 1, 1911, W.A. Murrill 629. Also collected in the same region, Zeller 119. It suggests some forms of *L. cretacea*”]
- Agaricus petchii* Pegler in Kew Bull., Addit. Ser. 12: 346. 1986, nom. nov. for *Psalliota zeylanica* Petch, 1917, non *Agaricus zeylanicus* Berk., 1847. {Agaricus}
- Lepiota phaeoderma* Vellinga in Mycologia 102 (3): 672. 2010.
[misapplied name is *Lepiota neophana* sensu Sundberg 1989]
- Macrolepiota phaeodisca* F. Bellù in Boll. Gruppo micol. G. Bresadola 27: 6. 1984. Sardinia.
- Lepiota rufipes* f. *phaeophylla* Bon in Bon & G. Rioussset in Doc. mycol. 22 (85): 69. 1992.
[synonym of *Lepiota rufipes*]
- Lepiota phaeopus* Rick in Broteria, Ser. bot., 24: 97. 1930; *Leucocoprinus phaeopus* (Rick) Raitelth. in Metrodiana 13: 37. 1987. Typus nr. 17185 (Porto Novo 1930) in herb. Anchieta. Brazil.
- Lepiota phaeosticta* Morgan in J. Mycol. 12: 248. 1906. U.S.A., Ohio.
- Lepiota phaeostictiformis* Murrill in Bull. Torrey bot. Cl. 67: 232. 1940. U.S.A., Florida.
- Lepiota philippinensis* Mendoza in Mendoza & Leus-Palo in Philipp. J. Sci. 66: 364. 1938. Philippine Isl.
- Micropsalliota pholiotinoides* Heinem. in Bull. Jard. bot. nat. Belg. 53: 93. 1983.
Zaire. {Agaricus}
- Agaricus phlyctaenodes* Berk. & Broome in J. linn. Soc., Bot. 11: 501. 1871 (as *phlyctanodes*);
Lepiota phlyctaenodes (Berk. & Broome) Sacc., Syll. Fung. 5: 52. 1887. India. Holotypus Thwaites 820 p.p. (K).
[type study Pegler, 1972]
- Lepiota subvolvata* var. *picta* Malençon & Bertault in Acta phytotax. Barcinonensia 8: 41. 1971;
Sericeomyces subvolvatus f. *pictus* (Malençon & Bertault) Bon in Doc. mycol. 23 (89): 61. 1993.
- Lepiota pilatiana* Demoulin in Lejeunia, n.S. 39: 11. 1966; *Leucocoprinus pilatianus* (Demoulin) M.M. Moser in Gams, Kl. Kryptog.-Fl. 2b/2, 3. Aufl.: 186. 1967 (not valid);
Leucocoprinus pilatianus (Demoulin) Bon & Boiffard in Bull. trimest. Soc. mycol. Fr. 88: 26. 1972 (not valid); *Leucocoprinus pilatianus* (Demoulin) Wasser in Nov. Sist. vyssh. niz. Rast., 1977: 219. ('1977') 1978; *Leucoagaricus pilatianus* (Demoulin) Bon & Boiffard in Doc. mycol. 6 (24): 45. 1976; *Leucocoprinus badhami* var. *pilatianus* (Demoulin) Krieglsteiner in Beitr. Kenntn. Pilze Mitteleur. 7: 57. 1991.
- Micropsalliota pilicystis* Heinem. in Bull. Jard. bot. nat. Belg. 50: 49. 1980.
Singapore. {Agaricus}
- Lepiota pilodes* Vellinga & Huijser in Persoonia 15: 226. 1993. The Netherlands.
- Agaricus (Lepiota) pilosiusculus* Mont. in Anan. Sic. Nat., Bot., sér. IV, 1: 92. 1854; *Lepiota pilosiuscula* (Mont.) Sacc., Syll. Fung. 5: 68. 1887. C. America.
- Armillaria pinetorum* Gillet, Hyménomycètes: 79. 1874; *Lepiota pinetorum* (Gillet) Maire in Publ. Junta Cienc. Nat. Barcelona, Treb. Mus. Cienc. nat. Barcelona 15: 82. 1933.
[probably not a *Lepiota*, on account of the decurrent lamellae; *Cystoderma carcharias*, hence not in the *Agaricaceae*]
- Leucoagaricus pinguipes* (A. Pearson) Bon in Doc. mycol. 11 (43): 54. 1981; *Lepiota pinguipes* A. Pearson in Trans. Br. mycol. Soc. 35: 97. 1952; *Leucoagaricus macrorhizus* var.

- pinguipes* (A. Pearson) Alessio in Micol. ital. 17 (2): 8. 1988.
 [Type not indicated; collection mentioned in the description: GB, North Devon, Braunton Burrows, in sand, Sept. 1945, F.R. Elliston Wright. (K; ‘exsiccata of the new species have been deposited in the Herbarium, RBG, Kew’)]
 [synonym of *Leucoagaricus barssii*, *Leucoagaricus macrorhizus*, *Leucoagaricus pleurocystidiatus*]
 [see Vellinga (2000) for notes on the type collection]
- Agaricus pinguis* Fr., Epicrisis: 19. 1838; *Lepiota pinguis* (Fr.) P. Karst. in Bidrag Kännedom Finlands Natur Folk 32 (Ryssl., Finl. Skand. Halføns Hattsvamp.): 17. 1879.
- Lepiota pinicola* Murrill in Lloydia 9: 318. 1946. U.S.A., Florida. Holotype: F 38913, Aug. 1. 1945. U.S.A., Florida, Gainesville.
- Lepiota pitereka* Grgur. in Larger Fungi of South Australia: 452. 1997, nom. nov. for *Lepiota umbonata* Cleland, 1931, non *Lepiota umbonata* (Schum.) J. Schröt., 1889. Australia.
- Clarkeinda plana* (Clem.) Sacc. & Trotter, Syll. Fung. 21: 202. 1912; *Chitonia plana* Clem. in Botanical Survey of Nebraska 4: 23. 1896. U.S.A., Nebraska. {Agaricus}
- Armillaria platensis* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 98. (‘1898’) 1899. Argentina [Leucoagaricus spec. fide Singer in Sydowia 6: 345. 1952.]
- Lepiota platensis* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 82. (‘1898’) 1899 (Fungi Arg. novi v. crit.); *Leucoagaricus platensis* (Speg.) Raitelh. in Fl. mycol. Argentina Hongos 1: 298. 1987. Argentina.
- Agaricus (Lepiota) pleropus* Kalchbr. & MacOwan in Grevillea 9: 17. 1880 (?1881) (as *A. pteropus*); *Lepiota pleropus* (Kalchbr. & MacOwan) Sacc. in Syll. Fung. 5: 35. 1887 (as *Lepiota pteropoda*); *Amanita pleropus* (Kalchbr. & MacOwan) D.A. Reid in Contr. Bolus Herb. 7: 129. 1975. South Africa. Type on the ground, Inanda, Natal, J.M. Wood no. 392, June 1879, in K.
 [type study Reid, 1975; in *Amanitaceae*]
- Micropsalliota pleurocystidiata* Heinem. & Little Flower in Bull. Jard. bot. nat. Belg. 53: 81. 1983. {Agaricus}
- Leucoagaricus pleurocystidiatus* Migl. & Testoni in Riv. Micol. 43: 228. 2000. Typus MCVE860, Ferrara, Italy.
 [synonym of *Leucoagaricus barssii* (white variant), morphologically and molecularly; pers. obs. ecv]
- Lepiota pleurocystidiophora* Vila & Llimona in Rev. Catalana Micologia 28: 184. 2006. ad int. (not valid).
- Micropsalliota plumaria* (Berk. & Broome) Höhn. in Sber. Akad. Wiss. Wien, Math.-naturw. Kl., Abt. 1, 123: p. 32. 1914 (Fragm. Mykol. 16); *Stropharia plumaria* (Berk. & Broome) Sacc., Syll. Fung. 5: 1017. 1887; *Agaricus (Psalliota) plumarius* Berk. & Broome in J. linn. Soc., Bot. 11: 552. 1871. Sri Lanka. {Agaricus}
- Lepiota plumbicolor* (Berk. & Broome) Sacc., Syll. Fung. 5: 63. 1887; *Agaricus plumbicolor* Berk. & Broome in J. linn. Soc., Bot. 11: 510. 1871. Type Thwaites 864 (K).
 [type study Pegler, 1972]
- Schulzeria pluteoides* Rick in Iheringia, Bot. 8: 327. 1961. (not valid, no type collection mentioned).
- Lepiota pluvialis* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 88. (‘1898’) 1899. (Fungi Arg. novi v. crit.); *Lepiota cepistipes* var. *pluvialis* (Speg.) Rick in Iheringia, Bot. 8: 316. 1961 (as *Lepiota cepaestipes* var. *pluvialis*) (not valid, basionym not mentioned). Argentina.
- Lepiota mastoidea* var. *pobudae* Kavina in Věda Přír. 9: 54. 1928.

- Agaricus poderes* Berk. & Broome in J. linn. Soc., Bot. 14: 32. 1873; *Chitonia poderes* (Berk. & Broome) Sacc., Syll. Fung. 5: 992. 1887; *Clarkeinda poderes* (Berk. & Broome) Kuntze, Rev. Gen. Pl. 2: 48. 1891; *Chitoniella poderes* (Berk. & Broome) Henn. in Engl. & Prantl, Nat. Pflanzenfam. 1, 1**: 240. 1897.
[synonym of *Clarkeinda trachodes*]
- Lepiota polinea* Kučera in Čas. Čs. Houb. 11: 129–131. 1931.
- Lepiota poliochloodes* Vellinga & Huijser in Persoonia 15: 229. 1993. The Netherlands.
- Agaricus polyglomus* Berk. & Broome in J. linn. Soc., Bot. 11: 509. 1871; *Lepiota polygloma* (Berk. & Broome) Sacc., Syll. Fung. 5: 47. 1887. Sri Lanka. Holotypus Thwaites 907 (K).
[type study Pegler, 1972; closely allied to *Cystoderm granulatum*; **not in Agaricaceae**]
- Agaricus polymyces* Pers., Disp. meth. Fung.: 19. 1797; *Lepiota polymyces* (Pers.) Gray, Nat. Arr. Br. Plants 1: 603. 1821; *Armillariella polymyces* (Pers.) Singer & Cléménç. in Nova Hedwigia 23: 311. 1972; *Armillaria ostoyae* (Romagn.) Herink., non *Agaricus (Lepiota) polymyces* Secr., Mycogr. Suisse 1: 46. 1833.
[**not in Agaricaceae**]
- Agaricus polypyraxis* Berk. & M.A. Curtis in Ann. Mag. nat. Hist., Ser. II, 12: 417. 1853; *Amanita polypyraxis* (Berk. & M.A. Curtis) Sacc., Syll. Fung. 5: 18. 1887; *Lepiota polypyraxis* (Berk. & M.A. Curtis) Morgan in J. Mycol. 13: 11. 1907. U.S.A. – *Amanita candida* Peck in Bull. Torrey bot. Club 24: 137. 1897. – *Venenarius odoriferus* Murrill in Mycologia 35: 427. 1943; *Amanita odorifera* (Murrill) Murrill in Mycologia 35: 433. 1943.
[synonyms from Bas, 1969; **in Amanitaceae**]
- Agaricus (Lepiota) polysarcos* Kalchbrenner & MacOwan in Grevillea 9: 107/108. 1881; *Lepiota polysarca* (Kalchbr. & MacOwan) Sacc. in Syll. Fung. 5: 30. 1887. Type at K, in open bushy glades at the foot of Mt. Boschberg, Somerset East, South Africa, Feb. 1877, MacOwan no. 1370.
[synonym of *Leucoagaricus naucinus*; type study Reid, 1975)]
- Agaricus (Lepiota) polystictus* Berk. in Eng.-fl. 5: 9. 1836; *Lepiota polysticta* (Berk.) Gillet in Smith's English Flora (London): 9. 1887; *Lepiota polysticta* (Berk.) Sacc., Syll. Fung. 5: 49. 1887. UK.
- Lepiota pomacea* Velen., České Houby: 214. 1920.
- Agaricus (Lepiota) porrigens* Viv., Funghi Italia: 11. 1834, non *Agaricus porrigens* Pers.: Fr., Syst. Mycol. 1: 184. 1821 (= *Pleurocybella porrigens*); *Lepiota porrigens* (Viv.) Bres. in Annales mycol. 18: 65. 1920 (in list of synonyms).
[plate XII, figs 1-3 illustrates the species, but here the name has been changed to *A. prominens*; it might be that the plate is of later date than the text, but I have not been able to find this; TL2 gives as dates for the book 1834-1837; see also under *Agaricus prominens*]
[synonym of *Macrolepiota mastoidea*]
- Cystolepiota potassiovirens* Singer in Fieldiana, Bot., n.S. 21: 99. 1989.
- Lepiota cepistipes* var. *praealta* (J.F. Gmel.) Sacc. & Traverso in Syll. Fung. 19: 1077. 1910.
- Lepiota praeclara* A. Pearson in Trans. Br. mycol. Soc. 33: 288. 1950; *Amanita praeclara* (A. Pearson) Bas in Persoonia 5: 380. 1969. South Africa, Cape province, Simonstown, 22 April 1948, A.A. Pearson 10 (lectotype, K).
[type study Bas, 1969, see also Reid & Eicker, 1993; **in Amanitaceae**]
- Lepiota praegraveolens* Murrill in Bull. Torrey bot. Cl. 66: 153. 1939; *Amanita praegraveolens* (Murrill) Singer in Lilloa 22: 388. ('1949') 1951. U.S.A., Florida, Gainesville, 25-X-

- 1938, W.A. Murrill F 18298 (FLAS).
 [not in *Agaricaceae*]
- Agaricus praemagnus* Murrill in Mycologia 10: 78. 1918. Cuba. {*Agaricus*}
- Lepiota praetervisa* Hongo in Mem. Fac. lib. Arts Educ. Shiga Univ., nat. Sci. 9: 76. 1959, nom. nov. for *Lepiota neglecta* Hongo 1956, non *Lepiota neglecta* Murrill, 1951.
- Lepiota pratensis* (Fr.) Big. & Guill., Fl. Champ. sup. France: 58. 1909, non *Lepiota pratensis* Speg., 1899; *Agaricus clypeolarius* var. *pratensis* Fr., Epicr.: 15. 1838; *Lepiota clypeolaria* var. *pratensis* (Fr.) Gillet, Hyménomycètes: 62. 1874.
 [synonym of *Lepiota oreadiformis*]
- Lepiota pratensis* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 359 (index), 367 (errata). ('1898') 1899 (Fungi Arg. novi v. crit.). Argentina, nom. nov. for *Lepiota platensis* p. 92, homonym of *Lepiota platensis* Speg. p. 82.
- Agaricus (Lepiota) prevostii* Roum., Flore mycologique du département de Tarn-et-Garonne: 155. 1879 (as *A. prevosti*); *Lepiota prevostii* (Roum.) Sacc., Syll. Fung. 5: 30. 1887 (as *Lepiota prevosti*). France.
- Agaricus procerus* Scop., Fl. carn. 2: 418. 1772; *Agaricus procerus* Scop. : Fr., Syst. mycol. 1: 20. 1821; *Amanita procera* (Scop. : Fr.) Fr., Anteckningar öfver de i Sverige växande ätliga Svampar: 33. 1836; *Lepiota procera* (Scop. : Fr.) P. Kumm., Führ. Pilzk.: 135. 1871; *Lepiotophyllum procerum* (Scop. : Fr.) Locq. in Bull. mens. Soc. linn. Lyon 11: 40. 1942 (nom. inval.); *Macrolepiota procera* (Scop. : Fr.) Singer in Papers Mich. Acad. Sci., Arts Letters 32: 141. 1946.
- Lepiota proletaria* Rick in Iheringia, Bot. 8: 327. 1961; *Leucocoprinus proletarius* (Rick) Raithelh. in Metrodiana 13: 36. 1987. Brazil. Typus in Herb. Anchieta (Fungi rickiani) no. 20953 (S. Salvador 1944).
- Agaricus prominens* Viv., Funghi Italia: pl. 12, figs 1-3. 1834 (plate only; in text on p. 11 the species is called *Agaricus porrigens*); *Agaricus prominens* Fr., Hymenomyc. eur.: 30. 1874, non *Agaricus prominens* Schum., 1801 (see Fries, 1821: 306); *Lepiota prominens* (Fr.) Sacc., Syll. Fung. 5: 30. 1887; *Leucocoprinus prominens* (Fr.) Locq. in Bull. mens. Soc. linn. Lyon 14: 92. 1945; *Macrolepiota prominens* (Fr.) M.M. Moser in Gams, Kl. Kryptog.Fl. 2: 114. 1953 (not valid, basionym not mentioned); *Macrolepiota prominens* (Fr.) M.M. Moser in Gams, Kl. Kryptog.Fl. 2b/2, Ed. 3: 184. 1967.
 [*Agaricus prominens* is based on *A. porrigens/prominens* Viv.; Fries has seen Viviani's plate (as *A. prominens*) and references the text (*A. porrigens*)]
- Micropsalliota pruinosa* Heinem. in Bull. Jard. bot. nat. Belg. 59: 461. 1989. Holotype BR, Corner, 11 Dec. 1948; on soil in forest; Rio de Janeiro. {*Agaricus*}
- Lepiota psalion* Huijser & Vellinga in Vellinga & Huijser in Belg. J. Bot. 131: 203. ('1998') 1999.
- Lepiota psalliotoides* Henn. in Verh. bot. Ver. Brandenb. 44: 177. ('1902') 1903. Germany.
- Macrolepiota psammophila* Guinb. in Doc. mycol. 26 (102): 2. 1996; *Macrolepiota fuligineosquarrosa* f. *psammophila* (Guinb.) Migl. in Parliamo di Funghi: 4. 2000. Holotype Le Gulp, Gironde, France, 26-XI-1995, in Lille. (cotypus no. 9111163 in herb. JG).
 [part of the *Macrolepiota mastoidea/konradii* complex, based on nrITS sequences]
- Lepiota pselliophora* (Berk. & Broome) Sacc., Syll. Fung. 5: 52. 1887; *Agaricus pselliophorus* Berk. & Broome in J. linn. Soc., Bot. 11: 500. 1871. Sri Lanka. Holotypus Thwaites 798 (K).
 [type study Pegler, 1972 – in which Pegler expressed some doubt whether this species belongs in *Lepiota*, because of the solid stipe and the small subglobose spores.]

- Micropsalliota pseudoarginea* Heinem. in Bull. Jard. bot. nat. Belg. 52: 412. 1982. {Agaricus}
Lepiota pseudoasperula (Knudsen) Knudsen in Bot. Tidsskr. 75: 128. 1980; *Cystolepiota pseudoasperula* Knudsen in Bot. Tidsskr. 73: 125. 1978; *Echinoderma pseudoasperulum* (Knudsen) Bon in Doc. mycol. 21 (82): 63. 1991.
- Chamaemyces fracidus* var. *pseudocastaneus* Bon & Boiffard in Bull. trimest. Soc. mycol. Fr. 90: 303. 1974; *Chamaemyces pseudocastaneus* (Bon & Boiffard) Contu in Bol. Soc. Brot., Sér. II, 63: 384. 1990; *Lepiotella irrorata* f. *pseudocastanea* (Bon & Boiffard) Migl. & Zecchin in Micol. ital. 22 (2): 51. 1993.
- Leucoagaricus macrorrhizus* var. *pseudocinerascens* Bon in Doc. mycol. 20 (78): 58. 1990. France, holotype PC 190104 (based on *Leucoagaricus pseudocinerascens* Bon in Doc. mycol. 7 (27-28): 13. 1977 (not valid, ad interim)); *Leucoagaricus pseudocinerascens* (Bon) Bon in Doc. mycol. 23 (89): 61. 1993.
- Lepiota pseudocristata* Velen., České Houby: 208. 1920.
- Leucocoprinus cepistipes* var. *pseudofarinosus* Raithelth., Nueva Flora micológico Argentina: 524. 2004.
- Lepiota pseudofelina* J.E. Lange, Fl. agar. dan. 5: V. 1940. Denmark.
 [see Vellinga & Huijser (1993) for a discussion of the naming and interpretations of *L. griseovirens* and of *L. pseudofelina*]
- Cystolepiota pseudogranulosa* (Berk. & Broome) Pegler in Kew Bull. add. Ser. 12: 283. 1986; *Agaricus pseudogranulosus* Berk. & Broome in J. linn. Soc., Bot. 11: 501. 1871; *Lepiota pseudogranulosa* (Berk. & Broome) Sacc., Syll. Fung. 5: 53. 1887. Holotypus Thwaites 823 (K).
 [type study Pegler, 1972]
- Lepiota pseudogranulosa* Velen., Novitates mycol. nov.: 20. 1947, non *Lepiota pseudogranulosa* (Berk. & Broome) Sacc., 1887.
- Lepiota pseudogranulosa* Murrill ???
 [as such in Index Fungorum, without any details; Feb. 2005]
- Lepiota pseudohelveola* Hora in Trans. Br. mycol. Soc. 43: 44. 1960; *Lepiota pseudohelveola* Kühner in Bull. trimest. Soc. mycol. Fr. 52: 221-223. 1936 (nomen nudum, no Latin diagn.). Holotype GB, Berkshire, Windsor Great Park, 18-X-1957, herb. Hora, but holotype 'lost'. – *Lepiota pseudohelveola* var. *sabulosa* Bon in Doc. mycol. 17 (67): 8. 1987.
 [synonym of *Lepiota pseudolilacea* Huijsman]
- Lepiota pseudoignicolor* Dennis in Kew Bull. 15: 115. 1961. – *Lepiota subgranulosa* var. *majus* Dennis in Kew Bull. 7: 478. 1952. Guadeloupe, Venezuela.
 [synonymy fide Pegler, 1993]
- Lepiota pseudolichmophora* Rea, Brit. Basidiomyc.: 74. 1922.
 [synonym of *Leucocoprinus birnbaumii*]
 [*Lepiota lichmophora* s. auct., non Berk. & Broome, non Petch]
- Lepiota pseudolilacea* Huijsman in Bull. mens. Soc. linn. Lyon 16: 182. 1947; *Lepiotula pseudolilacea* (Huijsman) Wasser in Nov. Sist. vyssh. nic. Rast., 1975: 191. ('1975') 1976. The Netherlands, lectotype, Zeeland, Walcheren, Dishoek, 3-XI-1936 (L).
- Lepiota rhodorhiza* var. *pseudolocquinii* Migl. & Coccia in Micol. ital. 20 (2): 18. 1991. Holotype herb. Migliozi 68/90. Italy.
- Macrolepiota procera* var. *pseudo-olivascens* Bellù & Lanzoni in Beitr. Kenntn. Pilze Mitteleur. 3: 190. 1987; *Macrolepiota olivascens* f. *pseudo-olivascens* (Bellù & Lanzoni) Hauskn. & Pidlich-Aigner in Österr. Z. Pilzk. 13: 30. 2004.
- Lepiota pseudopatagonica* Garrido in Bibliotheca mycol. 120: 129. 1988. Chile.

- Leucoagaricus pseudopilatianus* Migl., Rocabrana & Tabarés in Revista Catalana de Micologia 23: 67. 2001. Type in Herbarium Societat Catalana de Micologia, Barcelona, SCM 3904B. Spain.
- Lepiota pseudoroseola* Dennis in Kew Bull. 7: 476. 1952. Venezuela.
[perhaps synonym of *Leucocoprinus roseolus* (Beeli) Heinem.]
- Lepiota pseudorubella* Gubitz in Z. Mykol. 74: 136. 2008. Hothouse Germany. type in M.
[close to *L. rubella*, but pileus covering elements clavate]
- Lepiota pseudorubiginosa* J. Cifuentes & Guzmán in Boln. Soc. mex. Micol. 16: 48. 1981;
Rugospora pseudorubiginosa (J. Cifuentes & Guzmán) Guzmán & Bandala in
Guzmán, Bandala, Montoya & Saldarriaga in Brenesia 32: 108. ('1989') 1990.
[synonyms are *Lepiota epicharis* var. *occidentalis* and *Leucoagaricus rubrosquamosus*
sensu Singer; fide Franco-Molano, 1995]
- Lepiota pseudovolvolata* (Höhn.) Singer in Lilloa 22: 443. ('1949') 1951; *Micropsalliota*
pseudovolvolata Höhn. in Sitzungsber. Akad. Wissensch. Wien, math.-naturwissensch.
Kl., Abt. 1. 123: 31. 1914 (Fragm. Mykol. 16).
- Agaricus pteropus* Kalchbr. & MacOwan in Grevillea 9: 17. 1880-1881; *Lepiota pteropoda*
(Kalchbr. & MacOwan) Sacc., Syll. Fung. 5: 35. 1887.
- Micropsalliota pudica* Heinem. & Leelav. in Mycol. Research 95(3): 343. 1991. Holotype BR,
Leelavathy F126; on soil; Kerala, India. {Agaricus}
- Agaricus pudicus* Bull., Hist. Champ. France: 635, pl. 597 II. 1793; *Lepiota pudica* (Bull.) Quél.,
Enchiridion Fung.: 7. 1886; *Leucocoprinus pudicus* (Bull.) Locq. in Bull. mens. Soc. linn.
Lyon 14: 53. 1945; *Leucoagaricus pudicus* (Bull. : Fr.) M.M. Moser in Gams, Kl.
Kryptog.Fl. 2b/2: 115. 1953 (not valid) *Leucoagaricus pudicus* (Bull.) M.M. Moser ex
Bon in Doc. mycol. 7 (27-28): 20. 1977 (not valid); *Leucoagaricus pudicus* (Bull.) Bon in
Doc. mycol. 11 (43): 64. 1981.
[synonym of *Leucoagaricus leucothites*]
- Agaricus rhacodes* var. *puellaris* Fr., Monogr. Hymenomyc. Suec. 2: 285. 1863 (as *Agaricus*
*hacodes** *puellaris*); *Agaricus rhacodes puellaris* Fr., Hymenomyc. eur.: 29. 1874;
Lepiota rhacodes var. *puellaris* (Fr.) Sacc., Syll. Fung. 5: 29. 1887; *Lepiota procera* var.
puellaris (Fr.) Masee, Brit. Fung. Fl. 3: 235. 1893; *Lepiota puellaris* (Fr.) Rea, Brit.
Basidiomyc.: 65. 1922; *Lepiotophyllum rhacodes* var. *puellaris* (Fr.) Locq. in Bull. mens.
Soc. linn. Lyon 11: 40. 1942 (nom. inval.); *Leucocoprinus puellaris* (Fr.) Locq. in Bull.
mens. Soc. linn. Lyon 14: 91. 1945; *Macrolepiota puellaris* (Fr.) M.M. Moser, Blätter-,
Bauchpilze, 1. Aufl.: 114. 1953 (not valid, basionym not mentioned); *Macrolepiota*
puellaris (Fr.) M.M. Moser, Röhrlinge Blätterpilze, 3. Aufl.: 184. 1967.
[synonym of *Leucoagaricus nymphaeum*]
- Macrolepiota pulchella* de Meijer & Vellinga in Mycotaxon 85: 184. 2003, nom. nov. for
Volvolepiota brunnea (Rick) Singer in Bol. Soc. arg. Bot. 8: 12. 1959; *Lepiotella brunnea*
Rick in Lilloa 2: 251. 1938. Brazil.
- Lepiota pulcherrima* Zeller in Mycologia 14: 185. 1922 (homonym of *Lepiota pulcherrima* P.W.
Graff, 1914); *Lepiota decorata* Zeller in Mycologia 21: 103. 1929; nom. nov. for *Lepiota*
pulcherrima Zeller, non *Lepiota pulcherrima* P.W. Graff, 1914.
- Lepiota pulcherrima* P.W. Graff in Philipp. J. Sc. Bot. 9: 244. 1914; *Sericeomyces pulcherrimus*
(Graff) Heinem. in Bull. Jard. bot. nat. Belg. 48: 405. 1978.
- Lepiota pulveracea* Peck in Ann. Rep. N.Y. St. Mus. nat. Hist. 54: 144. 1901 (annual report of
the state botanist on 1900); *Armillaria pulveracea* (Peck) Kauffman in Papers Mich.
Acad. Sci., Arts Letters 4: 317. 1924; *Cystoderma pulveraceum* (Peck) A.H. Sm. &
Singer in Papers Mich. Acad. Sci., Arts Letters 30: 104. ('1944') 1945. ("in woods, on

- prostrate trunks of spruce trees. Floodwood. August, apparently related to *L. granulosa*”). U.S.A., Minnesota.
 [not in *Agaricaceae*]
- Lepiota pulveracea* Henn. in Engler bot. Jahrb. 30: 56. 1901; homonym of *Lepiota pulveracea* Peck, 1901; *Lepiota henningsiana* Sacc. & Dom. Sacc., Syll. Fung. 17: 5. 1905.
- Lepiota pulverapella* Zeller in Mycologia 25: 382. 1933. Type S.M. Zeller 8059, in open pastures, solitary, near Peoria, Linn Co., Oregon. U.S.A., Oregon.
 [type study Sundberg, 1995]
 [Zeller 1933: “Solitaria: pileo carnosio, 7-12 cm. crasso convexo vel plano-depresso; superficie arida " pecan brown " vel " Rood's brown " (Ridgway 1912), mutans cacaotica brunnea, pulverulenta enatus squamis minutis erectis obseto; margine sterile ad maturitatem radiatim rimoso; contextu albo mutans sublutescens, tenui spongioso, centro 8-12 mm. crasso, sapore miti, odore farinaceo; lamellis liberis prope stipite albis sed arescendo carneis vel roseo- et vinaceo-tinctis 6-8 mm. crassis, acie levis vel leniter serrata; stipite 7-10 cm. longo, 1-1.3 cm. crasso sursam attenuato, utrimque glabro, albo tactu brunnescento, cavitate fibrillis sericeis leniter farcta; annulo membranaceo reflexo inferiore albo tactu brunnescento; sporis levis hyalinis ellipsoideo-ovatis, 6-7 X 4 µ. Ad terram in pratis, prope Peoria, Oregon, Amer. Bor. (S.M. Zeller).”]
- Cystolepiota pulverulenta* (Huijsman) Vellinga in Persoonia 14: 407. 1992; *Lepiota pulverulenta* Huijsman in Persoonia 1: 328. 1960; *Leucoagaricus pulverulentus* (Huijsman) Bon in Doc. mycol. 8 (30-31): 70. 1978; *Leucoagaricus pulverulentus* (Huijsman) M.M. Moser, Röhrlinge-Blätterpilze, 4. Aufl.: 246. 1978; *Pulverolepiota pulverulenta* (Huijsman) Bon in Doc. mycol. 22 (88): 30. 1993. The Netherlands. – *Leucoagaricus pulverulentus* f. *minimus* Bon et al. in Doc. mycol. 19 (75): 54. 1989; *Pulverolepiota pulverulenta* f. *minima* (Bon et al.) Bon in Doc. mycol. 22 (88): 30. 1993; *Cystolepiota pulverulenta* f. *minima* (Bon et al.) La Chiusa in Riv. Micol. 41: 152. 1998.
 [type study Vellinga, 1992]
 [synonym of *C. petasiformis*; Vellinga 2007b]
- Micropsalliota pulverulenta* Heinem. & Leelav. in Mycol. Research 95: 344. 1991. Holotype BR, Leelavathy F271; on soil; Kerala, India. {*Agaricus*}
- Cystolepiota pumanquensis* Singer in Lazo in Lejeunia, n.S. 61: 19. 1971; *Cystolepiota pumanquensis* Singer in Beih. Sydowia 7: 66. 1973. Chile. Holotypus W. Lazo PU-104, Pumanque, prov. Colchagua, Chile, 25-VIII-1967 (NY).
- Leucoagaricus puncticulosus* Pegler in Kew Bull. 23: 219. 1969. Ghana.
- Agaricus pungens* Berk. & Broome in J. linn. Soc., Bot. 11: 512. 1871; *Lepiota pungens* (Berk. & Broome) Sacc., Syll. Fung. 5: 65. 1887.
 [according to Pegler (1972; 1986) synonym of *Lepiota flagellata*; type study Pegler, 1972]
- Lepiota punicea* Masee in Kew Bull. 1912: 253. 1912. India.
- Lepiota purpurata* (G. Stev.) E. Horak in Sydowia 33: 129 (‘1980’) 1981; *Pluteus purpuratus* G. Stev. in Kew Bull. 16: 73. 1962; *Lepiotula purpurata* (G. Stev.) E. Horak in N.Z. J. Bot. 9: 448. 1971.
- Micropsalliota purpurea* Singer in Nova Hedwigia 29: 48. 1977. Ecuador. {*Agaricus*}
- Lepiota purpureoconia* G.F. Atk. in J. Mycol. 8: 116. 1902; *Cystolepiota purpureoconia* (G.F. Atk.) Bon in Doc. mycol. 22 (88): 27. 1993. U.S.A., New York.
- Lepiota purpureoimbricata* Beeli in Bull. Soc. Roy. bot. Belg. 59: 104. 1927. Congo.
- Leucoagaricus purpureolilacinus* Huijsman in Fungus 25: 33. 1955. The Netherlands.

- Leucoagaricus purpureorimosus* Bon & Boiffard in Bon in Doc. mycol. 8 (29): 37. 1978. France.
[synonym of *Leucoagaricus purpureolilacinus* Huijsman]
- Lepiota purpureorubra* Bi, Li & Zheng in Acta mycol. sinica Suppl. 1: 291. ('1986') 1987.
China. Holotype Institute of microbiology Guangdong HMIGD 8660.
- Lepiota pusilla* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 96. ('1898')1899 (Fungi Arg.
novi v. crit.).
- Lepiota pusilla* Velen., České Houby: 209. 1920, non *Lepiota pusilla* Speg., 1899.
- Cystolepiota pusilla* Nezdobjm., Nov. Sist. niz. Rast. 18: 103. 1981; *Lepiota pusilla* (Nezdobjm.)
Wasser in Agarikovye Griby SSSR: 115. 1985 (April); also published in Agarica 6 (12):
299. Aug. 1985, non *Lepiota pusilla* Velen., 1920, nor *Lepiota pusilla* Speg., 1899.
Kazakh S.S.R.
- Micropsalliota pusillissima* R.L. Zhao, Desjardin, K. Soyton & K.D. Hyde in Fungal Diversity
45: 68. 2010. Thailand. {**Agaricus**}
- Agaricus (Lepiota) pusillomyces* Peck in Ann. Rep. N.Y. St. Mus. nat. Hist. 28: 48. 1876 (annual
report on 1874); *Lepiota pusillomyces* (Peck) Sacc., Syll. Fung. 5: 48. 1887; *Lepiota
seminuda* var. *pusillomyces* (Peck) H.V. Sm. in Lloydia 17: 320. 1954 (not valid,
basionym not cited); *Cystolepiota pusillomyces* (Peck) Redhead in Can. J. Bot. 65: 1555,
1557. 1987. ground under *Pteris aquilina*. Lake Pleasant. August.
[Peck 1876: "Pileus thin, subcampanulate or convex, subumbonate, minutely granular-
mealy, whitish or dingy; lamellae broad, close, free, white; stem slender, equal,
exannulate, rough with a granular-mealiness, colored like the pileus; spores elliptical
.00016'-.0002' long. Plant scarcely 1' high, pileus 2''-4'' broad, stem .5'' thick."]
- Leucocoprinus pusillus* T.K.A. Kumar & Manim. in Mycotaxon 108: 417. 2009. India, Kerala
State. Mycobank MB512343.
- Lepiota puttemansii* Pat. in Bull. trimest. Soc. mycol. Fr. 37: 81. 1921. Petropolis, Brazil, Mai
1913, leg. Puttemans. Type in FH.
- Lepiota pygmaea* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 84. ('1898')1899 (Fungi Arg.
novi v. crit.). Argentina.
- Lepiota pyrenaica* Quél. in C. r. Ass. franç. Av. Sci. 16 (Suppl. Champ. Jura Vosges 16): 587.
1888.
[synonym of *Phaeolepiota aurea*, not in *Agaricaceae*]
- Agaricus pyrocephalus* Berk. & Broome in J. linn. Soc., Bot. 11: 504. 1871; *Lepiota pyrocephala*
(Berk. & Broome) Sacc., Syll. Fung. 5: 60. 1887; *Lepiota cristata* var. *pyrocephala*
(Berk. & Broome) Rick in Iheringia, Bot. 8: 315. 1961 (not valid, basionym not cited).
[synonym of *Leucoagaricus viriditinctus* (Berk. & Broome) J.F. Liang, Zhu L. Yang & J.
Xu]
- Lepiota pyrochroa* Malençon in Malençon & Bertault, Champ. sup. Maroc 1: 137. 1970.
Morocco.
- Lepiota pyrhaes* (Berk. & Broome) Sacc., Syll. Fung. 5: 62. 1887; *Agaricus pyrhaes* Berk. &
Broome in J. linn. Soc., Bot. 11: 508. 1871. Holotypus 1163 (K). Sri Lanka.
[type study Pegler, 1972; synonyms according to Pegler (1972): *Agaricus russoceps*
Berk. & Broome in J. linn. Soc., Bot. 11: 508. 1871; *Lepiota russoceps* (Berk. &
Broome) Sacc., Syll. Fung. 5: 63. 1887.]
- Leucoagaricus pyrrophaeus* Vellinga in Mycotaxon 112: 433. 2010.
- Leucoagaricus pyrrehulus* Vellinga in Mycotaxon 112: 435. 2010.

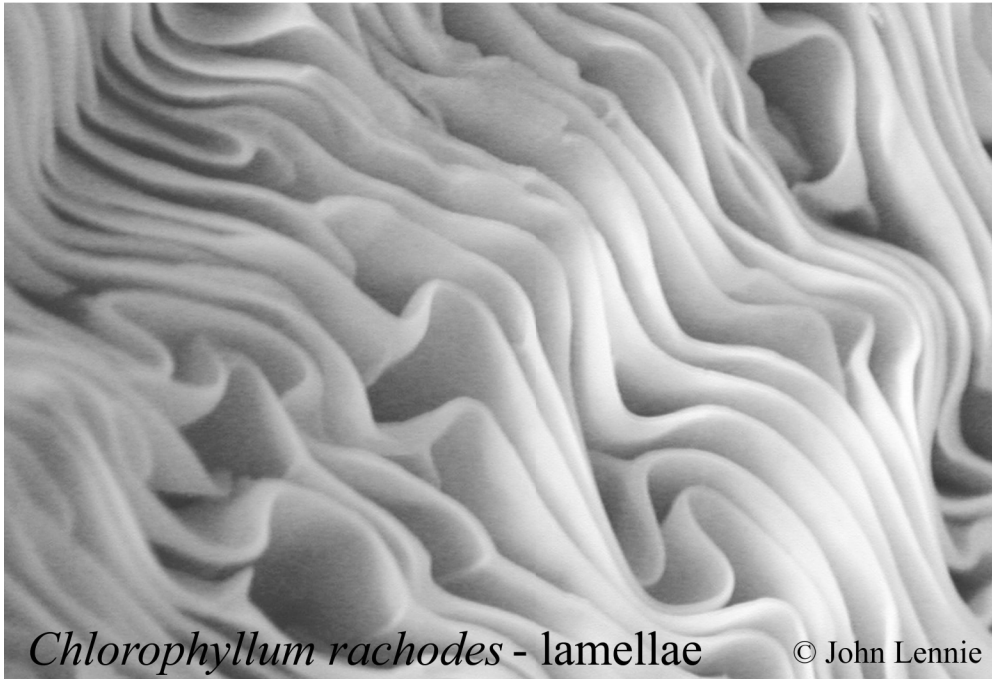
Lepiota queletii Sacc. & P. Syd. in Syll. Fung. 14: 69. 1899, nom. nov. for *Lepiota littoralis* QuéL., Champ. Jura vosges Suppl. 18: 4. 1891, non *Lepiota littoralis* Ménier, 1899.

Lepiota gracilentata var. *queletii* Schulzer in Hedwigia 24: 132. 1885 (as var. *Quéletii*). Slavonia.

Leucoagaricus quilonensis A.V. Sathe & J. Daniel in Maharashtra Association for the Cultivation of Science, Monogr. no. 1. Agaricales (Mushrooms) of South West India (Pune): 85. ('1980') 1981. (as *Leucoagaricus quilonense*) India.

Lepiota quinamana Dennis in Kew Bull. 7: 474. 1952. Trinidad.

Lepiota quintanaroensis Guzm.-Dáv. & Guzmán in Boln Soc. mex. Micol. 17: 50. ('1982') 1983.



Chlorophyllum rachodes - lamellae

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- Lepiota rabarijaonae* Bouriquet in Bull. Acad. Malgache, n.S., 25: 14. 1942-1943. Madagascar.
[looks macroscopically like *La. melanotrichus*]
- Agaricus rachodes* Vittad., Descr. Funghi mang. Italia: 158. 1833; *Agaricus procerus* b. *rachodes* (Vittad.) Rabenh., Deutschl. Krypt.Fl. 1: 574. 1844; *Lepiota rachodes* (Vittad.) Quél. in Mém. Soc. Émul. Montbéliard. sér. II, 5: 70. 1872 (Champ. Jura Vosges 1); *Leucocoprinus rachodes* (Vittad.) Pat., Ess. tax. Hym.: 171. 1900; *Lepiotohyllum rhacodes* (Vittad.) Locq. in Bull. mens. Soc. linn. Lyon 11: 40. 1942 (nom. inval.); *Macrolepiota rachodes* (Vittad.) Singer in Lilloa 22: 417. ('1949') 1951; *Chlorophyllum rachodes* (Vittad.) Vellinga in Mycotaxon 83: 416. 2002; *Lepiota procera* var. *rhacodes* (Vittad.) Quél., Enchiridion Fungorum: 5. 1886. – *Hypophyllum columella* Paul., Tr. Champ.: pl. 135, fig. 15. 1808-1835. (not validly published, art. 41.2). – *Agaricus subtomentosus* Krombh., Nat. Abb. Besch. Schw.: 9, pl. 4. 1836; *Agaricus procerus subtomentosus* (Krombh.) Rabenh., Deutschl. Krypt.Fl. 1: 547. 1844. – *Agaricus subprocerus* Saut. in Hedwigia 15: 152. 1876; *Lepiota subprocera* (Saut.) Sacc., Syll. Fung. 5: 28. 1887.
- Lepiota radicata* Rick in Lilloa 1: 337. 1937, non *Lepiota radicata* (Peck →) Morgan, 1907. Brazil.
- Amanita radicata* Peck in Bull. Torrey Club 27: 609. 1900, non *Amanita radicata* Voglino, 1894; *Lepiota radicata* (Peck →) Morgan in J. Mycol. 13: 13. 1907; *Amanita rhopalopus* Bas, nom. nov. in Persoonia 5: 414. 1969. U.S.A., NJ.
[in *Amanitaceae*]
- Lepiota missionis* var. *radicata* Eichelb. in Verhandl. Naturw. Vereins Hamburg, 3. Folge, 14: 88. 1906.
- Cystolepiota adulterina* f. *reidii* Bon in Doc. mycol. 11 (43): 25. 1981; *Cystolepiota adulterina* var. *reidii* (Bon) Bon in Doc. mycol. 22 (88): 27. 1993.
[synonym of *Cystolepiota adulterina* (F.H. Møller) Bon; type study Vellinga & Huijser, 1998]
- Micropsalliota repanda* Heinem. in Bull. Jard. bot. nat. Belg. 50: 61. 1980. {*Agaricus*}
- Mastocephalus repandus* Clem. in Bot. Survey Nebraska 4, Lincoln: 18. 1896; *Lepiota repanda* (Clem.) Sacc., Syll. Fung. 14: 66. 1899. U.S.A., Nebraska.
- Leucoagaricus repertus* Raithelh. in Metrodiana 16: 44. 1988. Typus no. 25.88 (Killesberg, Stuttgart, BRD, 18.IX.1988) in herb. Raithelhuber.
- Lepiota retinosa* Velen., Novitates mycol.: 52. 1939.
- Lepiota revelata* (Berk. & Broome) Sacc., Syll. Fung. 5: 63. 1887; *Agaricus revelatus* Berk. & Broome in J. linn. Soc., Bot. 11: 510. 1871. Sri Lanka. Holotypus Thwaites 922 (K).
[type study Pegler, 1972]
- Lepiota revocans* (Cooke & Masee) Aberdeen in Kew Bull. 16: 135. 1962; *Agaricus (Schulzeria) revocans* Cooke & Masee in Cooke in Grevillea 18: 2. 1889; *Schulzeria revocans* (Cooke & Masee) Sacc., Syll. Fung. 9: 11. 1891. Australia, Brisbane.
[perhaps synonym of *Lepiota aspera*]
- Lepiota revoluta* Rick in Lilloa 1: 337. 1937; *Leucocoprinus revolutus* (Rick) Raithelh. in Metrodiana 13: 40. 1987. Brazil. Typus no. 17192 in herb. Anch.
- Agaricus rhacodermus* Berk. & Broome in J. linn. Soc., Bot. 11: 510. 1871; *Lepiota rhacoderma* (Berk. & Broome) Sacc., Syll. Fung. 5: 63. 1887 (as *Lepiota rhachoderma*). Holotypus Thwaites 867 (K), Sri Lanka.
[Berk. & Broome, 1871: "Pileo depresso striato; epidermide brunnea mox lacerata; stipite solido albo; lamellis latis carneis. Pileus 1 ¼ inch across, depressed, thin, striate beneath

the brown cuticle, which is soon broken up into various-sized patches; stem 1 inch high, nearly equal, solid, white; gills nearly two lines broad, ventricose, approximate, flesh coloured; spores ·0003' long.”]

[type study Pegler, 1972; synonym of *Pluteus brunneopictus* (Berk. & Broome) Sacc., 1887]

[not in *Agaricaceae*]

Macrolepiota rhacodes

[see under *Chlorophyllum rachodes*]

Lepiota rhacodioides Henn. in Engler bot. Jahrb. 30: 56. 1901. Cameroon.

Agaricus rhizobolus Berk. in Lond. J. Bot. 4: 42. 1844 (Decades of fungi no. 21); *Lepiota rhizobola* (Berk.) Sacc., Syll. Fung. 5: 41. 1887. Type Australia Drumm. 106

Agaricus rhodocephalus Berk. in Ann. Mag. nat. Hist., Ser. V, 15: 384. 1885; *Lepiota rhodocephala* (Berk.) Sacc., Syll. Fung. 5: 59. 1887; *Leucoagaricus rhodocephalus* (Berk.) Pegler in Kew Bull. 30: 432. 1975. Zanzibar.

[type study Pegler, 1975]

Agaricus rhodochrous Berk. & Broome in J. linn. Soc., Bot. 11: 551. 1871.

[synonym of *Melanophyllum haematospermum*]

Lepiota rhodopepla Morgan in J. Mycol. 13: 6. 1907. U.S.A., Ohio.

Lepiota rhodophylla Vellinga in Mycotaxon 98: 206. 2007. U.S.A., California. Mycobank 510368

Lepiota rhodorhiza Romagn. & Locq. ex P.D. Orton in Trans. Br. mycol. Soc. 43: 285. 1960;

Lepiota rhodorhiza (Romagn. & Locq.) Locq. in Bull. mens. Soc. linn. Lyon 14: 98. 1945 (not valid); *Lepiota setulosa* var. *rhodorhiza* Romagn. & Locq. in Locq. in Bull. trimest. Soc. mycol. Fr. 40: 38. 1944 (not valid); *Lepiota setulosa* var. *rhodorhiza* Romagn. & Locq. in Locq. in Bull. trimest. Soc. mycol. Fr. 60: 38. 1944 (not valid); *Lepiota setulosa* var. *rhodorhiza* (P.D. Orton) Hardtke & Rödel in Mykol. Mitt.bl. 35: 62. 1992. Type GB, Norfolk, Honingham, Mousewood Farm Wood, 8-X-1958 (K). England.

Lepiota rhodosperma P.D. Orton in Notes R. bot. Gdn Edinb. 41: 591. 1984 (as *Lepiota 'Macrolepiota' rhodosperma*); *Macrolepiota rhodosperma* (P.D. Orton) Migl. in Boll. Gruppo micol. G. Bres., n.S. 38: 140-141. 1995. United Kingdom.

Lepiota rhombospora G.F. Atk. in Proc. Am. phil. Soc. 57: 356. 1918; *Flammulaster carpophilus* var. *rhombosporus* (G.F. Atk.) Vellinga in Persoonia 13: 10. 1986. U.S.A. [for further synonyms see Vellinga, 1986]

Lepiota rhyarophora (Berk. & Broome) Sacc., Syll. Fung. 5: 60. 1887; *Agaricus rhyarophorus* Berk. & Broome in J. linn. Soc., Bot. 11: 500. 1871. Sri Lanka. Holotypus Thwaites 885 (K).

[type study Pegler, 1972]

Agaricus (Lepiota) rhytipelta F. v. Mueller in Kalchbr. in Proceedings Linn. Soc. N.S.W. 7: 104. 1882; *Lepiota rhytipelta* (F. v. Mueller) Sacc., Syll. Fung. 9: 7. 1891. Australia.

Lepiota rickenii Velen., Novitates mycol.: 47. 1939; *Macrolepiota rickenii* (Velen.) Bellù & Lanzoni in Beitr. Kenntn. Pilze Mitteleur. 3: 196. 1987; *Macrolepiota mastoidea* var. *rickenii* (Velen.) Gminder in Krieglsteiner (ed.) Die Großpilze Baden-Württembergs 4. Ständerpilze: Blätterpilze II: 443. 2003.

[probably synonym of *Macrolepiota gracilentia*.]

Lepiota rickiana Speg. in Rel. myc. trop. in Bol. Ac. Nac. Cienc. Córdoba 23: 9. 1919. (nom. nov. for *Lepiota erythrella* var. *rimulosa* sensu Rick); *Leucoagaricus rickianus* (Speg.) Singer in Beih. Sydowia 7: 68. 1973. Paraguay.

- Lepiota rimosa* Murrill in Mycologia 3: 85. 1911. Cuba.
[type studies by Smith, 1966; Pegler, 1987b and Dennis, 1952]
- Leucoagaricus rimosovelatus* Contu in Bol. Soc. Brot., Sér. II, 63: 380. 1990; *Leucoagaricus pilatianus* f. *rimosovelatus* (Contu) Bon in Doc. mycol. 22 (88): 31. 1993; *Leucoagaricus pilatianus* var. *rimosovelatus* (Contu) Migl. & A. Gennari in Gennari & Migliozi in Riv. Micol. 41: 293. ('1998') 1999. Italy.
- Lepiota erythrella* subsp. *rimulosa* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 93. ('1898') 1899 (Fungi Arg. novi v. crit.); *Lepiota erythrella* var. *rimulosa* (Speg.) Rick in Broteria, Bot. 6: 68. 1907. Argentina.
[see also under *Lepiota rickiana*]
- Schulzeria rimulosa* Schulzer & Bres. in Bres., Nuov. Gen. Imenom.: 7. 1886.
[type species of the genus *Schulzeria* Bres.]
- Lepiota rhacodes* f. *riograndensis* Rick in Lilloa 1: 319. 1937. Brazil.
- Lepiota locquinii* f. *riousettae* Bon in Doc. mycol. 16 (61): 46. 1985; *Lepiota locquinii* var. *riousettae* (Bon) Bon in Doc. mycol. 22 (85): 66. 1992 (basionym not mentioned; nom. inval., Art. 33.3). France.
- Leucoagaricus cinerascens* var. *riparius* Bon in Agarica 6 (12): 284. 1985. Norway.
- Leucocoprinus rivulosus* Raithelh. in Metrodiana 13: 37. 1987, nom. nov. for *Lepiota sordescens* s. Rick, 1961 (not valid, no Latin diagn.).
- Schulzeria robusta* Beeli in Bull. Soc. roy. bot. Belgique 60: 75. 1927; *Termitomyces robustus* (Beeli) R. Heim in Bull. Jard. bot. État 21: 210. 1951.
[in *Lyophyllaceae*]
- Lepiota felina* f. *robusta* ???
[not as entry in Index Fungorum, Feb. 2005]
- Agaricus bitorquis* var. *robynsianus* (Heinemann) Boisselet & Courtec. in Courtec. in Doc. mycol. 34 (135-136): 48. 2008; *Agaricus robynsonianus* Heinem. in Bull. Jard. bot. État Bruxelles 27: 450. 1957. {**Agaricus**}
- Lepiota rocabrunae* Cons. & Migl. in Revista Catalana di Micologia 24: 229. 2002, nom. nov. for *Agaricus clypeolaris* var. *pratensis* Fr., Epicrisis: 15. 1838; *Lepiota pratensis* (Fr.) Bigeard & H. Guill., 1909, non *Lepiota pratensis* Speg., 1898.
- Lepiota kuehneri* var. *romagnesii* Migl. & Bizzi ad int. in Cons. & Migl. in Boll. Circolo micol. G. Carini 35: 18. 1998. (not valid).
- Agaricus rorulentus* Panizzi in Comm. Soc. critt. ital. 1: 172. 1861; *Lepiota rorulenta* (Panizzi) Barla in Bull. soc. mycol. Fr. 2 (3): 117. 1886; *Lepiota cepistipes* var. *rorulenta* (Panizzi) Rick in Iheringia, Bot. 8: 314. 1961 (not valid, basionym not mentioned); *Leucocoprinus cepistipes* var. *rorulentus* (Panizzi) Babos in Annls hist.-nat. Mus. natn. hung. 72: 87. 1980 (as *Leucocoprinus cepaestipes* var. *rorulentus*).
- Micropsalliota roseipes* Heinem. in Bull. Jard. bot. nat. Belg. 50: 65. 1980. {**Agaricus**}
- Lepiota josserandii* var. *rosabrunnea* Raithelh. in Metrodiana 16: 42. 1988; *Leucoagaricus rosabrunneus* (Raithelh.) Raithelh. in Metrodiana 17: 75. 1989. Typus no. 45-88 (Killesberg, Stuttgart, BRD) 16.X.1988 in herb. Raithelhuber.
- Cystolepiota rosea* Singer in Beih. Nova Hedwigia 29: 168. 1969. Argentina.
- Lepiota rosea* Rea in Trans. Br. mycol. Soc. 6: 61. ('1917') 1918; *Cystolepiota rosea* (Rea) Bon in Doc. mycol. 6 (24): 43. 1976, non *Cystolepiota rosea* Singer, 1969; *Cystolepiota moelleri* Knudsen in Bot. Tidsskr. 73: 134. 1978, nom. nov.; *Cystolepiota rosella* M.M. Moser, Röhrlinge Blätterpilze, 4. Aufl.: 236. 1978, nom. nov.
- Lepiota clypeolaria* var. *rosea* Gillet, Hyménomycètes: 62. 1974.
- Lepiota roseiceps* Murrill in Lloydia 6: 221. 1943. U.S.A., Florida.

- Lepiota roseicinerea* Murrill, N. Amer. Fl. 10 (1): 46. 1914. U.S.A., NY.
- Limacella roseicrema* Murrill in Mycologia 4: 212. 1912; *Lepiota roseicrema* (Murrill) Murrill in Mycologia 4: 217. 1912. in woods near Seattle, WA. U.S.A., Washington.
[in *Amanitaceae*]
- Lepiota roseifolia* Murrill in Mycologia 4: 235. 1912. U.S.A., California. Type W.A. Murrill & L.R. Abrams 1287, collected in humus in a redwoods forest at La Honda, California, November 25, 1911.
[“Pileus regular, convex to subexpanded, solitary, 4 cm. broad; surface dry, shining, innate-fibrillose, radiate-rimose, smooth and glabrous at the center, castaneous, blackish-tinted when fresh, assuming a more reddish tint after picking; lamellae free, crowded, slightly ventricose, regular, white when fresh, changing to rose-colored on drying or when bruised; spores ellipsoid, smooth, hyaline, 7-8 x 3-3.5 μ ; stipe equal, compressed, very long because buried in leaves, hollow, smooth, glabrous, avellaneous-isabelline, white at the apex, 17 cm. long, 5 mm. thick; annulus superior, slight, fixed, fuliginous.”]
[type study Smith, 1966; Vellinga et al., 2010]
- Lepiota roseifulva* Murrill in Lloydia 9: 319. 1946. U.S.A., Florida.
- Lepiota rosella* Rick in Lilloa 1: 343. 1937. Brazil.
- Cystolepiota rosella* M.M. Moser, Röhrlinge Blätterpilze, 4. Aufl.: 236. 1978, new name for *Lepiota rosea* (superfluous, see under *Cystolepiota moelleri*).
- Leucoagaricus rosemariae* P. Mohr in Boletus 30 (1): 6. 2007 (as *La. rosemariae*). Spain, Canary Islands.
- Lepiota roseoalba* Henn. in Engler bot. Jahrb. 14: 357. 1891; *Leucoagaricus roseoalbus* (Henn.) Heinem. in Bull. Jard. bot. nat. Belg. 43: 9. 1973. Abyssinia.
- Lepiota roseoalba* Pat. in Bull. Mus. natn. Hist. nat., Paris 6: 529. 1924, non *Lepiota roseoalba* Henn., 1891. Type in PC gen. herb.
- Lepiota roseoalba* Beeli in Bull. Soc. roy. Bot. Belg. 59: 109. 1927. p.p., non *Lepiota roseoalba* Henn., 1891.
[see under *Lepiota roseola*]
- Lepiota roseobrunnea* Pat. in Bull. Mus. natn. Hist. nat., Paris 6: 530. 1924. Type in PC gen. herb.
- Leucoagaricus pseudopilatianus* var. *roseodiffractus* Migl. & Resta in Micol. Veget. medit. 15: 129. 2001. Italy. Typus V. Migliozi 36/97.
- Lepiota roseola* (Murrill) Murrill in Mycologia 35: 433. 1943, non *Lepiota roseola* Beeli, 1936; *Limacella roseola* Murrill in Mycologia 35: 426. 1943.
[in *Amanitaceae*]
- Lepiota roseola* Beeli, Fl. Icon. Champ. congo 2: 33. 1936; *Leucoagaricus roseolus* (Beeli) Heinem. in Bull. Jard. bot. nat. Belg. 43: 11. 1973. – *Lepiota roseoalba* Beeli in Bull. Soc. roy. Bot. Belg. 59: 109. 1927. p.p., non *Lepiota roseoalba* Henn., 1891. – *Lepiota pseudoroseola* Dennis in Kew Bull. 7: 476. 1952.
- Lepiota roseolamellata* Dennis in Kew Bull. 7: 466. 1952. Trinidad.
- Lepiota roseolanata* Huijsman in Persoonia 2: 365. 1962; *Leucoagaricus roseolanatus* (Huijsman) Bon in Doc. mycol. 8 (30-31): 71. 1978; *Pulverolepiota roseolanata* (Huijsman) Bon in Doc. mycol. 22 (88): 30. 1993.
- Lepiota roseolescens* A. Pearson & Stephens in A. Pearson in Trans. Br. mycol. Soc. 33: 289. 1950; *Amanita roseolescens* (A. Pearson & Stephens) Bas in Persoonia 5: 374. 1969. Holotype A.A. Pearson 681, K. South Africa, Cape Province, Valkenberg, May 1949. (footballfield).
[type study Bas, 1969; see also Reid & Eicker, 1993; in *Amanitaceae*]

- Lepiota roseolivida* Murrill in Mycologia 4: 234. 1912. U.S.A., California. Type W.A. Murrill 1138; the type of this beautiful species was collected on the ground in Muir Woods, California, November 22, 1911.
[type study Smith, 1966; Vellinga 2007a]
[Murrill (1912): “Pileus convex to expanded, thin, umbonate, gregarious, 2.5-4 cm. broad; surface dry, minutely and densely fibrillose-scaly, rose-lilac, livid in the center, becoming slightly darker on drying; lamellae white, unchanging, free, crowded, narrow; spores ellipsoid smooth, hyaline, 8-9 x 4-5 μ ; stipe slender, tapering upward, subglabrous, white or pallid, changing to lilac on drying, hollow, 7-10 cm. long, 2-5 mm. thick; annulus superior, movable, ample, membranous, lilac-tinted, becoming lilac on drying.”] – *Lepiota marriagei* D.A. Reid in Nova Hedwigia 11, Suppl.: 20. 1966 (Fung. rar. ic. Col. 1); *Leucoagaricus marriagei* (D.A. Reid) Bon in Doc. mycol. 6 (24): 44. 1976. – *Leucoagaricus marriagei* var. *ammovirescens* Bon in Doc. mycol. 22 (88): 31. 1993.
- Lepiota roseopallida* Bon & A. Caball. in Bull. semestriel de la Fédération des Associations mycologiques méditerranéennes 18: 43. 2000. Spain.
- Lepiota roseosquamosa* Beeli in Bull. Soc. roy. bot. Belg. 59: 105. 1927. Congo.
- Lepiota roseotincta* A.H. Sm. in Papers Mich. Acad. Sci. 27: 60. (‘1941’) 1942. U.S.A., MI. Type A.H. Smith 15327, MICH.
[type study Smith, 1966; Vellinga ined.]
[in *Leucoagaricus* sect. *Rubrotincti*]
- Micropsalliota roseovinacea* Pegler in Kew Bull. add. Ser. 9: 457. 1982. {Agaricus}
- Agaricus rotalis* K.R. Peterson, Desjardin & Hemmes in Sydowia 52: 244. 2000. U.S.A. Hawai’i. {Agaricus}
- Lepiota rubella* Bres. in Henn. in Verh. bot. Ver. Prov. Brandenb. 31: 149. 1890; *Echinoderma rubellum* (Bres.) Migl. in Parliamento di Funghi: 4. 2000. – *Lepiota bettinae* Dörfelt in Z. Mykol. 48: 246. 1982; *Echinoderma bettinae* (Dörfelt) Bon in Doc. mycol. 22 (88): 28. 1993.
[type studies Vellinga et al., 1998]
- Lepiota rubens* Kühner & Maire in Bull. Soc. Hist. nat. Afrique Nord 28: 109. 1938. Algeria.
- Lepiota rubescens* Velen., České Houby: 207. 1920; *Lepiotohyllum rubescens* (Velen.) Locq. in Bull. mens. Soc. linn. Lyon 11: 40. 1942 (nom. inval.).
- Lepiota rubescens* Beeli in Bull. Soc. roy. bot. Belg. 64: 214. 1932, non *Lepiota rubescens* Velen., 1920. Congo.
- Termiticola rubescens* E. Horak in Beih. Sydowia 8: 207. 1979. PNG. {Agaricus ?}
- Xanthagaricus rubescens* (Heinem. & Little Flower) Little Flower, Hosag. & T.K. Abraham in New Botanist 24: 99. 1997; *Hymenagaricus rubescens* Heinem. & Little Flower in Bulletin du Jardin Botanique National de Belgique 54(1-2): 176. 1984. {Agaricus}
- Lepiota excoriata* var. *rubescens* L.M. Dufour in Rev. gén. Bot. 25: 498. 1913; *Leucocoprinus excoriatus* subsp. *rubescens* (L.M. Dufour) Locq. in Bull. mens. Soc. linn. Lyon 14: 44. 1945; *Macrolepiota excoriata* var. *rubescens* (L.M. Dufour) Bon in Doc. mycol. 11 (43): 70. 1981; *Leucocoprinus rubescens* (L.M. Dufour) Locq. in Bull. mens. Soc. linn. Lyon 12: 42. 1943; *Macrolepiota rubescens* (L.M. Dufour) Pázmány in Z. Mykol. 51: 57. 1985. Madagascar.
- Lepiota rubrosquamosa* f. *rubescens* Rick in Lilloa 1: 327. 1937. Brazil.
- Lepiota sulphureosquamulosa* var. *rubescens* Rick in Broteria, Bot. 18: 50. 1920. Brazil.
- Lepiota rubida* Kauffman in Papers Michigan Academy of Science, Arts and Letters 4: 320. 1924 (based on ‘*Lepiota delicata* var. Kauffm.’ in Publ. Mich. geol. biol. Survey Biol.

- Ser. 5, 26: 63. 1918 (The Agaricaceae of Michigan 1). U.S.A.
 [in the 1924 paper there is no description, only a mention in the key; type in MICH]
 [type studies Smith, 1966; Vellinga ined.]
 [in *Leucoagaricus* sect. *Rubrotincti*]
- Lepiota tomentella* f. *rubidella* Bon in Doc. mycol. 22 (88): 28. 1993. Holotypus no. 801016 in herb. Bon.
- Lepiota rubiginosa* Pegler in Kew Bull. add. Ser. 6: 368. 1977. Uganda.
- Cystolepiota rubra* Singer in Singer & Digilio in Lilloa 25: 282-283. ('1951') 1952. Typus, Argentina, prov. Tucumán, Sierra de San Javier, 30-III-1951, R. Singer T. 1455 (LIL).
- Agaricus rubricatus* Berk. & Broome in J. linn. Soc., Bot. 11: 497. 1871, non *Agaricus* (*Naucoria*) *rubricatus* Berk. & Broome in Ann. Mag. nat. Hist., Ser. V, 7: 127. 1881; *Lepiota rubricata* (Berk. & Broome) Sacc., Syll. Fung. 5: 58. 1887. Sri Lanka.
 [synonym of *Leucocoprinus zeylanicus*]
- Lepiota rubriceps* Murrill in Bull. Torrey bot. Cl. 66: 153. 1939. U.S.A., Florida.
- Agaricus rubriceps* Cooke & Masee in Grevillea 15: 65. 1887; *Chitonia rubriceps* (Cooke & Masee) Sacc., Syll. Fung. 5: 992. 1887; *Clarkeinda rubriceps* (Cooke & Masee) Kuntze, Rev. Gen. Pl. 2: 848. 1891; *Macrometrula rubriceps* (Cooke & Masee) Donk & Singer in Mycologia 40: 264. 1948.
 [in *Psathyrellaceae*]
- Lepiota rubrobrunnea* Gubitz in Z. Mykol. 74: 141. 2008. Hothouse Germany, type in M.
 [close to *L. subincarnata*]
- Micropsalliota rubrobrunnescens* R.L. Zhao, Desjardin, K. Soyton & K.D. Hyde in Fungal Diversity 45: 70. 2010. Thailand. {**Agaricus**}
- Leucoagaricus rubroconfusus* Migl. & Coccia in Micol. ital. 23 (2): 79. 1994. in plant pot amongst *Araceae* and roots of *Phoenix canariensis*. Italy, holotype herb. Migliozi 29/92.
- Lepiota rubrosquamosa* Rick in Broteria, Bot. 18: 50. 1920; *Leucoagaricus rubrosquamosus* (Rick) Singer in Lilloa 22: 422. ('1949') 1951; *Leucocoprinus rubrosquamosus* (Rick) Raithel., Flora Mycologica Argentina, Hongos III (Stuttgart): 176. 1991. Brazil.
 [type study Franco-Molano, 1995; in Singer's interpretation a synonym of *Rugosospora pseudorubiginosa*]
- Lepiota rubrostraminea* Rick in Lilloa 1: 343. 1937. Brazil.
- Lepiota rubrotincta* (Peck →) Peck in Ann. Rep. N.Y. St. Mus. nat. Hist. 44: 179. 1892 (report over 1890); *Agaricus rubrotinctus* Peck in Ann. Rep. N.Y. St. Mus. nat. Hist. 35: 155. 1884, non *Agaricus rubrotinctus* Berk. & M.A. Curtis in J. linn. Soc., Bot. 10: 284. 1869; *Leucoagaricus rubrotinctus* (Peck) Singer in Sydowia 2: 36. 1948. thin woods and open places. July-September, Helderberg mountains and East Worcester.
 [Peck 1884: 155: "Pileus thin, convex or nearly plane, sometimes slightly and broadly umbonate, at first even with a reddish or pinkish surface, a little darker and sometimes slightly rough on the disk, then adorned with appressed scales formed by the breaking up of the cuticle; lamellae close, free, white or whitish; stem hollow, equal or slightly thickened at the base, smooth or slightly silky-fibrillose below the annulus, whitish, the annulus well developed, membranous, white or pinkish, persistent; spores subelliptical, uninucleate, .00035' - .00045' long, .0002'-.00025' broad. Plant 1.5'-3.5' high; pileus 1'-2.5- broad; stem 2''-3'' thick"]
- Lepiota rubrotinctoides* Murrill in Mycologia 4: 236. 1912. U.S.A., Washington. Type W.A. Murrill 286, collected on the ground in woods near Seattle, Washington, October 20-November 1, 1911.
 [type study Smith, 1966]

- [Murrill 1912: 236: “Pileus convex to nearly plane, often umbonate, sometimes depressed in old plants, solitary or gregarious, 4-7 cm. broad; surface dry, subglabrous, white with rosy tints to red or purplish, the center always darker, varying from pink or red to dark purple or blackish, cuticle even and unbroken when young, splitting radially, especially on the margin, as the pileus expands; context thin, white, drying soft and flexible; lamellae free, narrow, close, plane, white, the edges minutely serrulate; spores subovoid, smooth, hyaline, with a large clear nucleus, 7 x 3.5 μ ; stipe long and slender, equal or slightly tapering upward, hollow, glabrous or somewhat fibrillose, white, 10-15 x 0.5-1 cm.; annulus superior, fixed, membranous, ample, white, persistent.”]
- Lepiota rufescens* Morgan in J. Mycol. 12: 246. 1906. U.S.A., Ohio.
[type study Smith, 1966.]
- Agaricus granulatus* var. *rufescens* Berk. & Broome in Ann. Mag. nat. Hist. 5, Ser. VII: 124. 1881 (Notic. Brit. Fungi 1834); *Lepiota granulosa* var. *rufescens* (Berk. & Broome) Sacc., Syll. Fung. 5: 47. 1887; *Lepiota rufescens* (Berk. & Broome) J.E. Lange in Dansk bot. Ark. 9(6): 65. 1938, non *Lepiota rufescens* Morgan, 1906; *Lepiota langei* Locq. in Bull. mens. Soc. linn. Lyon 14: 87. 1945, non *Lepiota. langei* Knudsen, 1981.
[synonym of *Cystolepiota hetieri*]
- Lepiota rufidula* Bres. in Atti R. Acc. Sc. Lett. Arti degli Agiati in Roverodo 8: 129. 1902. Portugal.
[according to Migliozi & Zecchin, 2000, this is *Lepiota castanea* sensu most authors, and *Lepiota ignipes* is a synonym]
- Hymenagaricus ardosiaecolor* var. *rufidulus* Heinem. in Bulletin du Jardin Botanique National de Belgique 55(3-4): 493. 1985. Zaïre. Type in BR. {Agaricus}
- Lepiota rufipes* f. *rufipes* Morgan in J. Mycol. 12: 156. 1906. U.S.A., Ohio. – *Lepiota rufipes* f. *phaeophylla* Bon in Bon & G. Rioussat in Doc. mycol. 22 (85): 69. 1992.
[Morgan, 1906: “Pileus a little fleshy, convex, smooth and glabrous, white. Stipe slender, smooth and glabrous, rufescent, paler at the summit; the annulus evanescent. Lamellae broad, close, white, free, approximate; spores oblong, 4-5 x 3 μ . Growing on the ground in woods among old leaves; Preston, O. Pileus about a centimeter in diameter, the stipe 2-3 cm. long.”]
[type study Vellinga, 2010; the European interpretation is in need of a new name]
- Lepiota rufogranulata* Henn. in Hedwigia 36: 209. 1897. Brazil.
- Hymenagaricus rufomarginatus* D.A. Reid & Eicker in S. African J. Bot. 64 (6): 357. 1998. Holotype PRU (as ‘PRUM’) 4207. On ground under indigenous trees, among grasses: Cape Province, South Africa. {Agaricus}
- Leucoagaricus rufosquamulosus* T.K.A. Kumar & Manim. in Mycotaxon 108: 393. 2009. India, Kerala State. MycoBank MB512336.
- Agaricus rufotegulis* Nauta in Persoonia 17: 230. 1999. The Netherlands. Type in L. {Agaricus}
[synonym of *Agaricus subrufescens*, see Kerrigan, 2005]
- Lepiota rufovelutina* Velen., České Houby: 217. 1920.
- Lepiota rugosoreticulata* Lorinser in Öst. bot. Zeitschr. 29(1): 22. 1879; *Cystoderma rugosoreticulatum* (Lorinser) Wasser in Ukr. bot. Zh. 35(5): 516. 1978. Austria.
[not in *Agaricaceae*]
- Leucoagaricus pseudopilatianus* var. *rugosoreticulatus* Migl. & Resta in Micol. Veget. mediterr. 15: 129. 2001. Italy. Typus V. Migliozi 41/96.
- Lepiota rugulosa* Peck in Bull. Torrey bot. Cl. 27: 15. 1900. U.S.A., Washington, D.C.
- Endolepiotula ruizlealii* Singer in Sydowia 16: 261. (‘1962’) 1963. Argentina.
- Lepiota rupta* Rick in Lilloa 1: 342. 1937. Brazil.

Agaricus russoceps Berk. & Broome in J. linn. Soc., Bot. 11: 508. 1871; *Lepiota russoceps* (Berk. & Broome) Sacc., Syll. Fung. 5: 63. 1887; *Leucocoprinus russoceps* (Berk. & Broome) Raithelh. in Metrodiana 13: 37. 1987. Sri Lanka. Neotypus nr 17173 in herb. Anchieta.
[according to Pegler (1986) synonym of *Lepiota pyrhaes*]

- Lepiota saatiensis* Henn. in Engler bot. Jahrb. 14: 357. 1891. Abyssinia.
- Lepiota pseudohelveola* var. *sabulosa* Bon in Doc. mycol. 17 (67): 8. 1987. France.
- Cystolepiota sacchariolens* U. Nonis in Micol. ital. 12 (1): 36. 1983. Italy.
- Leucoagaricus salmoneophyllus* Bon & Guinb. in Bon in Doc. mycol. 22 (88): 31. 1993.
 Holotypus no. 89-234 (leg Réaudin 89-L-06) in herb. (Bon); *Leucoagaricus pilatianus*
 var. *salmoneophyllus* (Bon & Guinb.) Migl. & A. Gennari in Gennari & Migliozzi in Riv.
 Micol. 41: 293. ('1998') 1999.
 [Bon 1993: "Pileus 4-5 cm, convexo-mammosus, tomentosolanus vel subsquamulosus,
 praecipue discum versus; brunneo-roseus vel cupreo-incarnatus, postremo brunneo-
 cacainus, in disco obscurior. Lamellae +/- collariatae, subconfertae, in juventute cremeo-
 luteolae dein roseo-salmoneae, acie fimbriata, aetate brunneo-punctata. Stipe 5-7(8) x
 0,4-0,8(1) cm, subclavatus vel bulbillosus, sursum albus, in medio +/- obscure brunneus,
 annulo adscendente, striato vel brunneo-marginato. Caro albida, in stipite brunnescens;
 odore subterreo vel cedriolente, sapore herbaceo-resinaceo. NH₃-ope leviter vel tarde
 virescente. Sporae 6-8,5 x 3,5-5 µm subovoideae, endosporio metachromatico.
 Cheilocystidia clavata, raro submucronata, 40-50 x 10-15 µm interne saepe +/- brunneo-
 punctata. Epicutis pilis +/- fusiformibus, usque ad 250 (300) x 10-15 (25) µm, pigmento
 vacuolari. Fibulae absunt. In locis frondosis nitrophilis, alluvionibus vel herbaceis
 rudibus. Holotypus No. 89-234 (leg. Réaudin 89-L-06) in herb. M. Bon, Fac. Pharma. -
 Lille conserv. "] France.
- Leucocoprinus birnbaumii* var. *salvadorianus* Raithelh. in Metrodiana 15 (1): 8. 1987. Typus no
 20397 in herb. Anchietao (Rick). Sao Salvador 1944.
- Lepiota sanguiflua* Murrill in Q. Jl Fla Acad. Sci. 8: 179. 1945. U.S.A. W.A. Murrill F 18289 in
 rich soil under a live oak in Gainesville, Florida. FLAS.
- Lepiota sanguinea* Beeli in Bull. Soc. roy. bot. Belg. 64: 215. 1932; *Leucoagaricus sanguineus*
 (Beeli) Heinem. in Bull. Jard. bot. nat. Belg. 43: 11. 1973. Congo.
- Lepiota sanguinea* A.V. Sathe & S. Deshpande in Maharashtra Association for the Cultivation of
 Science, Monogr. no. 1. Agaricales (Mushrooms) of South-West India (Pune): 25.
 ('1980') 1981, non *Lepiota sanguinea* Beeli, 1932. India.
- Lepiota rufovelutina* var. *sanguinescens* Pilát in Acta Mus. nat. Prag. 11B, no. 2: 16. 1955.
 Czechoslovakia.
- Lepiota santacruzensis* A.B. Pereira in Iheringia, Bot. 51: 239. 1998. Brazil.
- Lepiota saponella* Bodin & Priou in Doc. mycol. 23 (92): 62. 1994. France.
- Notholepiota sardoa* Padovan & Contu in Boll. Gruppo micol. G. Bresadola, n.S., 44 (2): 35.
 2001; *Lepiota sardoa* (Padovan & Contu) Vila & Castellón in Cryptog. Mycol. 24: 304.
 ('2003') 2004. Italy.
- Leucoagaricus sardous* (Zecchin & Migl.) Cons. & Contu in Micol. Veget. medit. 19 (1): 71.
 2004; *Sericeomyces sardous* Zecchin & Migl. in Micol. ital. 27 (2): 39. 1998. Holotype
 "prope Sierra Orrios (NU) lectus 29/X/1990, in herbario MCVE conservatur, n. 672".
 Italy.
- Lepiota scaberula* Vellinga in Mycotaxon 80: 290. 2001. U.S.A., California, SF-Watershed.
- Lepiota scabrivelata* Murrill in N. Amer. Fl. 10 (1): 62. 1914. U.S.A., Louisiana.
 [type study Smith, 1966]
- Lepiota schimperi* Pat. in Rev. mycol. 13: 135. 1891. Abyssinia.
 [no type material in FH]
- Agaricus schulzeri* Kalchbr., Ic. sel. Hymenomyc. Hung.: t.2.f.2. 1873; *Lepiota schulzeri*
 (Kalchbr.) Sacc., Syll. Fung. 5: 41. 1887. Hungary.

- Lepiota schweinfurthii* Henn. in Engler bot. Jahrb. 17: 36. 1893; *Lepiota cepistipes* var. *schweinfurthii* (Henn.) Rick in Iheringia, Bot. 8: 314. 1961 (not valid, basionym not cited; as *L. cepaestipes* var. *schweinfurthii*). Abyssinia, Col. Eritrea bei Saati, leg. G. Schweinfurth, 14 Febr. 1892.
- Lepiota scobinella* (Fr.) Gillet, Hyménomycètes: 69. 1874; *Agaricus (Amanita) scobinellus* Fr., Epicr.: 11. 1838; *Amanita scobinella* (Fr.) Sacc., Syll. Fung. 5: 20. 1887 (or possibly by Quél., Enchiridion Fung.: 4. 1886).
[Fries, 1838:11. 24. “*A. scobinellus*, pileo convexo-plano, pellicula in squamulas verrucosas minutas obscuriores secedente, versus marginem laevem sericeo, carne alba, stipite farcto conico-attenuato glabro, basi albo-squamuloso, annulo supero lamellisque liberis ventricosus candidis. Locis graminosis in pinetis raro. Minime *Lepiota*, licet velum verrucas in pileo non formet; quae adsunt a pilei fuscescentis epidermide formatae ut in *A. irrorata* Secr. (minime Schum.) n. 14., quae h. I. videtur. Odor vix ullus.”]
- Lepiota medullata* var. *secretanii* C. Martín in Bull. Trav. Soc. bot. Genève 9: 66. 1899.
[probably synonymous with *Chamaemyces fracidus*]
- Lepiota selinolens* Redeuilh & Guinb. in Bon in Fl. mycol. eur. 3: 68. 1993. (nom. inval. art. 36.1; 37.4, ‘ad int.’) Type herb. Redeuilh 86117. France.
- Cystolepiota seminuda* (Lasch) Bon in Doc. mycol. 6 (24): 43. 1976; *Agaricus seminudus* Lasch in Linnaea 3: 157. 1828; *Lepiota seminuda* (Lasch) P. Kumm., Führ. Pilzk.: 136. 1871; *Cystoderma seminudum* (Lasch) Fayod in Anns Sci. nat., Bot. Sér. VII, Bot., 9: 351. 1889; *Lepiota sistrata* var. *seminuda* (Lasch) Quél. in Mém. Soc. Émul. Montbéliard, Sér. II, 5: 231. 1872 (Champ. Jura Vosges 1). – *Lepiota sororia* Huijsman in Persoonia 1: 326. 1960; *Cystolepiota sororia* (Huijsman) Singer in Beih. Sydowia 7: 67. 1973; *Cystolepiota seminuda* var. *sororia* (Huijsman) Gminder in Krieglsteiner (ed.) Die Großpilze Baden-Württembergs 4. Ständerpilze: Blätterpilze II: 443. 2003. – *Lepiota seminuda* f. *minima* J.E. Lange, Fl. agar. dan. 1: 36. 1935 (not valid, no Latin diagn.); *Lepiota sistrata* f. *minima* (J.E. Lange) Babos in Anns hist.-nat. Mus. natn. hung. 50: 91. 1958.
- Lepiota semivestita* Masee in Kew Bull. 1914: 357. 1914. Singapore.
- Lepiota septata* A.B. Pereira in Iheringia, Bot. 51: 241. 1998. Brazil.
- Schulzeria septentrionalis* P. Karst. in Hedwigia 35: 43. 1896. Finland.
[Karsten, 1896: 43: “*Pileus carnosus, mollis, e convexo explanatus, subumbonatus, laevis, glaber, siccus, albidus, circiter 10 cm latus. Stipes centralis, aequalis, basi bulbillosus, a pileo discretus, glaber, albidus, circiter 15 cm altus. Lamellae subconfertae, liberae, remotae, latae, albidae. Ad lignum vetustum in regione Jyväskyläni, Haapakoski, legit amicus I. Lindroth.”]*
- Lepiota cystophoroides* var. *septentrionalis* Bon in Bon & Haluwijn in Doc. mycol. 13 (49): 52. 1983 (not valid, ad interim); *Lepiota cystophoroides* var. *septentrionalis* Bon in Bon & Haluwijn in Doc. mycol. 13 (50): 41. 1983. France.
- Leucoagaricus melanotrichus* var. *septentrionalis* D.A. Reid in Mycotaxon 53: 331. 1995. Type GB, Cambs., Middle Covert, Hom Fen National Nature Reserve, 14-X-1990, S. Wells (K).
- Lepiota sequoiarum* Murrill in Mycologia 4: 233. 1912. U.S.A. Type W.A. Murrill 1143, collected on the ground in Muir Woods, California, November 22, 1911. U.S.A., California.
[type study Smith, 1966.]
[Murrill, 1912: 233: “*Pileus thin, convex to nearly plane, umbonate, gregarious, 2-4 cm. broad; surface dry, finely imbricate-fibrillose-scaly, white, the center more densely*”]

- fibrillose and tinted with isabelline, the remainder of the surface being at time tinted with the same color in the scales; context loosely woven, thin, white; lamellae white, free, close, narrow; spores ovoid to ellipsoid, smooth, hyaline 7-9 x 3.5-4 μ ; stipe tapering upward, long, slender, white, smooth, glabrous, hollow, reaching 10 cm. long and 5 mm. thick; annulus superior, white, not fixed but collapsed on the stipe, persistent.”]
- Lepiota serenula* P. Karst., Fungi nov. Loennb. (Finska vetensk. Soc.) in Öfversigt af Finska Vetenskaps-Societetens Förhandlingar XLVI n° 11: 7. 1904. Finland.
- Agaricus serenus* Fr., Hymenomyc. eur.: 38. 1874; *Lepiota serena* (Fr.) Quélet in Bull. Soc. bot. France 26: 45. 1880; *Pseudobaeospora serena* (Fr.) Locq. in Bull. trimest. Soc. mycol. Fr. 68: 169. 1952; *Leucoagaricus serenus* (Fr.) Bon & Boiffard in Bull. trimest. Soc. mycol. Fr. 90: 301. 1974; *Sericeomyces serenus* (Fr.) Heinem. in Bull. Jard. bot. nat. Belg. 48: 403. 1978.
- Lepiota sericata* Kühner & Romagn., Fl. anal. Champ. sup.: 405. 1953, nom. nov. for *Lepiota sericea* (Cool) Huijsman; *Sericeomyces sericatus* (Kühner & Romagn.) Heinem. in Bull. Jard. nat. bot. Belg. 48: 404. 1978.
- Lepiota sericatella* Malençon in Malençon & Bertault, Fl. Champ. sup. Maroc 1: 152. 1970; *Sericeomyces sericatus* var. *sericatellus* (Malençon) Heinem. in Bull. Jard. nat. bot. Belg. 48: 404. 1978; *Leucoagaricus sericatellus* (Malençon) Bon in Doc. mycol. 9 (35): 40. 1979; *Sericeomyces sericatellus* (Malençon) Bon in Bull. trimest. Soc. mycol. Fr. 96: 172. 1980; *Sericeomyces sericatellus* (Malençon & Bertault) Bon in Doc. mycol. 19 (75): 58. 1989 (with additional remark: 'non valide in Moser et Jülich: Atlas 111'); *Leucoagaricus sericifer* f. *sericatellus* (Malençon) Vellinga in Persoonia 17: 479. 2000.
- Lepiota sericea* Masee in Bull. bot. Gdn Kew 1912: 254. 1912. India.
- Lepiota cristata* var. *sericea* Cool in Meded. Ned. mycol. Vereen. 12: 23. 1922; *Lepiota sericea* (Cool) Huijsman in Meded. Ned. mycol. Vereen. 28: 46. 1943, non *Lepiota sericea* Masee. 1912; *Leucoagaricus sericeus* (Cool) Bon & Boiffard in Bon in Doc. mycol. 9 (35): 40. 1979; *Sericeomyces sericeus* (Cool) Contu in Cryptog., Mycol. 12: 6. 1991; *Pseudobaeospora sericifera* Locq. in Bull. trimest. Soc. mycol. Fr. 68: 169. 1952 (nom. nov.); nom. nov.: *Lepiota sericata* Kühner & Romagn., 1953 (nom. nov.).
- Pseudobaeospora sericifera* Locq. in Bull. trimest. Soc. mycol. Fr. 68: 169. 1952, nom. nov. for *Lepiota sericea* (Cool) Huijsman; *Lepiota sericifera* (Locq.) Locq. in Friesia 5: 294. 1956; *Sericeomyces sericifer* (Locq.) Døssing in Knudsen & Hansen in Nordic J. Bot. 11: 481. 1991; *Leucoagaricus sericifer* (Locq.) Vellinga in Persoonia 17: 477. 2000.
- Lepiota citrinella* var. *serrata* Rick in Lilloa 1: 342. 1937. Brazil.
- Lepiota serrulata* Rick in Broteria, Ser. bot., 24: 98. 1930. Brazil.
- Lepiota setulosa* J.E. Lange, Fl. agar. dan. 1: 34. 1935 (no Latin diagn.); *Lepiota setulosa* J.E. Lange, Fl. agar. dan. 5: V. 1940. nom. nov. for *Lepiota minuta* J.E. Lange, non *Lepiota minuta* Voglino. Denmark.
- Lepiota severiana* Tiberi in Boll. Assoc. micol. ecol. Romana 15 (47): 18. ('1999') 2000. Italy.
- Agaricus shaferi* Murrill in Mycologia 10: 81. 1918. Cuba. {Agaricus}
- Lepiota shiitake* (J. Schröt.) Tanaka in Bot. Mag., Tokyo 3: 159. 1889; *Collybia shiitake* J. Schröt. in Gartenflora 35: 105. 1886; *Cortinellus shiitake* (J. Schröt.) Henn. in Notizblatt des Königl. bot. Gartens u. Museum zu Berlin. 1899; *Tricholoma shiitake* (J. Schröt.) Lloyd, Mycol. Writ. 5 (Letter 67). 1918; *Lentinus shiitake* (J. Schröt.) Singer in Anns mycol. 34: 332. 1934.
- [Tanaka indeed described the species in *Lepiota* – I had some doubts whether the ‘o’ was a scanning mistake and had to be replaced by an ‘s’ –, he discusses the position of the

- species, and his conclusion is that the genus *Lepiota* is the best place for it]
[synonym of *Lentinula edodes* (Berk.) Pegler in *Omphalotaceae*]
- Chlorophyllum shimogaense* A.V. Sathe & S.M. Kulkarni, Maharashtra Association for the Cultivation of Science, Monograph No. 1 Agaricales (Mushrooms) of South West India (Pune): 49. ('1980') 1981. Karnataka, India.
- Lepiota shixingensis* Z.S. Bi & T.H. Li in Bi, Zheng & Li, Macrofungus flora of the mountainous district of North Guangdong: 240. 1990, nom. nov. for *Lepiota australis* Z.S. Bi, 1987. China.
[type study Wang & Yang, 2005]
- Lepiota shveta* T.K.A. Kumar & Manim. in Mycotaxon 107: 130. 2009. India, Kerala State.
- Lepiota sierraleonis* (Beeli) Locq. in Bull. trimest. Soc. mycol. Fr. 67: 379. 1951; *Schulzeria sierraleonis* Beeli in Bull. Jard. bot. Brux. 15: 30. 1938. Sierra Leone.
[It is not quite clear to me whether the combination made by Locquin is valid; it is in a list of species described in the genus *Lepiota* sensu lato, and genus names are not listed at all]
- Lepiota silvae-araucariae* de Meijer, Notable macrofungi from Brazil's Paraná pine forests: 283. ('2008') 2009. Brazil.
- Lepiota alba* f. *silvatica* Bon in Doc. mycol. 22 (88): 28. 1993. Holotypus no. 90841 in herb. Bon.
- Leucoagaricus singeri* (Bon ex Contu & Signor.) Consiglio & Contu in Micol. Veget. Medit. 19 (1): 68. 2004; *Sericeomyces singeri* Bon in Fl. mycol. eur. 3: 86. 1993 (nom. inval., art 36 ICBN); *Sericeomyces singeri* Bon ex Contu & Signor. in Signor. & Contu in Micol. Veget. medit. 13: 64. 1998. Typus: Italia, Sicilia, prov. Siracusa, Porto Palo, isola di Capo Passero, 13.XII.1997, P. Signorello & M. Contu (IB).
- Leucoagaricus sinicus* (J. Z. Ying) Zhu L. Yang in Mycotaxon 100: 283. 2007 (Mycobank 510605); *Chamaeota sinica* J. Z. Ying in Mycotaxon 54: 303, figs.1-8. 1995. China.
[type study Yang 2007]
- Lepiota sinopica* Romagn. in Kühner & Romagn., Fl. anal. Champ. sup.: 397. 1953 (not valid); *Lepiota sinopica* Romagn. in Kühner & Romagn. in Bull. Soc. Nat. Oyonnax 10-11: 4. 1957 (Compl. Fl. anal. 7); *Cystolepiota sinopica* (Romagn.) Bon in Doc. mycol. 11 (43): 28. 1981; *Echinoderma sinopicum* (Romagn.) Bon in Doc. mycol. 21 (82): 63. 1991. France.
- Lepiota sipariana* Dennis in Kew Bull. 7: 488. 1953; *Cystoderma siparianum* (Dennis) Thoen in Bull. Jard. bot. nat. Belg. 39: 190. 1969; *Ripartitella sipariana* (Dennis) Dennis in Kew Bull. add. Ser. 3: 58. 1970; *Cystodermella sipariana* (Dennis) Harmaja in Karstenia 42: 46. 2002. Martinique.
[not in *Agaricaceae*]
- Agaricus sistratus* Fr. : Fr., Syst. mycol. 1: 24. 1821; *Lepiota sistrata* (Fr. : Fr.) Quél., Champ. Jura Vosges 1: 231. 1872; *Fusispora sistrata* (Fr. : Fr.) Fayod in Annls Sci. nat., Bot. Sér. VII, Bot., 9: 351. 1889; *Cystolepiota sistrata* (Fr. : Fr.) Singer ex Bon & Bellù in Bon in Doc. mycol. 15 (59): 51. 1985.
[Nomen dubium]
- Lepiota sladkyi* Velen., České Houby: 215. 1920.
- Agaricus smithii* Kerrigan in Mycotaxon 22: 428. 1985, non *Agaricus smithii* Klotzsch. U.S.A., California. {*Agaricus*}
- Agaricus (Lepiota) sociabilis* Britzelm. in Ber. naturhist. Ver. Augsburg 28: 146. 1885.
[also as *A. sociabilis* Britzelm. in Bot. Centr.Brl. 73: 132. 1898.]

- Lepiota solaris* R. Chalange in Bull. trimest. Soc. mycol. Fr. 120: 378. '2004' 2005. France. Holotypus RC 01092101 in PC.
- Lepiota solidipes* Peck in Ann. Rep. N.Y. St. Mus. nat. Hist. 52: 647. 1899 (the report is on 1898) (damp or swampy ground, Woodlawn park, Saratoga. October, F.G. Howland). U.S.A., New York.
[Peck, 1899: "Pileus fleshy, very convex or subhemispheric, becoming broadly convex or nearly plane, white, sometimes with a slight pinkish tint, flesh white, taste and odor farinaceous; lamellae thin, close, free, white; stem equal or somewhat bulbous, silky-fibrillose, solid, white or whitish, the thin annulus slightly floccose externally, subevanescent; spores globose or subglobose, 00016 to .002 inch broad. Pileus 2 to 4 in. broad; stem 2 to 4 in. long, 4 to 6 lines thick."]
- Agaricus sordescens* Berk. & M.A. Curtis in J. linn. Soc., Bot. 10: 283. 1869; *Lepiota sordescens* (Berk. & M.A. Curtis) Sacc., Syll. Fung. 5: 60. 1887; *Lepiota cepistipes* var. *sordescens* (Berk. & M.A. Curtis) Rick in Iheringia, Bot. 8: 314. 1961 (not valid, basionym not cited; as *L. cepaestipes* var. *sordescens*). Cuba.
[see also *Lepiota rivulosus* = *Lepiota sordescens* sensu Rick, 1961]
[type study Dennis, 1952; Pegler, 1987a]
- Lepiota sordida* Rick in Lilloa 1: 329. 1937.
- Lepiota sororia* Huijsman in Persoonia 1: 326. 1960; *Cystolepiota sororia* (Huijsman) Singer in Beih. Sydowia 7: 67. 1973; *Cystolepiota seminuda* var. *sororia* (Huijsman) Gminder in Kriegsteiner (ed.) Die Großpilze Baden-Württembergs 4. Ständerpilze: Blätterpilze II: 443. 2003.
[probably a synonym of *C. seminuda*]
- Lepiota spanista* Morgan in J. Mycol. 12: 198. 1906. U.S.A., Ohio.
[type study Smith, 1966]
- Lepiota speciosa* (Trimbach) Trimbach & Augias in Trimbach in Doc. mycol. 18 (72): 50. 1988. France; *Lepiota rhodorhiza* var. *speciosa* Trimbach in Doc. mycol. 5 (20): 45. 1975.
- Lepiota spectabilis* Clem. in Bot. Survey Nebraska Report 3: 12. 1893. U.S.A., Nebraska.
- Agaricus spegazzinianus* Heinem. in Bull. Jard. bot. nat. Belg. 60: 364. 1990. Argentina.
{Agaricus}
- Lepiota spegazzinii* Sacc. & Trotter in Syll. Fung. 21: 21. 1912 (nom. nov. for *Lepiota cinerescens* Spag., 1899, non *Lepiota cinerascens* QuéL., 1893).
- Lepiota sphaerospora* Beeli in Bull. Soc. roy. bot. Belg. 64: 218. 1932. Congo.
- Chlorophyllum sphaerosporum* Z.W. Ge & Zhu L. Yang in Mycotaxon 96: 187. 2006. China.
- Lepiota spheniscispora* Vellinga in Mycotaxon 80: 288. 2001. California, U.S.A.
- Lepiota spiculata* Pegler in Kew Bull. add. Ser. 9: 390. 1983. Martinique.
- Heinemannomyces splendidissimus* Watling in Belg. J. Bot. 131: 135. ('1998') 1999 (as *H. splendidissima*). Malaysia. Holotype Watling 26098 (E). {Agaricus}
- Agaricus spodolepis* Berk. & Broome in J. linn. Soc., Bot. 11: 504. 1871; *Lepiota spodolepis* (Berk. & Broome) Sacc., Syll. Fung. 5: 60. 1887. Type Thwaites 886 (K). Sri Lanka.
[type study Pegler, 1972; synonym of *Lepiota carphophylla*]
- Lepiota spongodes* (Berk. & Broome) Sacc., Syll. Fung. 5: 62. 1887; *Agaricus spongodes* Berk. & Broome in J. linn. Soc., Bot. 11: 506. 1871. Sri Lanka. Holotypus Thwaites 86. – *Agaricus euconiatus* Berk. & Broome in J. linn. Soc., Bot. 11: 507. 1871; *Lepiota euconiata* (Berk. & Broome) Sacc., Syll. Fung. 5: 62. 1887. Holotypus Thwaites 818.
[type study Pegler, 1972; synonyms fide Pegler, 1972]
- Lepiota squamatula* E. Horak in Sydowia 33: 121. ('1980') 1981. Papua New Guinea.
- Schulzeria squamigera* Schulzer & Bres. in Bres., Nuov. Gen. Imenom.: 9. 1886. Slavonia.

- Leucoagaricus squamosus* Heinem. in Bull. Jard. bot. nat. Belg. 43: 11. 1973. Zaïre. Holotype Congo, Panzi (Kivu) XI.1956, M. Goossens-Fontana 5577 (BR)
- Lepiota squamulosa* T. Bau & Li Yu in Journal of Fungal Research 2 (3): 49-50. 2004. China.
- Leucocoprinus squamulosus* (Mont.) Pegler in Kew Bull. add. Ser. 9: 418. 1983; *Hiatula squamulosa* Mont. in Ann. Sci. nat., Bot., Sér. IV, 1: 107. 1854. Guiana.
- Lepiota erythrella* subsp. *squamulosa* Speg. in An. Mus. nac. Buenos Aires, Ser. II, 6: 93. ('1898') 1899. (Fungi Arg. nov. v. crit.) Argentina.
- Lepiota squarrosa* (Weigel : Fr.) Gray, Nat. Arr. Br. Plants 1: 602. 1821; *Agaricus squarrosus* Weigel, Observ. bot.: 40. 1772; *Agaricus squarrosus* Weigel : Fr., Syst. Mycol. 1: 241. 1821; *Dryophila squarrosa* (Weigel : Fr.) Quéll., Enchiridion Fung.: 68. 1886; *Pholiota squarrosa* (Weigel : Fr.) P. Kumm., Führ. Pilzk.: 84. 1871.
[not in *Agaricaceae*]
- Lepiota excoriata* var. *squarrosa* Maire in Mém. Soc. Scienc. Nat. Maroc 45: 101. 1937; (1928: 37); *Macrolepiota excoriata* var. *squarrosa* (Maire) Wasser in Ukr. bot. JI 35: 516. 1978.
- Agaricus osecanus* var. *squarrosipes* (Bon & P. Collin) Nauta in Persoonia 17: 460. 2000; *Agaricus nivescens* var. *squarrosipes* Bon & P. Collin in Bon in Doc. Mycol. 17 (67): 11. 1987. {Agaricus}
- Lepiota stata* (Britzelm.) Sacc. & Traverso, Syll. Fung. 19: 1088. 1910.
- Lepiota steinhausii* Penzige, F. Agrum. ???; *Lepiota steinhausii* (Penzige) Sacc., Syll. Fung. 5: 45. 1887, nom. nov. for *Lepiota citri* Steinhaus, non *Agaricus citri* Inzenga. Poland.
- Lepiota stelligera* Speg. in Bol. Acad. Nac. Cienc. Córdoba 28: 274. 1926. Argentina.
- Agaricus stenophyllus* Cooke & Masee in Grevillea 15: 98. 1887; in Grevillea 21: 35. 1892, non *Agaricus stenophyllus* J. Otto, 1816; nec *Agaricus stenophyllus* Mont., 1854 (= *Gymnopus stenophyllus* (Mont.) J.L. Mata & R.H. Petersen; *Lepiota stenophylla* (Cooke & Masee) Sacc., Syll. Fung. 9: 4. 1891. Australia.
[synonym of *M. dolichaula*]
- Limacella steppicola* Zerova, Atlas Gribov Ukrainy (Atlas of Ukrainian Fungi) (Kiev): 122. 1974 (not valid); *Leucoagaricus steppicola* (Zerova) Wasser in Nov. Sist. vyssh. niz. Rast., 1975: 192. ('1975') 1976 (as 'steppicolus') (not valid); *Limacella steppicola* Zerova & Wasser in Wasser, Ukraïns'kii Botanichnii Zhurnal 45(6): 76. 1988.
- Lepiota stercoraria* Rick in Lilloa 1: 318. 1937; *Macrolepiota stercoraria* (Rick) Raithelh. in Metrodiana 15: 63. 1988. Brazil.
- Agaricus stigmaticus* Courtec. in Doc. mycol. 34 (135-136): 52. 2008, nom. nov. for *Psalliota decorata* F.H. Møller in Friesia 4: 48. 1950. {Agaricus}
[see under 'decorata' for more information]
- Agaricus stijvei* de Meijer, Notable macrofungi from Brazil's Paraná pine forests: 302. ('2008') 2009. Brazil. {Agaricus}
- Lepiota straminea* Rick in Broteria, Ser. bot. 24: 98. 1930; *Lepiota steinhausii* var. *straminea* (Rick) Rick in Lilloa 1: 322. 1937. Brazil.
- Agaricus (Lepiota) straminellus* Baglietto in Comm. Soc. Crit. Ital. 2 (2): 263. 1865; *Leucocoprinus straminellus* (Baglietto) Narducci & Caroti in Atti Soc. Tosc. Sci. Nat. Mem. Serie B, 102: 49-50. 1995. Italy. – *Leucocoprinus denudatus* (Rabenh.) Singer in Lilloa 22: 424. ('1949') 1951; *Agaricus denudatus* Rabenh. in Hedwigia 6: 45. 1867; *Lepiota denudata* (Rabenh.) Sacc., Syll. Fung. 5: 52. 1887. – *Lepiota boudieri* Guég. in Bull. trimest. Soc. mycol. Fr. 24: 131. ('1908') 1909, non *Lepiota boudieri* Bres., 1884; *Lepiota gueguenii* Sacc. & Trott. in Sacc., Syll. Fung. 21: 21. 1912; *Leucocoprinus gueguenii* (Sacc. & Trotter) Locq. in Bull. mens. Soc. linn. Lyon 12: 75. 1943.

- Schulzeria striata* Beeli in Bull. Jard. bot. Brux. 15: 29. 1938; *Termitomyces striatus* (Beeli) R. Heim in Mém. Acad. roy. Sci. Inst. France 64: 47. 1941. Sierra Leone.
[in *Lyophyllaceae*]
- Lepiota exannulata* var. *striata* Velen., České Houby: 215. 1920.
- Leucoagaricus striatulus* Heinem. in Bull. Jard. bot. nat. Belg. 43: 11. 1973. Zaïre. Holotype Congo, Panzi (Kivu) V.1948, M. Goossens-Fontana 5050 (BR)
- Lepiota strobiliformis* Gillet, Hyménomycètes: 68. 1874; *Lepiota friesii* var. *strobiliformis* (Gillet) Gillet, Tabl. anal. Hymén.: 9. 1884.
[probably synonym of *Lepiota aspera*]
- Cystoagaricus strobilomyces* (Murrill) Singer in Mycologia 39: 86. 1947; *Nolanea strobilomyces* Murrill in Florida Acad. Sci. 7: 118 ('1944') 1945.
[in *Psathyrellaceae*; Vellinga 2004]
- Lepiota stuhlmannii* Henn. in Engler bot. Jahrb. 17: 36. 1893 (as *Lepiota stuhlmanni*). C. Africa. 'Seengebiet, bei Bukoba am Victoria-Njansa. F. Stuhlmann, 20 März 1892.'
- Cystolepiota subadulterina* Bon in Doc. mycol. 6 (24): 43. 1976; *Cystolepiota adulterina* var. *subadulterina* (Bon) Bon in Doc. mycol. 22 (88): 27. 1993 (not valid, basionym not mentioned).
[type study see Vellinga & Huijser, 1998; the type collection is a mixed collection with *Cystolepiota adulterina* and *C. hetieri* specimens; as lectotype *C. adulterina* specimens were chosen: synonym of *Cystolepiota adulterina* (F.H. Møller) Bon]
- Hymenagaricus subaeruginosus* (Berk. & Broome) Heinem. & Little Flower in Bulletin du Jardin Botanique National de Belgique 54(1-2): 160. 1984; *Agaricus subaeruginosus* Berk. & Broome in J. linn. Soc., Bot. 11: 554. 1871; *Stropharia subaeruginosa* (Berk. & Broome) Sacc., Syll. Fung. 5: 1013. 1887; *Psalliota subaeruginosa* (Berk. & Broome) Petch in Ann. Roy. Bot. Gard. Peradeniya 4: 56. 1907. Sri Lanka. {**Agaricus**}
- Lepiota subalba* Kühner ex P.D. Orton in Trans. Br. mycol. Soc. 43: 287. 1960; *Lepiota subalba* Kühner in Bull. trimest. Soc. mycol. Fr. 52: 233. 1936 (not valid, without Latin diagn.). Typus Norbury Park, Mickleham, Surrey, UK, 13.X.1950 (K).
[Lange's application of *Lepiota albosericea* Henn., Flora agaricina danica 1: 32. 1935 is this species]
- Micropsalliota subalba* Heinem. & Little Flower in Bull. Jard. bot. nat. Belg. 53: 83. 1983.
{**Agaricus**}
- Micropsalliota subalpina* Guzm.-Dáv. & Heinem. in Bull. Jard. bot. nat. Belg. 63: 195. 1994. Holotype IBUG, Schondube 79; in mesophytic forest; Jalisco, Mexico. {**Agaricus**}
- Lepiota subamanitifformis* S. Imai in J. Fac. Agric. Hokkaido Univ. 43: 38. 1938. Japan.
[Imai, 1938: "Solitaria. Pileo 3.5-5.5 cm. lato, conico-convexo, dein umbonata vel subplano, sicco, radiato-fibrilloso, primo cute testacea continua tecto, dein squamosa, margine subtomentoso; carne alba, tenui, odore saporeque blando; lamellis liberis, albis, subventricosis, confertis, 5 mm. latis; stipite 3.5-5.5 cm. longo, 3-5 mm. crasso, sursum attenuato, basi bulboso, usque ad 1 cm crasso, albo, subpruinoso vel subglabro, cavo; annulo albo, margine incarnato, adhaerente, persistente, tenui, membranaceo, subinferno; sporis in cumulo albis, oblongo-ellipsoideis vel oblongis, levibus, hyalinis, 6-10.5 x 3-5 µ. Hab. On the ground in open woods. Summer to autumn. Ishikari (Sapporo)"]
- Lepiota subamanitifformis* Dennis in Kew Bull. 7: 476. 1952, non *Lepiota subamanitifformis* S. Imai, 1938. Trinidad.
["Pileus 5 cm latus, convexus, pallide brunneus, umbone obscuro, radiato-fibrillosus, glaber; caro crassa alba; lamellae confertae, 5 mm latae, albae, liberae; stipes deorsum incrassatus bubalinus, supra annulum albus, farctus; annulus superus, membranaceus,

- firmus*, *exiguus*, *albus*, *marginatus*, *brunneus*; *spores* ellipticae, 7-8 x 4-5 μ , pseudoamyloideae. Ad ramenta putrida, Sangre Grande, Trinidad, Dennis 155 Typus.”] *Agaricus subantarcticus* Geml, Laursen & D. Lee Taylor in Mycotaxon 100: 204. 2007.
{Agaricus}
- Micropsalliota subarginea* Heinem. in Bull. Jard. bot. nat. Belg. 50: 48. 1980. {Agaricus}
- Lepiota subasperula* Murrill in Q. Jl Fla. Acad. Sci. 8: 179. 1945. U.S.A. W.A. Murrill F 19686, 22 Aug. 1944, in soil under shrubs at Gainesville Fl. FLAS.
[perhaps similar to *Lepiota perplexa*?]
- Lepiota subcarcharias* Pat. in Mém. Acad. malgache 6: 28. 1928; in Bull. Mus. natn. Hist. nat., Paris 6: 530. 1924. Madagascar.
[type in PC general herbarium]
- Lepiota subcarcharias* Beeli in Bull. Soc. roy. bot. Belg. 64: 216. 1932.
- Lepiota subcitrophylla* Hongo in J. Jap. Bot. 31: 148. 1956. Japan.
[type study Montoya & Bandala, (‘2005’) 2006]
- Agaricus subclypeolarius* Berk. & M.A. Curtis in J. linn. Soc., Bot. 10: 283. 1869 (excl. *Agaricus subclypeolarius* sensu Berk. & Broome in J. linn. Soc., Bot. 11: 497. 1871. = *Lepiota zeylanica*); *Lepiota subclypeolaria* (Berk. & M.A. Curtis) Sacc., Syll. Fung. 5: 67. 1887. Cuba.
[type studies Dennis, 1952; Pegler, 1987a]
- Lepiota subcortinaria* Singer in Beih. Nova Hedwigia 29: 171. 1969 (Mycoflora australis). Argentina.
- Leucoagaricus subcretaceus* Bon in Doc. mycol. 7 (27-28): 17. 1977 (as nom. nov. for *Lepiota cretaceus* sensu Locquin; not valid); *Leucoagaricus subcretaceus* Bon in Doc. mycol. 11 (43): 64. 1981 (not valid, as nom. nov. for *A. naucinus* sensu Cooke); *Leucoagaricus subcretaceus* Bon in Bon & Van Haluwijn in Doc. mycol. 13 (49): 49. 1983; *Leucoagaricus subcretaceus* Bon in Doc. mycol. 7 (27-28): 17. 1977 (not valid); *Leucoagaricus subcretaceus* Bon in Doc. mycol. 11 (43): 64. 1981 (not valid); *Leucoagaricus subcretaceus* Bon in Bon & Haluwijn in Doc. mycol. 13 (49): 49. 1983; *Leucoagaricus leucothites* var. *subcretaceus* (Bon) P. Roux & Guy Garcia in Roux, Mille et un Champignons: 998. 2006. (based on *Agaricus naucinus* sensu Cooke)). Luxembourg.
[a variant of *Leucoagaricus leucothites* with huge basidiocarps]
- Lepiota subcristata* Murrill in Mycologia 3: 83. 1911, non *Lepiota subcristata* Beeli, 1932, nec *Lepiota subcristata* Cleland, 1931. Jamaica.
[sp. ellipsoid]
[type study Smith, 1966.]
- Lepiota subcristata* Beeli in Bull. Soc. roy. bot. Belg. 64: 216. 1932, non *Lepiota subcristata* Murrill, 1911. Congo. (Mme Goossens 918)
[“sp. ellipsoïdes, lisses, 3.5x2 μ m.”]
- Lepiota subcristata* Cleland in Trans. Proc. Roy. Soc. South Australia 55: 153. 1931, non *Lepiota subcristata* Murrill, 1911. Australia.
[type study Grgurinovic, 1997]
- Lepiota subcristatella* Murrill in Bull. Torrey bot. Cl. 66: 154. 1939. U.S.A., Florida.
- Lepiota subcultorum* Murrill in Lloydia 5: 139. 1942. U.S.A., Florida.
- Lepiota subdelicata* Henn. in Verh. bot. Ver. Prov. Brandenb. 42: 67. 1900. Germany (botanical Garden).
- Lepiota subdryophila* Murrill in Bull. Torrey bot. Cl. 66: 154. 1939. U.S.A., Florida.

- Xanthagaricus subpipastus* (Heinem. & Little Flower) Little Flower, Hosag. & T.K. Abraham in *New Botanist* 24: 99. 1997; *Hymenagaricus subpipastus* Heinem. & Little Flower in *Bulletin du Jardin Botanique National de Belgique* 54(1-2): 168. 1984. {Agaricus}
- Lepiota suberythrosticta* de Meijer, *Notable macrofungi from Brazil's Parana pine forests*: 285. ('2008') 2009. (nom. ad int., no Latin)
- Agaricus subexcoriatus* Baglietto in *Nuovo Giorn. bot. ital.* 18: 234. 1886; *Lepiota subexcoriata* (Baglietto) Sacc., *Syll. Fung.* 5: 31. 1887. 'Slavonia'.
- Lepiota subfelina* Murrill in *Mycologia* 4: 234. 1912. U.S.A. Type W.A. Murrill 349, collected on the ground in woods near Seattle, Washington, October 20-November 1, 1911. [type study Smith, 1966.]
- Lepiota subfelinoides* Bon & P.D. Orton in *Doc. mycol.* 14 (56): 56. ('1984') 1985, nom. nov. for *Lepiota felinoides* (Bon) P.D. Orton, 1984, non *Lepiota felinoides* Peck, 1900. [see under *Lepiota cristata*]
- Lepiota subflavescens* Murrill in *North Amer. Fl.* 10: 54. 1914. U.S.A., Louisiana. [type study Smith, 1966]
- Leucoagaricus subflavus* T.K.A. Kumar & Manim. in *Mycotaxon* 108: 404. 2009. India, Kerala State. MycoBank MB512339.
- Lepiota subfulvastra* Murrill in *Mycologia* 33: 438. 1941. U.S.A., Florida.
- Lepiota subfulvidisca* Murrill in *Lloydia* 6: 221. 1943; *Chlorophyllum subfulvidiscum* (Murrill) Vellinga in *Mycotaxon* 83: 416. 2002. U.S.A., Florida. [type study Akers & Sundberg, 1997] [synonym of *Chl. hortense*]
- Lepiota subglischra* S. Imai in *J. Fac. Agric. Hokkaido Univ.* 43: 45. 1938; *Limacella subglischra* (S. Imai) S. Ito, *Mycological Flora of Japan* 2(5): 251. 1959. Japan. [in *Amanitaceae*]
- Leucoagaricus subglobisporus* (Contu) Consiglio & Contu in *Micol. Veget. mediterr.* 19 (1): 71. 2004; *Sericeomyces subglobisporus* Contu in *Cryptogamie, Mycol.* 12: 7. 1991. Sardinia.
- Leucocoprinus subglobisporus* Hongo in *J. Jap. Bot.* 60: 370. 1985. Japan.
- Leucocoprinus lilacinogranulosus* var. *subglobisporus* D.A. Reid in *Mycol. Research* 93: 420. 1989; *Leucocoprinus ianthinus* var. *subglobisporus* (D.A. Reid) Blanco-Dios in *Castro & Blanco-Dios in Fungi non Delineati* 37: 65. 2007.
- Lepiota subgracilis* Kühner in *Bull. trimest. Soc. mycol. Fr.* 52: 231. 1936, nom. nov. for *Lepiota gracilis* (Quél.) J.E. Lange; *Lepiota clypeolaria* var. *gracilis* Quél. in *C. r. Ass. franç. Av. Sci.* 22: 485. 1894 (Suppl. Champ. Jura Vosges 19); *Lepiota gracilis* (Quél.) J.E. Lange in *Dansk bot. Ark.* 2 (3): 24. 1915, non *Lepiota gracilis* Peck in *Bull. Torrey bot. Cl.* 26: 63. 1899; *Lepiota gracilis* (Quél.) Rea, *Brit. Basidiomyc.*: 70. 1922 (superfluous new comb.); *Lepiota subgracilis* Wasser in *Ukr. bot. Zh.* 35: 516-519. 1978 (superfluous); *Lepiota wasseri* Bon in *Doc. mycol.* 22 (88): 29. 1993 (superfluous name change). – *Lepiota kuehneriana* Locq. in *Friesia* 5: 296. 1956. [NB – the Index of Fungi assumes that Lange's interpretation of *Lepiota gracilis* differs from the original version, and treats Kühner's name as not validly published, in which case Wasser's name is the correct one]
- Lepiota subgranulosa* Murrill in *Mycologia* 3: 83. 1911. Mexico.
- Lepiota subgrisea* Murrill in *Mycologia* 3: 84. 1911. Jamaica.
- Leucoagaricus subhymenoderma* Bon & A. Caball. in *Doc. mycol.* 27 (106): 38. 1997. ad interim. (no Latin diagn., no type collection); *Leucoagaricus subhymenoderma* Bon & A. Caball. ex Bon & A. Caball. in *Doc. mycol.* 32 (127-128): 43. 2003. Holotype LIP, Caballero 2638. Spain.

- Lepiota subincarnata* J.E. Lange, Fl. agar. dan. 5: V. 1940. – *Lepiota josserandii* Bon & Boiffard in Bull. trimest. Soc. mycol. Fr. 90: 289. ('1974') 1975 (based on *Lepiota helveola* sensu Josserand, 1931); *Leucoagaricus josserandii* (Bon & Boiffard) Raithelh. in Metrodiana 17: 75. 1989 (not valid, 'ad interim'); *Lepiota subincarnata* var. *josserandii* (Bon & Boiffard) Gminder in Beitr. Kenntn. Pilze Mitteleur. 12: 69. 1999.
- Lepiota sublaevigata* Bon & Boiffard in Bon in Doc. mycol. 10 (37-38): 90. 1979. 1980. France.
- Lepiota sublilacea* Peck in Bull. Torrey bot. Cl. 24: 139. 1897. U.S.A., Kansas (bare ground in pastures)
- Lepiota sublittoralis* Kühner in Bull. trimest. Soc. mycol. Fr. 52: 216. 1936 (not valid; no Latin diagn.); *Leucocoprinus sublittoralis* (Kühn.) Locq. in Bull. mens. Soc. linn. Lyon 14: 93. 1945 (not valid); *Leucoagaricus sublittoralis* (Kühner) Singer in Lilloa 22: 422. ('1949') 1951 (not valid); *Lepiota sublittoralis* Hora in Trans. Br. mycol. Soc. 43: 450. 1960; *Leucoagaricus sublittoralis* (Hora) Singer in Beih. Nova Hedwigia 29: 163. 1969 (Mycoflora australis). Type GB, Berkshire, Windsor Great Park, 18-X-1957, herb. Hora ("lost").
- Lepiota sublongistriata* Raithelh., Nueva Flora micológico Argentina: 524. 2004. Argentina.
- Lepiota submarasmioides* Speg. in Anales Soc. cient. Argentina 12: 13. 1881 (Fungi arg. pug. 4). C. America.
- Leucocoprinus submontagnei* Heinem. in Bull. Jard. bot. nat. Belg. 47: 84. 1977, nom. nov. for *Lepiota montagnei* var. *congolensis* Beeli p.p., Fl. icon. Champ. Congo 2: 36, pl. 6, fig. 10a. 1936. Zaïre.
- Lepiota subneophana* Murrill in Lloydia 6: 221. 1943. U.S.A., Florida.
- Lepiota subnivosa* Murrill in Mycologia 4: 231. 1912. U.S.A. Type W.A. Murrill 336, collected on the ground in deep woods near Seattle, Washington, October 20-November 1, 1911. [type study Smith, 1966.]
[Murrill 1912: 231: "Pileus thin, convex to plane, umbonate, solitary, 1.5-3 cm. broad; surface dry, smooth, somewhat striate at times, slightly innate-fibrillose, with a few scattered floccose scales, snow-white throughout or rose-tinted on the umbo; lamellae free, narrow, not crowded, white; spores ellipsoid, smooth, hyaline, uniguttulate, 7-8 x 3.5 μ ; stipe thicker below, slender, glabrous, hollow, white, 5-9 cm. long and 2-4 mm thick; annulus superior, white, fixed, rarely ample and persistent, usually breaking up and vanishing, especially in small plants."]
- Lepiota fulvella* var. *subolivacea* Bon in Bon & Mornand in Bull. Soc. Etud. scient. Anjou 12: 48. 1986. France.
- Leucoagaricus subolivaceus* Migl. & Perrone in Boll. Ass. micol. ecol. romana 9 (27): 44-45. 1992. Holotypus in herb. V. Migliozi, n. 35/92.
- Lepiota subornata* Raithelh. in Metrodiana 11 (2): 51. 1985, nom. nov. for *Lepiota denticulata* Raithelh., 1974, non *Lepiota denticulata* Speg., 1900; *Cystoderma subornata* (Raithelh.) Raithelh. in Fl. mycol. Argentina Hongos 1: 290. 1987.
- Lepiota subphaeosticta* Murrill in Lloydia 6: 222. 1943. U.S.A., Florida.
- Agaricus subpratensis* Murrill in Mycologia 10: 77. 1918. {Agaricus}
- Lepiota subprocera* Beeli in Bull. Soc. roy. bot. belg. 64: 212. 1932, non *Lepiota subprocera* (Saut.) Sacc., 1887. Congo.
- Agaricus subprocerus* Saut. in Hedwigia 15: 152. 1876; *Lepiota subprocera* (Saut.) Sacc., Syll. Fung. 5: 28. 1887. Austria.
[Sauter, 1876: 152: "A. pileo carnosu, molli campanulato, umbonato, cute tenaci, in squamas persistentes rupta, stipite elato, (3") cavo., laevi, bulboso, immaculate, annulo

- mobili, cartilagineo marginato*. Buchenwald des Imbergs bei Salzburg 24. Sept. 1876.”] [probably synonym of *Chl. rachodes*]
- Leucoagaricus subpudicus* Bon in Doc. mycol. 22 (88): 32. 1993. Holotype 760928 in herb. Bon (*Lepiota pudica* sensu Locq. in Bull. mens. Soc. linn. Lyon 14: 53. 1945, nomen confusum). France.
- Lepiota subpumila* Murrill in Lloydia 5: 139. 1942. U.S.A., Florida.
- Lepiota acerina* var. *subpurpurata* Bon in Bon & G. Rioussat in Doc. mycol. 22 (85): 63. 1992. France.
- Lepiota subradicans* Beeli in Bull. Soc. roy. bot. belg. 64: 212. 1932. Congo.
- Lepiota subremota* (Berk. & M.A. Curtis) Sacc., Syll. Fung. 5: 33. 1887; *Agaricus subremotus* Berk. & M.A. Curtis in Ann. Mag. nat. Hist. IV, Ser. 3: 284. 1859. U.S.A., New England. Curt. No. 5067. On the ground amongst fir-leaves. C.J. Sprague.
- Lepiota subrepanda* Murrill in Lloydia 6: 222. 1943. U.S.A., Florida.
- Lepiota subrhacodes* Murrill in Lloydia 6: 223. 1943; *Chlorophyllum subrhacodes* (Murrill) Vellinga in Mycotaxon 83: 416. 2002; *Macrolepiota subrhacodes* (Murrill) Akers in Bessette et al., Mushrooms southeastern United States: 173. 2007 (basionym not mentioned; as *M. subrachodes*) U.S.A., Florida. [type study Smith, 1966; Vellinga, 2003a.]
- Lepiota subrhodopepla* Murrill in Mycologia 33: 438. 1941. U.S.A., Florida.
- Lepiota felina* f. *subrobusta* Bon in Doc. mycol. 22 (88): 29. 1993. Holotypus 741006 in herb. Bon. France.
- Lepiota subrosea* Murrill in Lloydia 9: 319. 1946. U.S.A., Florida.
- Lepiota subroseifolia* Murrill in Lloydia 9: 319. 1946. U.S.A., Florida.
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[one spore from the Miocene]
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[type study Yang, 2000; synonym of *Termitomyces microcarpus* (Berk. & Broome) R. Heim]

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[type study Yang, 2000; according to Yang (2000) synonymous with *Leucoagaricus rubrotinctus*]
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[type study Akers & Sundberg, 2001]
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[synonym of *Lepiota subdryophila* Murrill]
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[N.B. non *Agaricus tuberculosus* Schaeff. : Fr., Syst. mycol. 1: 244. 1821]
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[type study Reid & Eicker, 1993]
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[according to Index Fungorum on line version, 19 Dec 2008, the correct spelling is 'umkowaan']
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[{Agaricus}](#)
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[no Saccardo citation mentioned in Index Fungorum]
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[Dufour & Poisson, 1927: "Chapeau convexe un peu tronqué au sommet gris-roux avec écailles noirâtres, large de 3 cm 5; lames adhérentes rosés ou roussâtres, serrées, pied cylindrique un peu ondulé, roux très pale, blanc au-dessous d'un anneau roux fibrilleux, quelques écailles au-dessous de l'anneau le long du pied, long de 5 à 6 cm. – spores blanches. A terre sur les dunes de Befanamy – 3 Mars 1922"]
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[in Gomphaceae]
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[according to Morgan (1906) and to Liang et al. (2011) the same as *L. coeruleascens* Peck]
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[type in PC general herbarium]
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[neotype designated by Kumar & Manimohan (2009) from India, Kerala State].

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[Index Fungorum (online) lists the combination *Lepiota viridiflava* (Rick) Singer; however, Singer did not make the combination in *Lepiota*: he stated that *Mycena viridiflava* also belongs to *Lepiota* sect. *Stenosporae*, without making the combination proper; basionym not mentioned]
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[*Limacella* ?]
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[spores are metachromatic and clamps absent, pileus grooved. spores are really small and lack a germ pore, and the whole frb is pretty small.]
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Type in BAFC. {SEC} {Agaricus}
[probably in *Agaricus*]
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 Holotype AD 9773; South Australia. {SEC}
 [position in *Agaricaceae* not proven]
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 [see under *Lepiota subgracilis*]
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 1309. 1991. Brazil. Holotype: Herbario UFV, 10 April 1990, J.J. Muchovej.
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 20. 1856)]; *Lepiota weddellii* (Mont.) Sacc., Syll. Fung. 5: 55. 1887. {Agaricus}
 [type study Pegler, 1990: “this is a species of *Agaricus* section *Majales*, possibly closely
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 4., the type surfaces on p. 11). 1953; *Leucoagaricus wichanskyi* (Pilát) Bon & Boiffard in
 Bull. trimest. Soc. mycol. Fr. 90: 303. (‘1974’) 1975 (as *Leucoagaricus wichanskyi*).
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Type GB, Sussex, Singleton, Hacking Copse, 1-X-1945, A.A. Pearson (K)
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[according to Van Bambeke 1900, name for sclerotium of *Leucoagaricus meleagris*]

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[type not in FH, not found in PC]
- Lepiota zenkeri* Henn. in Engler bot. Jahrb. 23: 555. 1897. Cameroon.
[according to Pegler (1968) this is a synonym of *Lepiota aurea* Beeli = *Amanita aureofloccosa* Bas; Singer based his *Lepiota* sect. *Amylosporae* on this species]
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