

Checklist of Bolivian *Agaricales*. 2: Species with white or pale spore prints

ELIZABETH MELGAREJO-ESTRADA^{1,2,3,4}, DIANA ROCABADO⁴,
MARÍA EUGENIA SUÁREZ^{2,3}, OSWALDO MAILLARD^{4,5} & BERNARDO E. LECHNER^{1,3}

¹Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Departamento de Biodiversidad y Biología Experimental, Laboratorio de Hongos Agaricales, Buenos Aires, Argentina.

²Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Departamento de Biodiversidad y Biología Experimental, Grupo de Etnobiología, Buenos Aires, Argentina.

³CONICET-Universidad de Buenos Aires, Instituto de Micología y Botánica (INMIBO) - CONICET, Buenos Aires, Argentina.

⁴Museo de Historia Natural Noel Kempff Mercado-UAGRM. Av. Irala 565. Casilla 2489 Correo Central, Santa Cruz, Bolivia.

⁵Fundación para la Conservación del Bosque Chiquitano (FCBC). Av. Ibérica calle 6 Oeste 95, Puerto Busch, Barrio Las Palmas. Santa Cruz, Bolivia.

CORRESPONDENCE TO: blechner@bg.fcen.uba.ar

ABSTRACT—We provide a literature-based checklist of *Agaricales* reported from Bolivia. In this second contribution, 264 species belonging to 55 genera and 15 families (*Agaricaceae*, *Clavariaceae*, *Cyphellaceae*, *Hygrophoraceae*, *Hymenogastraceae*, *Marasmiaceae*, *Mycenaceae*, *Omphalotaceae*, *Physalacriaceae*, *Pleurotaceae*, *Pterulaceae*, *Schizophyllaceae*, *Tricholomataceae*, and *Typhulaceae*) are listed. Of these, *Marasmiaceae*, *Omphalotaceae* and *Hygrophoraceae* were the most species-abundant families. Some new local distribution records are documented in this checklist. The lichens *Cora* and *Dictyonema* are also included in the present checklist.

KEY WORDS—*Basidiomycota*, distribution, diversity, fungi, Neotropics, South America

Introduction

In “The *Agaricales* in Modern Taxonomy”, Singer (1986) employed a broad concept of the order *Agaricales*. Based on his experience in the Neotropics, he emphasized on micromorphology of the basidiospores and also integrated anatomical characters of the basidiomata (Matheny et al. 2006) of the gilled mushrooms to provide a taxonomic framework for this order of fungi that includes 26 families and 350 genera (Kirk et al. 2001), being *Amanita*, *Coprinellus*, *Cortinarius*, *Laccaria*, and *Lepiota* (Varga et al. 2019) the genera with more species. The *Agaricales* (*Basidiomycota*, *Agaricomycetidae*) clade has a dynamic evolutionary history that positions it as one of the most diverse and larger groups of fungi in the world; it is estimated that there are approximately 21,000 species described (Hibbett et al. 2007, Varga et al. 2019).

The earliest record of *Agaricales* order from Bolivia was given by Montagne (1856), who reported *Entoloma schistaceum*, *Marasmius ardosiaceus* and *Mycena cyanescens*. Fries (1909) collected and reported thirteen *Agaricales* in the first mycological expedition in Bolivia: *Bovista pusilla*, *Calvatia candida*, *C. cyathiformis*, *C. pygmaea*, *Clavaria albipes*, *Cyathus montagnei*, *C. poeppigii*, *C. stercoreus*, *Marasmius velutipes*, *Mycenastrum corium*, *Tulostoma berterioanum*, *Vascellum abscissum*, and *Panellus pusillus*. In 1921, as part of the Mulford Biological Exploration project lead by H. Rusby, only two *Agaricales* (*Armillaria alphitophylla* and *Schizophyllum commune*) were collected; two years later, *Mycena tricolor* was collected by the Bolivian botanist and naturalist M. Cárdenas (Stevenson & Cárdenas 1949). Stevenson and Cárdenas (1949) compiled a list of known species up to that moment, in which 460 species of Bolivian fungi were reported. Currently, all these records are the first and oldest known *Agaricales* species to Bolivia.

Literature references on Bolivian mycology use Singer’s concept for the order *Agaricales*. Overall, they are scarce; in the last 20 years there have been dispersal contributions to some taxa, e.g. *Gasteromycetes* (Rocabado et al. 2007, Maillard & Rocabado 2019), *Pucciniales* (Vánky 2009, Vánky et al. 2009) or *Ustilaginales* (Piepenbring 2002, 2003a, 2003b). In our previous contribution (Melgarejo-Estrada et al. 2020) the scattered information for the species of *Agaricales* with dark and pink spore prints was compiled in a checklist of 101 species known to date in Bolivia. In the present contribution, we compile the available information on the species of *Agaricales* with white or pale spore prints found in Bolivia in a new checklist, thus establishing a baseline for future mycological studies.

Materials & methods

We consulted all existing bibliography from 1909 to 2020 (articles, books and monographs) that included records of *Agaricales* for Bolivia with white or pale spore prints. Virtual databases were also consulted (Index Fungorum and Swedish herbaria database – Museum of Natural History). Only one doctoral thesis on taxonomy of Bolivian *Marasmius* was considered for this review (Wenck, 2012). New local distribution records are extended and presented for known species, based on original data and materials collected in Bolivia by the first author.

SUMMARY: MYCOTAXON 135: 333—MYCOBIOTA NEW TO WWW.MYCOTAXON.COM

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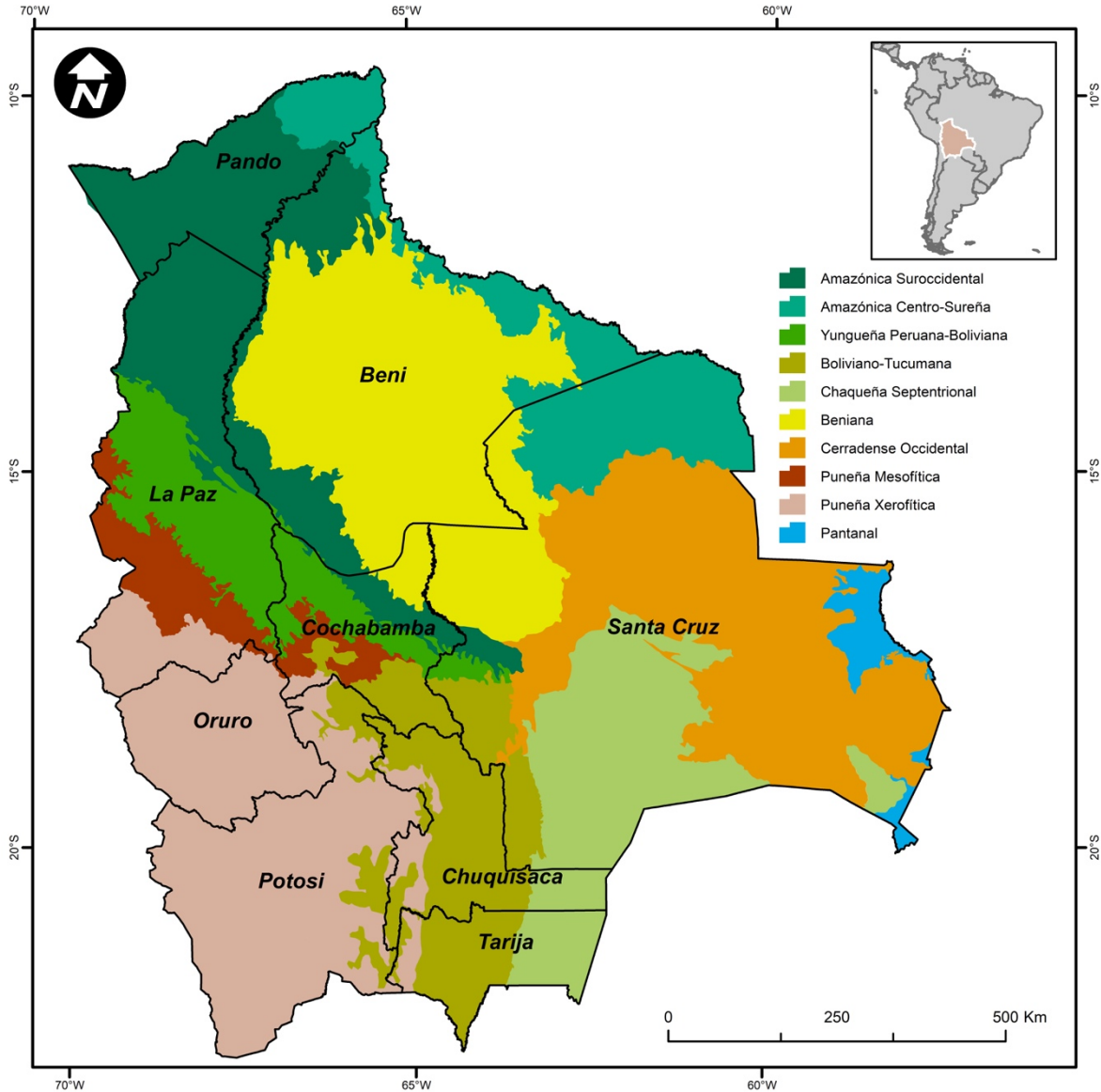


Figure 1: Map of Bolivia

[Biogeographical and political division following Navarro & Maldonado (2011) classification system.]

Specific data for each species collected in Bolivia, distribution (Dist.) per department (Figure 1, Table 1) and the collectors and the collection number are mentioned, followed by the acronym of the fungal reference collection where the specimen is preserved (Coll. & Num. & Herbaria) and, if applicable, its typification is also included. References (Ref.) correspond to the cited literature and remarks are added (Notes), including taxa that showed a nomenclatural conflict (Table 2).

Species names were updated and organized by families according to the Index Fungorum website (<http://www.indexfungorum.org/>). This website was also consulted for synonyms, which are included in the checklist. Journal abbreviations follow the Hunt Institute for Botanical Documentation (2019) web site proposal. Author's names abbreviations are according to the International Plant Names Index (IPNI 2019) (<https://www.ipni.org/>) and Authors of Fungal Names (<http://www.indexfungorum.org/names/Names.asp>).

The herbaria and their respective acronyms are used according to the Index Herbariorum (Thiers 2019; <http://sweetgum.nybg.org/science/ih/>). Botanischer Garten und Botanisches Museum Berlin-Dahlem, Zentraleinrichtung der Freien Universität Berlin (B), Field Museum of Natural History U.S.A, Chicago (F), Fundación Miguel Lillo (LIL), Gdansk University (UGDA), George Mason University (GMUF), Herbario de la Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires (BAFC), Herbario del Museo de Historia Natural Noel Kempff Mercado,

Universidad Autónoma Gabriel René Moreno (USZ), Herbario Nacional de Bolivia, Universidad Mayor de San Andrés (LPB), Herbario Real Jardín Botánico Madrid (MA), San Francisco State University (SFSU), Swedish Museum of Natural History, Stockholm (S-F), The New York Botanical Garden (NY), U.S. National Fungus Collections USDA-ARS (BPI), University of Michigan (MICH) and W. Szafer Institute of Botany, Polish Academy of Sciences (KRAM). The AMSS (Asociación Micológica Sierras Subbéticas) and HCUCB (Herbario Criptogámico, Universidad Católica Boliviana) herbaria are not recognized by Index Herbariorum but were considered in this study.

TABLE 1– Abbreviations used for the departments of Bolivia.

DEPARTMENT	ABBREV.
Beni	BE
Chuquisaca	CH
Cochabamba	CO
La Paz	LP
Oruro	OR
Pando	PA
Potosi	PO
Santa Cruz	SC
Tarija	TA
Not indicated	NI

TABLE 2– Abbreviations used in taxa that showed nomenclatural conflicts.

NOTES	ABBREV.
Collector was not indicated	CNI
Herbarium was not indicated	HNI
Holotype is missing	MH
Number of collections was not indicated	NNI
Not validly published	NVP
New local distribution record	*

Results

A total of 152 publications were consulted for records of fungi for Bolivia, of which 47 contained information and citations on Bolivian white or pale spore members of *Agaricales*; these citations were used for the present checklist. We found 315 records referring to 264 species belonging to 55 genera and 15 families of *Agaricales*, phylum *Basidiomycota*; these records are listed in the present checklist and ordered alphabetically within each taxa level. This information is presented in two sections: [a] white or pale spore *Agaricales* and [b] lichens that form associations with white or pale spore *Agaricales*. At the same time, new reports of local distribution based on original data and materials gathered by the first author in Bolivia expand the known distribution of 11 species (Table 3).

TABLE 3– Taxa and new local distribution records to *Agaricales* with white or pale spore prints.

TAXA	LOCALITY
<i>Cyathus montagnei</i> Tul. & C. Tul.	Santa Cruz de la Sierra, Jardín botánico de Santa Cruz de la Sierra, Road to Cotoca Km 8 ½ (17°46'03" S and 63°04'16" O). Elevation: 377 m.
<i>Dactylosporina steffenii</i> (Rick) Dörfelt	Santa Cruz de la Sierra, Jardín botánico de Santa Cruz de la Sierra, Road to Cotoca Km 8 ½ (17°46'03" S and 63°04'16" O). Elevation: 377 m.
<i>Leucoagaricus rubrotinctus</i> (Peck) Singer	Cochabamba, Colcapirhua sur, near to Chijllawiri river (17° 21' 07" S and 66° 21' 06" O). Elevation: 2704 m.
<i>Marasmius berteroi</i> (Lév.) Murrill	Santa Cruz de la Sierra, Jardín botánico de Santa Cruz de la Sierra, Road to Cotoca Km 8 ½ (17°46'03" S and 63°04'16" O). Elevation: 377 m.
<i>Marasmius cecropiae</i> Dennis	Cochabamba, Carrasco National Park, Incachaca, near to Baño de las Ñustas (17° 13' 00" S and 65° 49' 00" O). Elevation: 2450 m. Cochabamba, Colomi, road Cochabamba-Santa Cruz de la Sierra (17° 11' 37" S and 65° 51' 55" O). Elevation: 2406 m.

<i>Marasmius haematocephalus</i> (Mont.) Fr.	Cochabamba, Carrasco National Park, near Paractito (17° 23' 00"S and 65° 03' 00"O). Elevation: 469 m. Cochabamba, Carrasco National Park, Incachaca, near Mirador (17° 23' 23" S and 65° 48' 52" O). Elevation: 2274 m. Santa Cruz de la Sierra, Jardín botánico de Santa Cruz de la Sierra, Road to Cotoca Km 8 ½ (17° 46' 03" S and 63° 04' 16" O). Elevation: 377 m.
<i>Oudemansiella canarii</i> (Jung.) Höhn.	Cochabamba, Carrasco National Park, Sehuencas (17° 30' 00" S and 65° 16' 00" O). Elevation: 2219 m.
<i>Panellus pusillus</i> (Pers. ex Lév.) Burds. & O.K. Mill.	Cochabamba, ANMI Amboró, Comarapa, Laguna Verde (17° 52,6' 00" S and 64° 30' 00" O). Elevation: 2300 m.
<i>Pleurotus djamor</i> (Rumph. ex Fr.) Boedijn	Cochabamba, Villa Tunari, Chapare (17°34' 00" S and 65°55' 00" O). Elevation: 469 m.
<i>Schizophyllum commune</i> Fr.	Cochabamba, Carrasco National Park, Incachaca, near Mirador (17° 23' 23" S and 65° 48' 52" O). Elevation: 2312 m. Cochabamba, Tiquipaya, Rumichaca (17° 22' 25" S and 66° 14' 30" O). Elevation: 2700 m. Cochabamba, ANMI Amboró, Astilleros (18° 49' 74" S and 64° 39' 00" O). Elevation: 2565 m.
<i>Tetrapyrgos alba</i> (Berk. & M.A. Curtis) E. Horak	Cochabamba, Carrasco National Park, Incachaca, near Mirador (17° 23' 23" S and 65° 48' 52" O). Elevation: 2312 m.

Overall, *Marasmiaceae* is the family with the most abundant species in this checklist with 148 species, followed by *Omphalotaceae* with 38 species and, *Hygrophoraceae* with 19 species, being the most representative genera *Marasmius* (115 species), *Marasmiellus* (33), *Cora* (11) and *Mycena* (8) (Table 4).

The most complete bibliography corresponds to *Marasmiaceae* family, which was studied by Singer (1964b, 1966b, 1976) and recently by Wenck (2012), including complete descriptions of species. The other contributions compiled in the present checklist are dispersed and fragmented or are part of larger studies in the neotropical (Singer 1960a, 1966a, 1973b, 1974, 1975) and/or bordering countries, e.g. Argentina, Brazil (Wartchow 2014, Wartchow et al. 2014).

TABLE 4– Species number by genera and family of *Agaricales* with white or pale spore prints reported for Bolivia

FAMILY AND GENERA REPRESENTED	NO. OF SPECIES
<i>Agaricaceae</i>	8
<i>Chlorophyllum</i>	1
<i>Cyathus</i>	3
<i>Disciseda</i>	1
<i>Leucoagaricus</i>	1
<i>Micropsalliota</i>	1
<i>Mycenastrum</i>	1
<i>Clavariaceae</i>	2
<i>Clavaria</i>	1
<i>Clavulinopsis</i>	1
<i>Cyphellaceae</i>	2
<i>Rhodoarrhenia</i>	2
<i>Hygrophoraceae</i>	19
<i>Arrhenia</i>	1
<i>Camarophyllum</i>	1
<i>Cora</i> (*)	11
<i>Dictyonema</i> (*)	3
<i>Hygrocybe</i>	2

<i>Hygrophorus</i>	1
Hymenogastraceae	1
<i>Naucoria</i>	1
Marasmiaceae	148
<i>Campanella</i>	1
<i>Chaetocalathus</i>	3
<i>Crinipellis</i>	7
<i>Epicnaphus</i>	2
<i>Favolaschia</i>	3
<i>Gerronema</i>	4
<i>Hydropus</i>	5
<i>Manuripia</i>	1
<i>Marasmius</i>	115
<i>Moniliophthora</i>	1
<i>Pleurocybella</i>	1
<i>Tetrapyrgos</i>	3
<i>Trogia</i>	2
Mycenaceae	13
<i>Hemimycena</i>	3
<i>Mycena</i>	8
<i>Panellus</i>	1
<i>Xeromphalina</i>	1
Omphalotaceae	38
<i>Gymnopus</i>	4
<i>Marasmiellus</i>	33
<i>Setulipes</i>	1
Porotheleaceae	1
<i>Phloeomana</i>	1
Physalacriaceae	12
<i>Armillaria</i>	1
<i>Armillariella</i>	1
<i>Cyptotrama</i>	1
<i>Cryptomarasmius</i>	1
<i>Dactylosporina</i>	2
<i>Gloiocephala</i>	4
<i>Oudemansiella</i>	2
Pleurotaceae	1
<i>Pleurotus</i>	1
Pterulaceae	1
<i>Pterula</i>	1
Schizophyllaceae	1
<i>Schizophyllum</i>	1
Tricholomataceae	16

<i>Clitocybe</i>	4
<i>Collybia</i>	3
<i>Cyphellocalathus</i>	1
<i>Dermoloma</i>	1
<i>Neoclitocybe</i>	3
<i>Omphalina</i>	3
<i>Rimbachia</i>	1
Typhulaceae	1
<i>Pistillaria</i>	1

(*) Lichens.

Regarding the distribution of the species by department (Table 5), most of the records are compiled for La Paz department (144 records), followed by Beni (104 records) and Cochabamba (8 records) (Table 5), being the most explored the Provincia Yungueño Peruano-Boliviana and the Provincia Amazónica Suroccidental.

According to Perera et al. (2017), 39 agaric type specimens from the mycological collection of Singer from Bolivia that were deposited in the Miguel Lillo Fundación (LIL) are currently missing or have been destroyed; of them, 24 type specimens with white or pale spore prints are reported in this manuscript, noted in this checklist by MH (Table 2).

TABLE 5— Numbers of known species of *Agaricales* with white or pale spore print by departments and biogeographical provinces of Bolivia

DEPARTMENT	RECORDED SPECIES	ECOREGIONS/BIOGEOGRAPHICAL PROVINCES
Beni	104	Amazónica Suroccidental
Cochabamba	8	Yungueño Peruano-Boliviana
La Paz	144	Yungueño Peruano-Boliviana
Pando	1	Amazónica Suroccidental
Santa Cruz	1	Cerradense Occidental
Not Indicated	57	-

BASIDIOMYCOTA

[a] *Agaricales* with white or pale spore prints

Agaricaceae

Chlorophyllum Masee

Chlorophyllum hortense (Murrill) Vellinga. *Mycotaxon* 83: 416 (2002).

Bas: *Lepiota hortensis* Murrill (1917)

= *Leucoagaricus hortensis* (Murrill) Pegler (1983).

Dist: NI. Coll. & Num. & Herbaria: NI. Ref.: Boa (2005). CNI, NNI, HNI.

Cyathus Haller

Cyathus montagnei Tul. & C. Tul. *Annls Sci. Nat., Bot., sér. 3, 1: 70* (1844).

= *Cyathia montagnei* (Tul. & C. Tul.) V.S. White (1902), *Cyathodes montagnei* (Tul. & C. Tul.) Kuntze (1891), *Cyathus montagnei* subsp. *brasiliensis* (Speg.) Speg. (1898), *Cyathus montagnei* var. *brasiliensis* Speg. (1881).

Dist: TA, SC*. Coll. & Num. & Herbaria: R.E. Fries 372a (S-F 40000) & 308 (S-F 39999), CH 08 (USZ)*, CH 27 (USZ)*. Ref.: Fries (1909), Rocabado et al. (2007), Stevenson & Cárdenas (1949).

Cyathus poeppigii Tul. & C. Tul. *Annls Sci. Nat., Bot., sér. 31: 77* (1844).

= *Cyathia poeppigii* (Tul. & C. Tul.) V.S. White (1902), *Cyathodes poeppigii* (Tul. & C. Tul.) Kuntze (1891).

Dist: TA. Coll. & Num. & Herbaria: R. E. Fries 372 (S-F 47278). Ref.: Fries (1909), Rocabado et al. (2007), Stevenson & Cárdenas (1949).

Cyathus stercoreus (Schwein.) De Toni. *Syll. fung. (Abellini)* 7(1): 40 (1888).

Bas: *Nidularia stercorea* Schwein (1832).

= *Cyathia stercorea* (Schwein.) V.S. White (1902), *Cyathodes lessueurii* (Tul. & C. Tul.) Kuntze (1891), *Cyathodes stercoreum* (Schwein.) Kuntze (1891), *Cyathus lesueurii* Tul. & C. Tul. (1844).

Dist: TA. Coll. & Num. & Herbaria: R. E. Fries 254 (S-F 40002). Ref.: Rocabado et al. (2007), Stevenson & Cárdenas (1949).

Disciseda Czern.

Disciseda verrucosa G. Cunn. *Trans. Proc. N.Z. Inst.* 57: 205 (1926).

= *Disciseda verrucosa* f. *alba* Batyrova (1977).

Dist: SC. Coll. & Num. & Herbaria: B. Moreno & J. Gómez 5006 (MA 47180). Ref.: Calonge et al. (2000), Rocabado et al. (2007).

Leucoagaricus Locq. ex Singer

Leucoagaricus rubrotinctus (Peck) Singer. *Sydowia* 2(1–6): 36 (1948).

Bas: *Agaricus rubrotinctus* Peck (1884).

= *Lepiota rubrotincta* Peck (1891).

Dist: CO*, NI. Coll. & Num. & Herbaria: J. Gomez y Moreno-Arroyo (AMSS 06 UNE), E. Melgarejo-Estrada 184 (BAFC 53403, USZ) *. Ref.: Moreno-Arroyo et al. (2001). Notes: NNI.

Micropsalliota Höhn.

Micropsalliota cephalocystis (Heinem.) Heinem. *Kew Bull.* 31(3): 583 (1977).

Bas: *Agaricus cephalocystis* Heinem. (1961).

Dist: PA. Coll. & Num. & Herbaria: Singer 2275, B 2258, B 2300. Ref.: Heinneman (1962). Notes: HNI. Possibly, in LIL herbaria.

Mycenastrum Desv.

Mycenastrum corium (Guers.) Desv. *Annls Sci. Nat., Bot., sér.* 217: 147 (1842).

Bas: *Lycoperdon corium* Guers. (1805).

= *Mycenastrum corium* subsp. *ferrugineum* O.K. Mill., R.-L. Brace & V.S. Evenson (2005), *Mycenastrum corium* var. *diabolicum* Homrich & J.E. Wright (1973).

Dist: TA. Coll. & Num. & Herbaria: R. E. Fries 309. Ref.: Fries (1909), Stevenson & Cárdenas (1949). Notes: HNI.

Clavariaceae

Clavaria Vaill. ex L.

Clavaria albipes Mont. *Annls Sci. Nat., Bot., sér.* 218: 244 (1842).

Dist: TA. Coll. & Num. & Herbaria: R. E. Fries 393 (S-F 260885). Ref.: Swedish Herbarium database (S).

Clavulinopsis Overeem

Clavulinopsis inflatissima Corner. *Beih. Nova Hedwigia* 33: 64 (1970).

Dist: NI. Coll. & Num. & Herbaria: NI. Ref.: Index Fungorum (2019). Notes: CNI, NNI, HNI.

Cyphellaceae

Rhodoarrhenia Singer

Rhodoarrhenia albocremaea Singer. *Sydowia* 17(1–6): 143 (1964).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1271 (LIL, BAFC, type). Ref.: Mueller & Wu (1997), Singer (1964a).

Rhodoarrhenia nobilis Singer. *Sydowia* 17(1–6): 144 (1964).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1274 (LIL, BAFC, type). Ref.: Mueller & Wu (1997), Singer (1964a).

Hygrophoraceae

Arrhenia Fr.

Arrhenia andina (Corner) Redhead, Lutzoni, Moncalvo & Vilgalys. *Mycotaxon* 83: 46 (2002).
 Bas: *Leptoglossum andinum* Corner (1966).
 Dist: NI. Coll. & Num. & Herbaria: NI. Ref.: Index Fungorum (2019). Notes: CNI, NNI, HNI.

Camarophyllus (Fr.) P. Kumm.

Camarophyllus hieronymi Singer. *Sydowia* 30(1–6): 277 (1978).
 Dist: LP. Coll. & Num. & Herbaria: R. Singer B 968 (F, type). Ref.: Singer (1977).

Hygrocybe (Fr.) P. Kumm.

Hygrocybe lactarioides Singer. *Fieldiana, Bot.* 21: 5 (1989).
 Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2012 (LIL, type). Ref.: Index Fungorum (2019), Singer (1989). Notes: MH.

Hygrocybe siparia (Berk.) Singer. *Atlas Inst. Micol. Univ. Pernambuco* 2: 17 (1965).
 Bas: *Hygrophorus siparius* Berk. (1856).
 Dist: CO. Coll. & Num. & Herbaria: NI. Ref.: Farr & Stevenson (1963). Notes: CNI, NNI, HNI.

Hygrophorus Fr.

Hygrophorus prasinus Mont. *Anns Sci. Nat., Bot., sér.* 45: 362 (1856).
 Dist: CO. Coll. & Num. & Herbaria: NI. Ref.: Farr & Stevenson (1963). Notes: CNI, NNI, HNI.

Hymenogastraceae

Naucoria (Fr.) P. Kumm.

Naucoria conicopapillata Henn. *Syll. fung. (Abellini)* 16: 101 (1902).
 Bas: *Marasmius conicopapillatus* Henn (1895).
 = *Chamaeceras conicopapillatus* (Henn.) Kuntze (1898).
 Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2528 (LIL). Ref.: Singer (1976).

Marasmiaceae

Campanella Henn.

Campanella aberrans Singer. *Nova Hedwigia* 26(4): 855 (1976).
 Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1116 (LIL, type). Ref.: Mueller & Wu (1997), Singer (1975).

Chaetocalathus Singer

Chaetocalathus aurantiacus Singer. *Fl. Neotrop. Monogr.* 17: 57 (1976).
 Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2201 (F, type). Ref.: Singer (1976).

Chaetocalathus columellifer (Berk.) Singer. *Sydowia* 9 (1–6): 398 (1955).
 Bas: *Agaricus columellifer* Berk. (1852).
 Dist: BE. Coll. & Num. & Herbaria: R. Singer 2481 (LIL). Ref.: Mueller & Wu (1997), Singer (1976).

Chaetocalathus liliputianus (Mont.) Singer. *Lilloa* 8: 527 (1943).
 Bas: *Agaricus liliputianus* Mont. (1854).
 = *Dendrosarcus liliputianus* (Mont.) Kuntze (1898), *Lachnella liliputiana* (Mont.) Locq. (1952), *Pleurotopsis liliputiana* (Mont.) Murrill (1915), *Pleurotus liliputianus* (Mont.) Sacc. (1887).
 Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1378 (LIL). Ref.: Mueller & Wu (1997), Singer (1976).

Crinipellis Pat.

Crinipellis coroicae Singer. *Fl. Neotrop. Monogr.* 17: 27 (1976).
 Dist: LP. Coll. & Num. & Herbaria: R. Singer B 558 (F, type). Ref.: Singer (1976).

Crinipellis eggersii Pat. *Bull. Soc. mycol. Fr.* 9(2): 125 (1893).
 = *Chamaeceras eggersii* (Pat.) Kuntze (1898), *Crinipellis eggersii* var. *epiphyllus* Singer (1976), *Crinipellis eggersii* var. *lilaceiceps* Singer (1976), *Marasmius eggersii* (Pat.) Sacc. (1895).
 Dist: LP. Coll. & Num. & Herbaria: R. Singer B 747 (LIL, type). Ref.: Singer (1976). Notes: MH.

Crinipellis excentrica (Pat. & Gaillard) Pat. ex Singer. *Fl. Neotrop. Monogr.* 17: 35 (1976).
 Bas: *Collybia excentrica* Pat. & Gaillard (1888).
 Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2295 (F). Ref.: Singer (1976).

Crinipellis insignis Singer. *Fl. Neotrop. Monogr.* 17: 45 (1976).
 Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2320 (F, type). Ref.: Singer (1976).

Crinipellis mexicana Singer. *Fl. Neotrop. Monogr.* 17: 29 (1976).
 Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1323 (F). Ref.: Mueller & Wu (1997), Singer (1976).

Crinipellis pseudostipitaria var. *pseudostipitaria* Singer. *Lilloa* 8: 470 (1943).
 Dist: LP. Coll. & Num. & Herbaria: R. Singer B 720 (F). Ref.: Singer (1976).

Crinipellis purpurea Singer. *Fl. Neotrop. Monogr.* 17: 44 (1976).
 Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1318 (F), B 958 (F), B 935 (F), B 860 (F). Ref.: Mueller & Wu (1997), Singer (1976).

Crinipellis ticoi Halling. *Mycotaxon* 47: 379 (1993).
 Dist: BE. Coll. & Num. & Herbaria: R.E. Halling 6433 (LPB, NY). Ref.: Halling (1993).

Epicnaphus Singer

Epicnaphus longispora Raithelh. *Metrodiana* 4(3): 53 (1973).
 = *Androsaceus longisporus* Pat. & Gaillard (1888), *Chamaeceras longisporus* (Pat. & Gaillard) Kuntze (1898), *Marasmius escaulatus* Raithelh. (1985), *Marasmius longispora* (Raithelh.) Raithelh. (1983), *Marasmius longisporus* (Pat. & Gaillard) Sacc. (1891).
 Dist: LP. Coll. & Num. & Herbaria: R. Singer B 755 (LIL). Ref.: Singer (1964b).

Epicnaphus phalaropus Singer. *Sydowia* 14(1–6): 275 (1960).
 Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2175 (LIL, type). Ref.: Farr & Stevenson (1963), Singer (1960b).

Favolaschia (Pat.) Pat.

Favolaschia aurantiaca Singer. *Beih. Nova Hedwigia* 50: 101 (1974).
 Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2199 (F, type). Ref.: Singer (1974).

Favolaschia pterigena Singer. *Lloydia* 13: 255 (1951).
 = *Favolaschia pterigena* var. *boliviana* Singer (1974), *Favolaschia pterigena* var. *purpurea* Singer (1974).
 Dist: LP. Coll. & Num. & Herbaria: R. Singer B 817 (F, type to var. *boliviana*), R. Singer B 603 (F, type to var. *purpurea*). Ref.: Singer (1974).

Favolaschia violascens Singer. *Beih. Nova Hedwigia* 50: 103 (1974).
 Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1227 (F, type). Ref.: Mueller & Wu (1997), Singer (1974).

Gerronema Singer

Gerronema brunneum Singer. *Nova Hedwigia* 7: 78 (1964).
 Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1399 (BAFC, type). Ref.: Mueller & Wu (1997), Singer (1961), Singer (1964a).

Gerronema bryogeton Singer. *Sydowia* 15(1–6): 50 (1962).
 Dist: LP. Coll. & Num. & Herbaria: R. Singer B 811 (LIL, type). Ref.: Singer (1961), Singer (1964a).

Gerronema majus Singer. *Nova Hedwigia* 7: 64 (1964).
 Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2495 (BAFC, type). Ref.: Singer (1961), Singer (1964a).

Hydropus* Kühner ex Singer**Hydropus amazonicus*** Singer. *Beih. Sydowia* 7: 49 (1973).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1639 (BAFC, type). Ref.: Singer (1973).

Hydropus angustispermus Singer. *Fl. Neotrop. Monogr.* 32: 59 (1982).

Dist: PA. Coll. & Num. & Herbaria: (F, type). Ref.: Singer (1982). Notes: CNI, NNI.

Hydropus beniensis Singer. *Fl. Neotrop. Monogr.* 32: 17 (1982).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1910 (LIL, type). Ref.: Singer (1982). Notes: MH.

Hydropus bolivianus Singer. *Beih. Sydowia* 7: 50 (1973).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 802 (BAFC, type). Ref.: Singer (1973).

Hydropus excentricus Singer. *Fl. Neotrop., Monogr.* 32: 49 (1982).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2449 (F, type). Ref.: Singer (1982).

Manuripia* Singer**Manuripia bifida*** Singer. *Sydowia* 14(1–6): 273 (1960).

Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2272 (LIL, type). Ref.: Farr & Stevenson (1963), Singer (1960b).

Marasmius* Fr.**Marasmius aciculiformis*** var. ***albus*** Dennis. *Kew Bull.* 15(1): 98 (1961).

Dist: LP. Coll. & Num. & Herbaria: Wenck 44 (LPB, SFSU). Ref.: Wenck (2012).

Marasmius actinopus Mont. *Annl. Sci. Nat., Bot., sér.* 41: 112 (1854).Bas: *Chamaeceras actinopus* (Mont.) Kuntze (1854).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1121 (LIL), Wenck 178 (LPB). Ref.: Singer (1964b), Singer (1976), Wenck (2012).

Marasmius aimara Singer. *Sydowia* 18(1–6): 333 (1965).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1134 (LIL, type). Ref.: Mueller & Wu (1997), Singer (1964b), Singer (1976).

Marasmius albogriseus (Peck) Singer. *Annl. mycol.* 41(1/3): 130 (1943).= *Collybia albogrisea* Peck (1895), *Gymnopus albogriseus* (Peck) Murrill (1916), *Collybia fimicola* Earle (1904).

Dist: CO. Coll. & Num. & Herbaria: Cárdenas 243 (LIL). Ref.: Farr & Stevenson (1963), Singer (1964b), Singer (1976). Notes: In Perú, the Quechua people use this mushroom as edible.

Marasmius allocystis Singer. *Fl. Neotrop. Monogr.* 17: 206 (1976).

Dist: BE, LP. Coll. & Num. & Herbaria: R. Singer B 1875 (LPB, SFSU), Wenck 154 (LIL, type). Ref.: Singer (1964b), Singer (1976), Wenck (2012).

Marasmius amazonicus Henn. *Hedwigia* 43(3): 183 (1904).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1706 (LIL), B 1946 (LIL). Ref.: Singer (1964b), Singer (1976). Notes: The type specimen was described for the Brazilian Amazon; it was destroyed during the Second World War in Berlin.

Marasmius arborescens (Henn.) Beeli. *Bull. Soc. R. Bot. Belg.* 60(2): 156 (1928).Bas: *Collybia arborescens* Henn (1895).

Dist: LP. Coll. & Num. & Herbaria: Wenck 112 (LPB, SFSU). Ref.: Wenck (2012).

Marasmius ardosiaceus Mont. *Annl. Sci. Nat., Bot., sér.* 45: 363 (1856).= *Chamaeceras ardosiaceus* (Mont.) Kuntze (1898).

Dist: LP. Coll. & Num. & Herbaria: Wedell. Ref.: Stevenson & Cárdenas (1949), Singer (1976). Notes: NNI, HNI.

Marasmius aripoensis (Dennis) Singer. *Sydowia* 18(1–6): 188 (1965).Bas: *Marasmius trichorhizus* var. *aripoensis* Dennis (1951).

Dist: LP. Coll. & Num. & Herbaria: Wenck 58 (LPB). Ref.: Singer (1964b), Wenck (2012).

Marasmius aspilocephalus Singer. *Sydowia* 18(1–6): 176, 334 (1965).

Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2214 (LIL, type). Ref.: Singer (1964b), Singer (1966b).

Marasmius atrorubens (Berk.) Mont. *Anns Sci. Nat., Bot.*, sér. 41: 118 (1854).
 = *Agaricus atrorubens* Berk. (1842), *Androsaceus atrorubens* (Berk.) Pat. (1897), *Marasmius atrorubens* var. *atrорubens* (Berk.) Sacc. (1887), *Marasmius atrorubens* var. *dumontii* Singer (1976).
 Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1700 (LIL, type). Ref.: Singer (1976), Singer (1964b).

Marasmius bambusinus Fr. *Epacr. syst. mycol. (Upsaliae)*: 385 (1838).
 Bas: *Agaricus bambusinus* Fr. (1830).
 = *Chamaeceras bambusinus* (Fr.) Kuntze (1898).
 Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1926 (LIL), B 735 (LIL), B 944 (LIL), B 1106 (LIL), 12255 (LIL). Ref.: Singer (1964b), Singer (1976).

Marasmius bellus Berk. *Bot. Kew Gard. Misc.* 8: 139 (1856).
 = *Chamaeceras bellus* (Berk.) Kuntze (1898).
 Dist: BE, LP. Coll. & Num. & Herbaria: R. Singer B 1898 (LIL), B 669 (LIL), Wenck 52, 164 (LPB, SFSU). Ref.: Singer (1964b), Singer (1976), Wenck (2012).

Marasmius beniensis Singer. *Sydowia* 18(1–6): 261, 334 (1965).
 Dist: BE, LP. Coll. & Num. & Herbaria: R. Singer B 2000 (LIL, type), Wenck 198 (LPB, SFSU). Ref.: Singer (1964b), Singer (1966b), Wenck (2012).

Marasmius berteroi (Lév.) Murrill. *N. Amer. Fl. (New York)* 9(4): 267 (1915).
 Bas: *Heliomyces berteroi* Lév. (1844).
 Dist: LP, SC*. Coll. & Num. & Herbaria: R. Singer B 725 (LIL), Wenck 143, 184 (LPB), R.E. Halling 6427 (NY), CH 83 (USZ)*. Ref.: Singer (1964b), Singer (1976), Wenck (2012).

Marasmius berteroi var. *major* Singer. *Beih. Nova Hedwigia* 18: 249, 334 (1965).
 Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1043 (LIL), B 1394 (LIL), B 693 (LIL). Ref.: Singer (1976).

Marasmius bezerrae Singer. *Fl. Neotrop. Monogr.* 17: 185 (1976).
 = *Marasmius bezerrae* var. *chitepecensis* Singer (1976), *Marasmius bezerrae* var. *griseoferrugineus* (Singer) Singer (1976), *Marasmius leoninus* var. *griseoferrugineus* Singer (1965).
 Dist: BE. Coll. & Num. & Herbaria: R.E. Halling 6410 (LPB, NY), Singer B 1919 (LIL), B 3409 (LPB, SFSU). Ref.: Singer (1976), Wenck (2012).

Marasmius boliviae Singer. *Sydowia* 18(1–6): 196, 334 (1965).
 Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1098 (LIL, type). Ref.: Mueller & Wu (1997), Singer (1964b), Singer (1966b).

Marasmius bromeliacearum Singer. *Lilloa* 25: 212 (1952).
 Dist: LP. Coll. & Num. & Herbaria: R. Singer B 535 (LIL). Ref.: Singer (1964b).

Marasmius buzae Dennis. *Kew Bull.* 15(1): 98 (1961).
 Dist: LP. Coll. & Num. & Herbaria: R. Singer B 656 (LIL), B 1433 (LIL). Ref.: Singer (1976).

Marasmius carminis Singer. *Fl. Neotrop. Monogr.* 17: 108 (1976).
 Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1484 (LIL, type). Ref.: Singer (1976). Notes: This species was invalidly published in Singer (1965).

Marasmius cecropiae Dennis. *Kew Bull.* 15(1): 92 (1961).
 Dist: CO*OLP. Coll. & Num. & Herbaria: R. Singer B 1496 (LIL), E. Melgarejo-Estrada 109 (BAFC 53400) *, 152 (53401, USZ) *. Ref.: Mueller & Wu (1997), Singer (1964b), Singer (1976).

Marasmius chrysolepharis Singer. *Fl. Neotrop. Monogr.* 17: 237 (1976).
 Dist: BE, LP. Coll. & Num. & Herbaria: R. Singer B 1936 (LIL, type), Wenck 092 (LPB), 196 (LPB, SFSU). Ref.: Singer (1976), Wenck (2012).

Marasmius cladophyllus Berk. *Hooker's. J. Bot. Kew Gard. Misc.* 8: 138 (1856).
 = *Chamaeceras cladophyllus* (Berk.) Kuntze (1898), *Marasmius cladophyllus* var. *cladophyllus* Berk. (1856).
 Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1597 (LIL), B 1727(LIL), B 1759 (LIL), B 1829 (LIL), B 1978 (LIL), B2016 (LIL), B1884 (LIL). Ref.: Singer (1964b), Singer (1976).

- Marasmius cohortalis*** var. ***arenicolor*** Singer. *Sydowia* 12(1–6): 92 (1959).
Dist: BE, LP. Coll. & Num. & Herbaria: R. Singer B 1126 (F), Wenck 151, 158, 172 (SFSU), R.E. Halling 6422, 6374, 6387, 6428, 6430 (LPB, NY). Ref.: Mueller & Wu (1997), Singer (1976).
- Marasmius confertus*** Berk. & Broome. *J. Linn. Soc., Bot.* 14(73): 34 (1873).
= *Chamaeceras confertus* (Berk. & Broome) Kuntze (1898), *Marasmius confertus* var. *confertus* Berk. & Broome (1873), *Marasmius confertus* var. *parvisporus* Antonín (2004), *Marasmius confertus* var. *tenuicystidiatus* Antonín (2004).
Dist: BE, LP. Coll. & Num. & Herbaria: R. Singer B 1631 (LIL), B 1068 (LIL). Ref.: Mueller & Wu (1997), Singer (1964b), Singer (1976).
- Marasmius conquistensis*** Singer. *Sydowia* 18(1–6): 192, 334 (1965).
Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2190 (LIL, type). Ref.: Singer (1964b), Singer (1966b).
- Marasmius corrugatus*** (Pat.) Sacc. *Syll. fung. (Abellini)* 16: 54 (1902).
Bas: *Androsaceus corrugatus* Pat. (1900).
= *Marasmius corrugatus* var. *lacustris* Singer (1976), *Marasmius corrugatus* var. *olivaceobrunneus* Desjardin & E. Horak (1997), *Marasmius corrugatus* var. *portonovensis* Singer (1976), *Prunulus corrugatus* (Pat.) Murrill (1916).
Dist: BE, PA. Coll. & Num. & Herbaria: R. Singer B 1899 (LIL), B 2174 (LIL). Ref.: Singer (1964b), Singer (1976).
- Marasmius digilii*** Singer & Digilio. *Lilloa* 25: 201 (1952).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 668 (LIL), Wenck 14 (LPB, SFSU). Ref.: Singer (1964b), Singer (1976), Wenck (2012).
- Marasmius ditopotrama*** Singer. *Sydowia* 18(1–6): 224, 335 (1965).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2068 (LIL, type). Ref.: Singer (1964b), Singer (1976).
- Marasmius dodecaphyllus*** Singer. *Sydowia* 18(1–6): 224, 335 (1965).
Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2151 (LIL, type). Ref.: Singer (1966b). Notes: MH.
- Marasmius dysodes*** Singer. *Sydowia* 18(1–6): 130, 335 (1965).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1690 (LIL, type). Ref.: Singer (1966b). Notes: MH.
- Marasmius echinatulus*** Singer. *Sydowia* 12(1–6): 98 (1959).
= *Marasmius echinatus* Theissen ex Singer (1952) non Romell (1926), *Marasmius cohoaerens* (Pers.) Cooke & Quél. (1878).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 531 (LIL), B 532 (LIL), B 1079 (LIL). Ref.: Singer (1964b), Singer (1976).
- Marasmius edwallianus*** Henn. *Hedwigia* 39(Beibl.): (135) (1900).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1762 (LIL). Ref.: Singer (1964b).
- Marasmius epelaeus*** Singer. *Sydowia* 18(1–6): 266, 335 (1965).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 3047 (LIL, type). Ref.: Singer (1964b), Singer (1966b).
- Marasmius eucladopus*** Singer. *Sydowia* 18(1–6): 169, 338 (1965).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1478 (LIL, type). Ref.: Singer (1964b), Singer (1966b). Notes: MH.
- Marasmius ferrugineus*** Berk. *London J. Bot.* 2: 630 (1843).
= *Androsaceus ferrugineus* (Berk.) Pat. (1903), *Chamaeceras ferrugineus* (Berk.) Kuntze (1898), *Marasmius ferrugineus* Berk. var. *ferrugineus* (1843), *Marasmius ferrugineus* var. *gardneri* Singer (1976).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1270 (LIL), Wenck 150 (LPB), 181 (SFSU). Ref.: Singer (1964b), Singer (1976), Wenck (2012).
- Marasmius floriceps*** Berk. & M.A. Curtis. *J. Linn. Soc., Bot.* 10(45): 298 (1868).
Bas: *Marasmius floriceps* Berk. & M.A. Curtis (1868).
= *Chamaeceras floriceps* (Berk. & M.A. Curtis) Kuntze (1898).
Dist: BE, LP. Coll. & Num. & Herbaria: R.E. Halling 6391 (LPB, NY), Wenck 64 (LPB). Ref.: Wenck (2012).
- Marasmius fulgineorotula*** Singer. *Sydowia* 18(1–6): 174, 336 (1965).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1193 (LIL, type). Ref.: Mueller & Wu (1997), Singer (1964b), Singer (1966b).

Marasmius fuscicystis Singer. *Lilloa* 25: 187 (1952).

Dist: LP. Coll. & Num. & Herbaria: R. Singer T 802 (LIL). Ref.: Singer (1964b).

Marasmius graminum (Lib.) Berk. *Outl. Brit. Fung. (London)*: 222 (1860).

Bas: *Agaricus graminum* Lib (1832).

= *Chamaeceras graminum* (Lib.) Kuntze (1898), *Marasmius graminum* var. *brevisporus* Dennis (1951), *Marasmius graminum* var. *schini* Singer (1965), *Marasmius graminum* var. *subalpinus* Singer (1965).

Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2534 (LIL), B 2518 (LIL, type). Ref.: Singer (1964b).

Marasmius griseoroseus (Mont.) Singer. *Fl. Neotrop. Monogr.* 17: 256 (1976).

= *Agaricus griseoroseus* Mont (1856), *Dendrosarcus griseoroseus* (Mont.) Kuntze (1898), *Marasmius griseoroseus* var. *diminutus* J.S. Oliveira & Capelari (2014), *Marasmius griseoroseus* var. *griseoroseus* (Mont.) Singer (1976), *Pleurotus griseoroseus* (Mont.) Sacc. (1887).

Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2228 (LIL), B 2238 (LIL). Ref.: Singer (1964b), Singer (1976).

Marasmius griseoviolaceus Petch. *Trans. Br. mycol. Soc.* 31(1–2): 42 (1948).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1544 (LIL), B 1545 (LIL). Ref.: Singer (1964b).

Marasmius guyanensis Mont. *Annls Sci. Nat., Bot., sér.* 41: 114 (1854).

= *Chamaeceras guyanensis* (Mont.) Kuntze (1898).

Dist: BE, PA. Coll. & Num. & Herbaria: R. Singer 2305 (LIL), Wenck 121 (LPB, NY). Ref.: Singer (1964b), Wenck (2012).

Marasmius guyanensis var. *erythrocephalus* Singer. *Sydowia* 18(1–6): 186, 336 (1965).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1876 (LIL, type). Ref.: Singer (1964b), Singer (1966b).

Marasmius guyanensis var. *guayarensis* Singer. *Sydowia* 18(1–6): 187, 336 (1965).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2014 (LIL, type). Ref.: Singer (1964b), Singer (1966b).

Marasmius haedinus Berk. *Hooker's J. Bot. Kew Gard. Misc.* 8: 135 (1856).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 590 (LIL). Ref.: Singer (1964b).

Marasmius haematocephalus (Mont.) Fr. *Epicrisis Systematis mycologici (Upsaliae)*: 382 (1838).

Bas: *Agaricus haematocephalus* Mont (1837).

= *Chamaeceras haematocephalus* (Mont.) Kuntze (1898), *Marasmius haematocephalus* var. *leucophyllus* Singer (1976), *Marasmius haematocephalus* var. *macrocephalus* Singer (1965), *Marasmius haematocephalus* var. *pseudotageticolor* Singer (1959), *Marasmius haematocephalus* var. *purpureomarginatus* Singer (1965), *Marasmius haematocephalus* var. *rubicundus* Singer (1965), *Marasmius haematocephalus* var. *transiens* Singer (1965).

Dist: BE, CO*, LP, PA, SC*. Coll. & Num. & Herbaria: R. Singer B 743 (LIL, type), B 737, B 738 (LIL, type), B 739, B 670, B 670 (LIL, type), B 945, B 1963, B 1755 (LIL, paratype), B 2045 (LIL, type), B 2189 (LIL), B 2241 y B 1620, B 592 (LIL, type), Wenck 53, 62, 63, 82, 156, 157, 160, 161, 166, 173, 174, 177, 182, 191, 199 (LPB, SFSU), CH 3 (USZ)*, E. Melgarejo-Estrada 39 (USZ)*, 76 (USZ)*. Ref.: Singer (1964b), Singer (1976), Wenck (2012). Notes: The Bolivian typified for Bolivia were transferred to a species rank, so there is more than one type specimen for *M. haematocephalus*.

Marasmius helvolus Berk. *Hooker's J. Bot. Kew Gard. Misc.* 8: 136 (1856).

= *Chamaeceras helvolus* (Berk.) Kuntze (1898).

Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2235 (LIL), B 2282 (LIL). Ref.: Singer (1964b), Singer (1976).

Marasmius heterocheilus Singer. *Sydowia* 18 (1–6): 328, 337 (1965).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2076 (LIL, type). Ref.: Singer (1964b), Singer (1976).

Marasmius hioramii Murrill. *N. Amer. Fl. (New York)* 9(4): 256 (1915).

Dist: BE. Coll. & Num. & Herbaria: Singer 1936 (LIL, type). Ref.: Singer (1964b). Notes: MH.

Marasmius hioramii var. *austroamericanus* Singer. *Fl. Neotrop. Monogr.* 17: 140 (1976).

Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2499 (LIL, type). Ref.: Singer (1976).

Marasmius hyalinotrichus Singer. *Sydowia* 18(1–6): 126, 337 (1965).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1779 (LIL, type). Ref.: Singer (1964b), Singer (1966b). Notes: MH.

Marasmius hylaicola Singer. *Fl. Neotrop. Monogr.* 17: 114 (1976).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1873, B 1874 (BAFC). Ref.: Singer (1976).

Marasmius hymeniicephalus (Speg.) Singer. *Lilloa* 23: 197 (1952).

Bas: *Agaricus hymeniicephalus* Speg. (1883).

= *Heliomyces hymeniicephalus* (Speg.) Speg. (1919), *Marasmius cohortalis* var. *hymeniicephalus* (Speg.) Singer (1959).

Dist: PA, LP. Coll. & Num. & Herbaria: R. Singer B 2178 (LIL), B 782 (LIL), B 714 (LIL). Ref.: Singer (1964b), Singer (1976).

Marasmius inaequalis Berk. & M.A. Curtis. *J. Linn. Soc., Bot.* 10(45): 297 (1868).

= *Chamaeceras inaequalis* (Berk. & M.A. Curtis) Kuntze (1898).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 736 (LIL). Ref.: Singer (1964b).

Marasmius isabellinus Pat. *Bull. Soc. mycol. Fr.* 9(2): 126 (1893).

= *Chamaeceras isabellinus* (Pat.) Kuntze (1898).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 549 (LIL). Ref.: Singer (1976).

Marasmius jalapensis Murrill. *N. Amer. Fl. (New York)* 9(4): 264 (1915).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2470 (LIL). Ref.: Singer (1964b), Singer (1976).

Marasmius leoninus Berk. *Hooker's J. Bot. Kew Gard. Misc.* 8: 135 (1856).

= *Chamaeceras leoninus* (Berk.) Kuntze (1898).

Dist: BE, LP. Coll. & Num. & Herbaria: R.E. Halling 6375 (LPB), 6423 (NY), Wenck 101 (LPB), 133 (SUSF). Ref.: Wenck (2012).

Marasmius leoninus var. *leoninus* Berk. *Hooker's J. Bot. Kew Gard. Misc.* 8: 135 (1856).

Dist: BE, LP. Coll. & Num. & Herbaria: R. Singer B 1168 (LIL), B 1718 (LIL), B 1722 (LIL), B 1722a (LIL), B 1990, B 1830/1 (LIL), B 1888 (LIL), B 1896 (LIL). Ref.: Mueller & Wu (1997), Singer (1964b), Singer (1966b), Singer (1976).

Marasmius leucorotalis Singer. *Sydowia* 18(1–6): 156, 337 (1965).

= *Marasmius leucorotalis* var. *leucorotalis* Singer (1965) y *Marasmius leucorotalis* var. *discopallescens* Singer (1976).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1414 (LIL, type). Ref.: Singer (1966b).

Marasmius leucozonites Singer. *Sydowia* 18 (1–6): 163, 337 (1965).

= *Marasmius leucorotalis* var. *leucozonites* (Singer) Singer (1976).

Dist: BE. Coll. & Num. & Herbaria: Singer B 1874 (LIL), T 2018 (LIL). Ref.: Singer (1964b).

Marasmius manuripiensis Singer. *Sydowia* 18(1–6): 338 (1965).

Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2227 (LIL, type). Ref.: Singer (1966b).

Marasmius matrisdei Singer. *Sydowia* 18(1–6): 338 (1965).

Dist: BE, PA. Coll. & Num. & Herbaria: R.E. Halling 6432 (LPB, NY), R. Singer B 2523 (LIL, type). Ref.: Singer (1964b), Singer (1966b), Wenck (2012).

Marasmius megalospermus Singer. *Sydowia* 18(1–6): 338 (1965).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1927 (LIL, type), B 1928 (LIL, paratype). Ref.: Singer (1964b), Singer (1966b).

Marasmius megistosporus Singer. *Sydowia* 18(1–6): 338 (1965).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1971 (LIL, type). Ref.: Singer (1964b), Singer (1966b).

Marasmius microhaedinus Singer. *Sydowia* 18(1–6): 338 (1965).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2578 (LIL, type). Ref.: Singer (1964b), Singer (1966b).

Marasmius montagneanus Singer. *Fl. Neotrop. Monogr.* 17: 219 (1976).

= *Marasmius montagnei* Singer (1965), *Marasmius montagnei* Singer (1959).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2089 (LIL, type). Ref.: Singer (1964b), Singer (1966b).

Marasmius musicola Murrill. *N. Amer. Fl. (New York)* 9(4): 260 (1915).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 738 (LIL), B 739 (LIL), B 670 (LIL). Ref.: Singer (1964b).

Marasmius napoensis Singer. *Fl. Neotrop. Monogr.* 17: 186 (1976).

Dist: BE, LP. Coll. & Num. & Herbaria: Wenck 120 (LPB, SFSU), R.E. Halling 6417 (LPB, NY). Ref.: Wenck (2012).

- Marasmius neosessilis*** Singer. *Sydowia* 9(1–6): 392 (1955).
= *Marasmius neosessilis* var. *montepiensis* Singer (1976), *Marasmius neosessilis* var. *neosessilis* Singer (1955).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2047 (LIL). Ref.: Singer (1964b), Singer (1976).
- Marasmius nigrobrunneus*** (Pat.) Sacc. *Syll. fung. (Abellini)* 11: 37 (1895).
Bas: *Androsaceus nigrobrunneus* Pat. (1891).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1544 (LIL), B 1545 (LIL). Ref.: Singer (1976).
- Marasmius nogalesii*** Singer. *Sydowia* 18(1–6): 305, 339 (1965).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2558 (LIL, type). Ref.: Singer (1964b), Singer (1966b).
- Marasmius oleiger*** Singer. *Sydowia* 18(1–6): 293, 339 (1965).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 776 (LIL, type), B 7833 (LIL, paratype), Wenck 22, 49, 153, 155, 171, 185 (LPB, SFSU). Ref.: Singer (1964b), Singer (1966b).
- Marasmius oligocladus*** Singer. *Sydowia* 18(1–6): 190 (1965).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2330 (LIL). Ref.: Singer (1964b).
- Marasmius pallidocinctus*** Singer. *Fl. Neotrop. Monogr.* 17: 156 (1976).
= *Marasmius pallidocinctus* var. *latisporus* Singer (1976), *Marasmius pallidocinctus* var. *latisporus* Singer (1976).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 535 (LIL, type). Ref.: Singer (1964b), Singer (1966b).
- Marasmius pallipes*** Speg. *Anal. Soc. Cient. Argent.* 16(6): 272 (1883).
= *Chamaeceras pallipes* (Speg.) Kuntze (1898).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2480 (LIL). Ref.: Singer (1964b), Singer (1966b).
- Marasmius pandoanus*** Singer. *Sydowia* 18(1–6): 153, 339 (1965).
Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2145 (LIL, type). Ref.: Singer (1966b).
- Marasmius panerythrus*** Singer. *Sydowia* 18(1–6): 303, 339 (1965).
Dist: BE, PA. Coll. & Num. & Herbaria: R. Singer B 1609 (LIL, type), B 2147 (LIL). Ref.: Singer (1964b), Singer (1966b).
- Marasmius pararotula*** Singer. *Sydowia* 18(1–6): 140, 340 (1965).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1886 (LIL, type). Ref.: Singer (1966b), Singer (1964b).
- Marasmius phaeus*** Berk. & M.A. Curtis. *J. Linn. Soc., Bot.* 10(45): 298 (1868).
= *Chamaeceras phaeus* (Berk. & M.A. Curtis) Kuntze (1898).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2428 (LIL). Ref.: Singer (1964b).
- Marasmius pleuracanthus*** Singer. *Sydowia* 18(1–6): 313, 341 (1965).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1920 (LIL, type), B 1879 (LIL, paratype). Ref.: Singer (1964b), Singer (1966b). Notes: MH.
- Marasmius pluviialis*** Singer. *Sydowia* 18(1–6): 163, 341 (1965).
Dist: BE. Coll. & Num. & Herbaria: Singer B 1874 (LIL, paratype). Ref.: Singer (1964b).
- Marasmius poecilus*** Berk. *Hooker's J. Bot. Kew Gard. Misc.* 8: 137 (1856).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1981 (LIL). Ref.: Singer (1976).
- Marasmius polycystis*** Singer. *Nova Hedwigia* 29(1–2): 254 (1976).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1499 (F, type). Ref.: Singer (1976).
- Marasmius polylepdis*** Dennis. *Sydowia* 18: 341 (1965).
= *Marasmius polylepdis* var. *jujuyensis* Singer (1989).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1048 (LIL). Ref.: Mueller & Wu (1997), Singer (1964b), Singer (1976).
- Marasmius praeandinus*** Singer. *Sydowia* 18(1–6): 353 (1965).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1407 (LIL). Ref.: Singer (1976).
- Marasmius pseudocorrugatus*** Singer. *Sydowia* 18(1–6): 311, 340 (1965).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2049 (LIL, type). Ref.: Singer (1964b), Singer (1966b).

Marasmius pseudoniveus Singer. *Sydowia* 18(1–6): 328, 340 (1965).

= *Marasmius pseudoniveus* var. *pseudoniveus* Singer (1976), *Marasmius pseudoniveus* var. *amylocystis* Singer (1976).

Dist: BE. Coll. & Num. & Herbaria: R. Singer 1648 (LIL, type). Ref.: Mueller & Wu (1997), Singer (1964b), Singer (1966b).

Marasmius pusio Berk. & M.A. Curtis. *Ann. Mag. nat. Hist., Ser.* 212: 426–326 (1853).

= *Chamaeceras pusio* (Berk. & M.A. Curtis) Kuntze (1898), *Marasmius pusio* var. *graminivorus* Singer (1976), *Marasmius pusio* var. *poliobasis* Singer (1964b), *Marasmius pusio* var. *pusio* Berk. & M.A. Curtis (1853).

Dist: BE, LP, PA. Coll. & Num. & Herbaria: R. Singer B 722 (LIL, type), B 2566 (LIL), B 2172 (LIL). Ref.: Singer (1964b), Singer (1966b), Singer (1976). Notes: MH.

Marasmius puttemansii Henn. *Hedwigia* 43(3): 203 (1904).

= *Acanthocystis puttemansii* (Henn.) Singer (1942), *Marasmius puttemansii* var. *oligocladus* Singer (1976), *Marasmius puttemansii* var. *puttemansii* Henn. (1904), *Marasmius puttemansii* var. *subtrichorrhizus* Singer (1965).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2330 (LIL, type). Ref.: Singer (1976). Notes: MH.

Marasmius rhabarbarinus Berk. *Hooker's J. Bot. Kew Gard. Misc.* 8: 135 (1856).

Dist: LP. Coll. & Num. & Herbaria: Wenck 41 (LPB, NY). Ref.: Wenck (2012).

Marasmius rhizomorpogeton (Singer) Singer. *Fl. Neotrop. Monogr.* 17: 150 (1976).

Bas: *Marasmius equicrinis* var. *rhizomorpogeton* Singer (1965).

= *Marasmius rhizomorpogeton* f. *arrhizomorphicus* Singer (1976).

Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2518 (LIL), B 2531 (LIL, type). Ref.: Singer (1964b), Singer (1966b).

Marasmius robertsonii Singer. *Sydowia* 18(1–6): 199, 342 (1965).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2349 (LIL, type). Ref.: Singer (1964b), Singer (1966b).

Marasmius rotalis Berk. & Broome. *J. Linn. Soc., Bot.* 14(73): 40 (1873).

= *Chamaeceras rotalis* (Berk. & Broome) Kuntze (1898), *Marasmius rotalis* var. *latisporus* Antonín (2004).

Dist: BE. Coll. & Num. & Herbaria: Singer B 1691 (LIL). Ref.: Singer (1964b).

Marasmius ruber Singer. *Sydowia* 18(1–6): 263, 342 (1965).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1638 (LIL, type). Ref.: Singer (1964b), Singer (1966b).

Marasmius rubricosus Mont. *Annls Sci. Nat., Bot., sér.* 41: 110 (1854).

= *Chamaeceras rubricosus* (Mont.) Kuntze (1898).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1984 (LIL). Ref.: Singer (1964b), Singer (1976).

Marasmius rubromarginatus Dennis. *Trans. Br. mycol. Soc.* 34(4): 415 (1951).

= *Marasmius rubromarginatus* var. *albilamellatus* Singer (1989), *Marasmius rubromarginatus* var. *rubromarginatus* Dennis (1951).

Dist: BE, LP. Coll. & Num. & Herbaria: R. Singer B 2565 (LIL), Wenck 149 (LPB, SFSU). Ref.: Singer (1964b), Singer (1976), Wenck (2012).

Marasmius scotophysinus Singer. *Sydowia* 18(1–6): 135, 342 (1965).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1444 (LIL, type). Ref.: Mueller & Wu (1997), Singer (1964b), Singer (1966b).

Marasmius sejunctus Singer. *Fl. Neotrop. Monogr.* 17: 260 (1976).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 980 (F, type). Ref.: Singer (1976).

Marasmius sessiliaffinis Singer. *Sydowia* 12(1–6): 81 (1959).

= *Marasmius spaniophyllus* var. *sessiliaffinis* (Singer) Singer (1965).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1666 (LIL). Ref.: Singer (1964b), Singer (1976).

Marasmius setulosifolius Singer. *Sydowia* 18(1–6): 312, 343 (1965).

= *Marasmius setulosifolius* Singer (1959).

Dist: BE, LP. Coll. & Num. & Herbaria: R. Singer B 1649 (LIL, type), Wenck 165 (LPB), R.E. Halling 6421 (NY), 6426 (SFSU). Ref.: Singer (1964b), Singer (1966b).

- Marasmius silvicola*** Singer & Digilio. *Lilloa* 25: 199 (1952).
Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2220 (LIL). Ref.: Singer (1964b), Singer (1976).
- Marasmius spegazzinii*** (Kuntze) Sacc. & P. Syd. *Syll. fung. (Abellini)* 14(1): 117 (1899).
Bas: *Chamaeceras spegazzinii* Kuntze. (1898).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1636 (LIL), B 1693 (LIL), B 1723 (LIL). Ref.: Singer (1976).
- Marasmius spiculosus*** Singer. *Sydowia* 18(1–6): 314, 343 (1965).
Dist: LP, BE. Coll. & Num. & Herbaria: R. Singer B 1206 (LIL, type), R.E. Halling 6431 (NY), 6390 (LPB, NY). Ref.: Mueller & Wu (1997), Singer (1966b), Singer (1964b), Singer (1976).
- Marasmius splitgerberi*** (Mont.) Singer. *Sydowia* 18(1–6): 353 (1965).
Bas: *Agaricus splitgerberi* Mont. (1842).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1595 (LIL). Ref.: Singer (1976).
- Marasmius subrotula*** Murrill. *N. Amer. Fl. (New York)* 9(4): 259 (1915).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1595 (LIL). Ref.: Singer (1964b).
- Marasmius tageticolor*** Berk. *Hooker's J. Bot. Kew Gard. Misc.* 8: 136 (1856).
= *Chamaeceras tageticolor* (Berk.) Kuntze (1898).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1981 (LIL). Ref.: Singer (1964b).
- Marasmius tanyspermus*** Singer. *Sydowia* 18(1–6): 157, 343 (1965).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2052 (LIL, type). Ref.: Singer (1966b).
- Marasmius tenuissimus*** (Jungh.) Singer. *Fl. Neotrop. Monogr.* 17: 258 (1976).
Bas: *Agaricus tenuissimus* Jungh (1838).
= *Dendrosarcus tenuissimus* (Jungh.) Kuntze (1898), *Pleurotus tenuissimus* (Jungh.) Sacc. (1887).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1975 (LIL). Ref.: Singer (1976).
- Marasmius tereticeps*** Singer. *Sydowia* 18(1–6): 170, 343 (1965).
Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2299 (LIL, type). Ref.: Singer (1966b), Singer (1964b). Notes: MH.
- Marasmius tetrachrous*** Singer. *Fl. Neotrop. Monogr.* 17: 117 (1976).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1528 (LIL, type), B 1465 (LIL), B 1530 (LIL). Ref.: Mueller & Wu (1997), Singer (1966b), Singer (1964b).
- Marasmius trinitatis*** Dennis. *Trans. Br. mycol. Soc.* 34(4): 425 (1951).
Dist: BE, PA, LP. Coll. & Num. & Herbaria: R. Singer B 1883 (LIL), B 2554 (LIL), B 2225 (LIL), Wenck 163 (LPB, SFSU). Ref.: Singer (1964b), Wenck (2012).
- Marasmius trinitatis* var. *immarginatus*** Singer. *Sydowia* 18:344 (1965).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1883 (LIL, type). Ref.: Singer (1964b), Singer (1966b).
- Marasmius trinitatis* var. *trinitatis*** Dennis. *Trans. Br. mycol. Soc.* 34(4): 425 (1951).
Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2225 (LIL), B 2166 (LIL). Ref.: Singer (1976).
- Marasmius ustilago*** Singer. *Sydowia* 18(1–6): 215, 344 (1965).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1870 (LIL, type). Ref.: Singer (1964b), Singer (1966b).
- Marasmius variabiliceps*** Singer. *Sydowia* 18(1–6): 165, 344 (1965).
= *Marasmius variabiliceps* var. *derubicans* Singer (1965), *Marasmius heptachroinus* Singer (1965), *Marasmius separatus* Singer (1965), *Marasmius mesites* Singer (1965), *Marasmius derubicans*, *Marasmius nothoteticeps* Singer (1965), *Marasmius tucumanensis* Singer (1965), *Marasmius variabiliceps* Singer (1965).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1531 (LIL, type), B 800a (LIL, paratype), Wenck 114 (LBP, SFSU).
Ref.: Mueller & Wu (1997), Singer (1976), Singer (1966b), Wenck (2012).
- Marasmius velutipes*** Berk. & M.A. Curtis. *Ann. Mag. nat. Hist., Ser.* 34: 294 (1859).
Bas: *Chamaeceras velutipes* (Berk. & M.A. Curtis) Kuntze (1898).
Dist: TA. Coll. & Num. & Herbaria: R. E. Fries S351 (S-F 210269). Ref.: Swedish Herbarium database (S).
- Marasmius venezuelanus*** Dennis. *Kew Bull.* 15(1): 97 (1961).

Dist: BE. Coll. & Num. & Herbaria: R.E. Halling 6420 (LPB, NY). Ref.: Wenck (2012). Notes: NVP.

Marasmius vigintifolius Singer. *Sydowia* 18(1-6): 164, 345 (1965).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 871 (LIL, type), Wenck 221 (LPB, SFSU). Ref.: Singer (1964b), Singer (1966b), Wenck (2012).

Marasmius yarizae Singer. *Sydowia* 18(1-6): 308, 345 (1965).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1369 (LIL), B 1194 (LIL), B 1489 (LIL, type). Ref.: Singer (1964b), Singer (1966b).

Moniliophthora H.C. Evans, Stalpers, Samson & Benny

Moniliophthora pernicioso (Stahel) Aime & Phillips-Mora. *Mycologia* 97 (5): 1021 (2006).

Bas: *Marasmius perniciosus* Stahel (1915).

= *Crinipellis pernicioso* (Stahel) Singer (1943), *Crinipellis pernicioso* var. *citriniceps* Pegler (1978), *Crinipellis pernicioso* var. *ecuadorensis* (Stahel) Pegler (1978), *Marasmius perniciosus* var. *ecuadorensis* Stahel (1915).

Dist: BE, CO, SC. Coll. & Num. & Herbaria: NI. Ref.: Farr & Stevenson (1963). Notes: CNI, NNI, HNI.

Pleurocybella Singer

Pleurocybella tropicalis (Singer) Raithehl. *Metrodiana* 20(4): 178 (1993).

Bas: *Nothopanus tropicalis* Singer (1973).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2081 (LIL; BAFC, type). Ref.: Singer (1973).

Tetrapyrgos E. Horak

Tetrapyrgos alba (Berk. & M.A. Curtis) E. Horak. *Sydowia* 39: 101 (1987).

Bas: *Laschia alba* Berk. & M.A. Curtis (1868).

= *Campanella alba* (Berk. & M.A. Curtis) Singer (1945), *Favolaschia alba* (Berk. & M.A. Curtis) Kuntze (1898), *Pterospora alba* (Berk. & M.A. Curtis) E. Horak (1983).

Dist: LP, CO*. Coll. & Num. & Herbaria: R. Singer 1546 (LIL), E. Melgarejo-Estrada 86 (USZ)*. Ref.: Honan et al. (2015), Mueller & Wu (1997).

Tetrapyrgos longicystidiata Honan, Desjardin & T.J. Baroni. *Phytotaxa* 231(2): 108 (2015).

Dist: BE. Coll. & Num. & Herbaria: R.E. Halling 6276 (NY). Ref.: Honan et al. (2015).

Tetrapyrgos reducta (Singer) E. Horak. *Sydowia* 39: 102 (1987).

Bas: *Marasmiellus reductus* Singer (1973).

= *Pterospora reducta* (Singer) E. Horak (1983).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1266 (F, type). Ref.: Honan et al. (2015), Singer (1973b).

Trogia Fr.

Trogia cantharelloides (Mont.) Pat. *Essai Tax. Hyménomyc. (Lons-le-Saunier)*: 129 (1900).

Bas: *Panus cantharelloides* Mont. (1854).

= *Pocillaria cantharelloides* (Mont.) Kuntze (1898).

Dist: NI. Coll. & Num. & Herbaria: J. Gomez y Moreno-Arroyo 11 (AMSS). Ref.: Moreno-Arroyo et al. (2001).

Trogia papyracea (Berk. & M.A. Curtis) Corner. *Monogr. Cantharelloid Fungi*: 229 (1966).

Bas: *Craterellus papyraceus* Berk. & M.A. Curtis (1857).

= *Hymenogloea papyracea* (Berk. & M.A. Curtis) Singer (1951), *Trombetta papyracea* (Berk. & M.A. Curtis) Kuntze (1891).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1219 (LIL), B 1537 (LIL). Ref.: Farr & Stevenson (1963), Mueller & Wu (1997), Singer (1960b).

Mycenaceae

Hemimycena Singer

Hemimycena angusta Singer. *Sydowia* 15(1-6): 60 (1962).

= *Helotium angustum* (Singer) Redhead (1982).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 631 (LIL, type). Ref.: Singer (1961).

Hemimycena epibiotica Singer. *Sydowia* 15(1-6): 61 (1962).

= *Helotium epibioticum* (Singer) Redhead (1982).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1146 (LIL, type). Ref.: Mueller & Wu (1997), Singer (1961).

Hemimycena longicystis R. Heim. *Sydowia* 15(1–6): 61 (1962).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 707 (LIL, type). Ref.: Singer (1961).

Mycena (Pers.) Roussel

Mycena carminis Singer. *Beih. Sydowia* 7: 39 (1973).

Dist: LP. Coll. & Num. & Herbaria: R. Singer (LIL, type). Ref.: Mueller & Wu (1997), Singer (1973).

Mycena citricolor (Berk. & M.A. Curtis) Sacc. *Syll. fung. (Abellini)* 5: 263 (1887).

Bas: *Agaricus citricolor* Berk. & M.A. Curtis (1868).

= *Mycena flavida* (Maubl. & Rangel) Singer (1951), *Mycena tricolor* Velen (1920), *Omphalia citricolor* (Berk. & M.A. Curtis) Rick (1938), *Omphalia flavida* Maubl. & Rangel (1914), *Omphalopsis citricolor* (Berk. & M.A. Curtis) Murrill (1916), *Sphaerostilbe flavida* Masee (1909).

Dist: LP. Coll. & Num. & Herbaria: M. Cárdenas. Ref.: Stevenson & Cárdenas (1949). Notes: NNI, HNI.

Mycena cyanescens (Mont.) Sacc. *Syll. fung. (Abellini)* 5: 262 (1887).

Bas: *Agaricus cyanescens* Mont. (1856).

Dist: LP. Coll. & Num. & Herbaria: Weddell. Ref.: Stevenson & Cárdenas (1949). Notes: NNI, HNI.

Mycena griseorete Singer. *Sydowia* 15(1–6): 64 (1962).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 566 (LIL, type). Ref.: Singer (1961).

Mycena ixoleuca Singer. *Beih. Sydowia* 7: 41 (1973).

Dist: BE. Coll. & Num. & Herbaria: R. Singer (BAFC, type). Ref.: Mueller & Wu (1997), Singer (1973). Notes: NNI.

Mycena leucoxantha Singer. *Beih. Sydowia* 7: 42 (1973).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 742 (LIL; BAFC, type). Ref.: Singer (1973).

Mycena rosaceifolia Singer. *Beih. Sydowia* 7: 47 (1973).

Dist: LP. Coll. & Num. & Herbaria: R. Singer T 1102 (BAFC, type). Ref.: Singer (1973).

Mycena sotae Singer. *Sydowia* 15(1–6): 62 (1962).

Dist: LP. Coll. & Num. & Herbaria: R. Singer & E. R. de la Sota B 1073 (LIL, type). Ref.: Mueller & Wu (1997), Singer (1961).

Panellus P. Karst.

Panellus pusillus (Pers. ex Lév.) Burds. & O.K. Mill. *Beih. Nova Hedwigia* 51: 85 (1975).

Bas: *Gloeoporus pusillus* Pers. ex Lév. (1844).

= *Dictyopanus copelandii* Pat. (1914), *Dictyopanus pusillus* (Pers. ex Lév.) Singer (1945), *Dictyopanus pusillus* var. *pseudorhipidium* Singer (1953), *Dictyopanus pusillus* var. *rhipidium* (Berk.) Singer (1945), *Laschia guaranitica* Speg. (1884), *Panellus copelandii* (Pat.) Burds. & O.K. Mill. (1975).

Dist: SC*, TA. Coll. & Num. & Herbaria: R. E. Fries 334 (S-F 271584), E. Melgarejo-Estrada 207 (USZ)*. Ref.: Swedish Herbarium database (S).

Xeromphalina Kühner & Maire

Xeromphalina yungensis Singer. *Fieldiana, Bot.* 21: 89 (1989).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 795 (F, type). Ref.: Index Fungorum (2019), Singer (1989).

Omphalotaceae

Gymnopus (Pers.) Roussel

Gymnopus aurantiacus Murrill. *Bull. Torrey bot. Club* 66: 157 (1939).

= *Collybia aurantiaca* (Murrill) Murrill (1939), *Marasmius aurantiacus* (Murrill) Singer (1965), *Marasmius corrugatus* var. *aurantiacus* (Murrill) Singer (1976).

Dist: LP. Coll. & Num. & Herbaria: Wenck 170 (LPB, SFSU). Ref.: Singer (1964b), Wenck (2012).

Gymnopus montagnei (Berk.) Redhead. *Index Fungorum* 148:1 (2014).

Bas: *Hypolyssus montagnei* Berk. (1842).

= *Caripia montagnei* (Berk.) Kuntze (1898).

Dist: LP. Coll. & Num. & Herbaria: A. M. Bang (S-F 274248) Ref.: Swedish Herbarium database (S).

Gymnopus neotropicus (Singer) J.L. Mata. *Mycotaxon* 86: 313 (2003).

Bas: *Collybia neotropica* Singer (1962).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1173 (LIL, type). Ref.: Mueller & Wu (1997), Singer (1961).

Gymnopus omphalodes (Berk.) Halling & J.L. Mata. *Fungal Diversity* 16: 122 (2004).

Bas: *Marasmius omphalodes* Berk. (1856).

= *Collybia omphalodes* (Berk.) Dennis. (1951).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2091 (F). Ref.: Singer (1973b).

Marasmiellus Murrill

Marasmiellus ambiguus Singer. *Atas Inst. Micol. Univ. Pernambuco* 2: 25 (1965).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2098 (BAFC, LIL). Ref.: Singer (1973b).

Marasmiellus alvaradoi Singer. *Beih. Nova Hedwigia* 44: 322 (1973).

= *Marasmiellus alvaradoi* var. *filicinus* Singer (1976).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 721 (F, type). Ref.: Singer (1973b).

Marasmiellus aporposeptus Singer. *Beih. Nova Hedwigia* 44: 323 (1973).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1447 (F). Ref.: Singer (1973b).

Marasmiellus aquilus Singer. *Beih. Nova Hedwigia* 44: 323 (1973).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1635 (F, type). Ref.: Singer (1973b).

Marasmiellus brunneomarginatus Singer. *Beih. Nova Hedwigia* 44: 324 (1973).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 255 (LIL; BAFC, type). Ref.: Singer (1973b).

Marasmiellus coilobasis (Berk.) Singer. *Beih. Nova Hedwigia* 44: 30 (1973).

Bas: *Chamaeceras coilobasis* (Berk.) Kuntze (1898).

= *Marasmius coilobasis* Berk. (1956).

Dist: BE, LP. Coll. & Num. & Herbaria: R. Singer B 3490 (LIL; BAFC, type), B 707 (LIL). Ref.: Singer (1973b).

Marasmiellus dendroegrus Singer. *Beih. Nova Hedwigia* 44: 326 (1973).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2384 (LIL, type). Ref.: Singer (1973b). Notes: MH.

Marasmiellus devenulatus Singer. *Sydowia* 15 (1–6): 57 (1962).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2417 (LIL, type). Ref.: Singer (1961), Singer (1973b).

Marasmiellus distantifolius (Murrill) Singer. *Sydowia* 15(1–6): 58 (1962).

Bas: *Scytinotus distantifolius* Murrill. (1915).

= *Marasmius distantifolius* (Murrill) Murrill (1915), *Pleurotus distantifolius* (Murrill) Dennis (1953).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 955 (F), B 939 (F), B 1435 (F). Ref.: Singer (1961), Singer (1973b).

Marasmiellus eburneus (Theiss.) Singer. *Sydowia* 15(1–6): 57 (1962).

Bas: *Marasmius eburneus* Theiss. (1909).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1750 (F), B 1665 (F), B 2092 (F), B 2010 (F). Ref.: Singer (1973b).

Marasmiellus elongatisporus Singer. *Beih. Nova Hedwigia* 44: 326 (1973).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1452 (F, type). Ref.: Mueller & Wu (1997), Singer (1973b).

Marasmiellus gilvus var. *bambusearum* Singer. *Beih. Nova Hedwigia* 44: 327 (1973).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 643 (LIL, type). Ref.: Singer (1973). Notes: MH.

Marasmiellus gilvus var. *chusquearum* Singer. *Beih. Nova Hedwigia* 44: 327 (1973).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 655 (BAFC; LIL, type). Ref.: Singer (1973b).

- Marasmiellus gilvus* var. *minusculus* Singer. *Beih. Nova Hedwigia* 44: 327 (1973).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 745a (BAFC; LIL, type). Ref.: Singer (1973b).
- Marasmiellus inodermatoides* Singer. *Beih. Nova Hedwigia* 44: 332 (1973).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1720 (F, type). Ref.: Singer (1973b).
- Marasmiellus juniperinus* Murrill. *N. Amer. Fl. (New York)* 9 (4): 243 (1915).
= *Gymnopus juniperinus* (Murrill) J.L. Mata & R.H. Petersen (2004), *Marasmiellus juniperinus* var. *gilvoides* Singer (1976), *Marasmiellus juniperinus* var. *radicicola* Singer (1973), *Marasmius juniperinus* (Murrill) Murrill (1915).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1445 (F, type). Ref.: Mueller & Wu (1997), Singer (1973b).
- Marasmiellus minutus* Singer. *Beih. Nova Hedwigia* 44: 328 (1973).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1446 (F, type). Ref.: Mueller & Wu (1997), Singer (1973b).
- Marasmiellus musacearum* Singer. *Beih. Nova Hedwigia* 44: 329 (1973).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2022 (F, type). Ref.: Singer (1973b).
- Marasmiellus nigripes* var. *nigripes* (Fr.) Singer. *Pap. Mich. Acad. Sci.* 32(1): 130 (1948).
Dist: BE, LP. Coll. & Num. & Herbaria: R. Singer B 957 (F), B 1498 (LIL), B 1911 (F), B 1911a (F). Ref.: Singer (1973b).
- Marasmiellus orinocensis* Singer. *Beih. Nova Hedwigia* 44: 329 (1973).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2324 (F, type). Ref.: Singer (1973b).
- Marasmiellus pandoensis* Singer. *Beih. Nova Hedwigia* 44: 329 (1973).
Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2160 (MICH, type). Ref.: Singer (1973b). Notes: MH.
- Marasmiellus pilosus* (Dennis) Singer. *Beih. Nova Hedwigia* 44: 77 (1973).
Bas: *Collybia pilosa* Dennis (1951).
= *Collybia pilosa* var. *denticulate* Dennis (1951).
Dist: BE, LP. Coll. & Num. & Herbaria: R. Singer B 1932 (F), B 692 (BAFC). Ref.: Singer (1973b).
- Marasmiellus riberaltensis* Singer. *Beih. Nova Hedwigia* 44: 331 (1973).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2324 (F, type). Ref.: Singer (1973b).
- Marasmiellus segregabilis* Singer. *Beih. Nova Hedwigia* 44: 332 (1973).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1163 (MICH, type). Ref.: Mueller & Wu (1997), Singer (1973b).
- Marasmiellus sprucei* (Berk.) Singer. *Sydowia* 9(1–6): 387 (1955).
Bas: *Agaricus sprucei* Berk. (1851).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2323 (F), B 835 (LIL). Ref.: Singer (1973b). Notes: NVP.
- Marasmiellus stenocystis* Singer. *Beih. Nova Hedwigia* 44: 326 (1973).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 732 (F, type). Ref.: Singer (1973b).
- Marasmiellus stenosporus* Singer. *Beih. Nova Hedwigia* 44: 332 (1973).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2080 (F, type). Ref.: Singer (1973b).
- Marasmiellus stenophylloides* (Dennis) Dennis. *Kew Bull.*, Addit. Ser.3: 31 (1970).
Bas: *Crinipellis stenophylloides* Dennis (1951).
= *Marasmiellus stenophylloides* f. *bispora* Singer (1977).
Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1568 (BAFC). Ref.: Singer (1973b).
- Marasmiellus subcoracinus* (Berk. & M.A. Curtis) Singer. *Sydowia* 15: 57 (1962).
Bas: *Marasmius subcoracinus* Berk. & M.A. Curtis (1868).
= *Chamaeceras subcoracinus* (Berk. & M.A. Curtis) Kuntze (1898), *Collybia subcoracina* (Berk. & M.A. Curtis) Dennis (1951), *Marasmiellus subcoracinus* (Berk. & M.A. Curtis) Singer (1955), *Marasmiellus subcoracinus* subsp. *montanus* Singer (1973), *Marasmiellus subcoracinus* var. *montanus* (Singer) Blanco-Dios (2018).
Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1473 (BAFC, type). Ref.: Singer (1973b).
- Marasmiellus segregabilis* Singer. *Beih. Nova Hedwigia* 44: 332 (1973).

Dist: NI. Coll. & Num. & Herbaria: NI. Ref.: Index Fungorum (2019). Notes: CNI, NNI, HNI. Some species are proposed within the *Omphalotaceae* family.

Marasmiellus tenerrimus (Berk. & M.A. Curtis) Singer. *Beih. Nova Hedwigia* 44: 80 (1973).

Bas: *Marasmius tenerrimus* Berk. & M.A. Curtis (1868).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1367 (BAFC). Ref.: Singer (1973b).

Marasmiellus tropicalis (Speg.) Singer. *Lilloa* 23: 189 (1952).

Bas: *Pleurotus tropicalis* Speg. (1888).

= *Dendrosarcus tropicalis* (Speg.) Kuntze. (1898).

Dist: BE, LP. Coll. & Num. & Herbaria: R. Singer B 1537 (LIL), B 809 (LIL), B 1593 (LIL). Ref.: Singer (1973b).

Marasmiellus troyanus (Murrill) Dennis. *Kew Bull., Addit. Ser.* 3: 31 (1970).

Bas: *Marasmius troyanus* Murrill. (1915).

= *Collybia troyana* (Murrill) Dennis. (1951).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1837 (BAFC, LIL). Ref.: Singer (1973b).

Setulipes Antonín

Setulipes hakgalensis (Petch) Antonín. *Mycotaxon* 88: 77 (2003).

Bas: *Marasmius hakgalensis* Petch (1948).

= *Marasmius hakgalensis* var. *denudatus* Petch. (1948).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1776 (LIL), B 1779 (LIL), B 2094 (LIL). Ref.: Singer (1964b), Singer (1976). Notes: The position of this genus is conflictive; some authors include it in *Marasmiaceae* family, others in *Omphalotaceae*.

Porotheleaceae

Phloeomana neospeirea (Singer) Gminder. *Index Fungorum* 302: 1 (2016)

Bas: *Mycena neospeirea* Singer (1973).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1023 (BAFC, type). Ref.: Mueller & Wu (1997), Singer (1973). Notes: Currently, this species is classified within the family *Porotheleaceae*.

Physalacriaceae

Armillaria (Fr.) Staude

Armillaria alphitophylla (Berk. & M.A. Curtis) Murrill. *N. Amer. Flora* 10(1):39 (1917).

Bas: *Agaricus alphitophyllus* Berk. & M.A. Curtis (1860).

= *Chamaemyces alphitophyllus* (Berk. & M.A. Curtis) Earle. (1909), *Collybia alphitophylla* (Berk. & M.A. Curtis) S. Ito & S. Imai. (1939), *Oudemansiella alphitophylla* (Berk. & M.A. Curtis) Boedijn. (1940).

Dist: NI. Coll. & Num. & Herbaria: Mulford. Ref.: Stevenson & Cárdenas (1949). Notes: NNI, HNI.

Armillariella (P. Karst.) P. Karst.

Armillariella yungensis (Singer) Herink. *Symposium o Václavce Obecné Armillaria mellea (Vahl ex Fr.) Kumm. (Brno)*: 43 (1973).

Bas: *Armillariella yungensis* Singer (1970).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1268 (LIL, type). Ref.: Mueller & Wu (1997), Singer (1970). Notes MH.

Cyptotrama Singer

Cyptotrama macrobasidia Singer. *Lilloa* 30: 376 (1960).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 577 (LIL, type). Ref.: Farr & Stevenson (1963), Singer (1960a), Singer (1964b). Notes: MH.

Cryptomarasmius T.S. Jenkinson & Desjardin

Cryptomarasmius ilicis (Singer) T.S. Jenkinson & Desjardin. *Mycologia* 106(1): 92 (2014).

Bas: *Marasmius ilicis* Singer (1954).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 758 (LIL). Ref.: Singer (1976).

Dactylosporina (Cléménçon) Dörfelt

Dactylosporina macracantha (Singer) Dörfelt. *Feddes Repert. Spec. Nov. Regni Veg.* 96(3): 237 (1985).

Bas: *Oudemansiella macracantha* Singer (1962).

= *Xerula macracantha* (Singer) Boekhout & Bas (1986).

Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2525 (LIL, type). Ref.: Singer (1961).

Dactylosporina steffenii (Rick) Dörfelt. *Feddes Repert. Spec. Nov. Regni Veg.* 96(3): 237 (1985).

Bas: *Tricholoma steffenii* Rick (1930).

= *Oudemansiella steffenii* (Rick) Singer (1954), *Xerula steffenii* (Rick) Boekhout & Bas (1986).

Dist: BE, SC*. Coll. & Num. & Herbaria: R. Singer B 2428 (F), CH 23 (USZ)*, CH 84 (USZ)*. Ref.: Pegler (1997), Wartchow (2014).

Gloiocephala Massee

Gloiocephala inobasis Singer. *Sydowia* 14(1–6): 263, 277 (1960).

Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2296 (LIL, type). Ref.: Farr & Stevenson (1963), Singer (1960b).

Gloiocephala lamellosa Singer. *Sydowia* 14(1–6): 265, 278 (1960).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 15285 (LIL, type). Ref.: Farr & Stevenson (1963), Mueller & Wu (1997), Singer (1960b).

Gloiocephala longifimbriata Singer. *Sydowia* 14(1–6): 266, 278 (1960).

Dist: PA. Coll. & Num. & Herbaria: R. Singer T 2146 (LIL). Ref.: Farr & Stevenson (1963), Singer (1960b).

Gloiocephala palmarum Singer. *Sydowia* 14(1–6): 264, 277 (1960).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1744, B 2093 (LIL, type). Ref.: Farr & Stevenson (1963), Singer (1960b).

Oudemansiella Speng.

Oudemansiella canarii (Jungh.) Höhn. *Sber. Akad. Wiss. Wien, Math.-naturw. Kl., Abt. 1.* 118: 276 (1909).

Bas: *Agaricus canarii* Jungh. (1838).

= *Amanitopsis canarii* (Jungh.) Sacc. (1887).

Dist: NI, SC*. Coll. & Num. & Herbaria: NI, E. Melgarejo-Estrada 272 (USZ)*. Ref.: Farr & Stevenson (1963). Notes: CNI, NNI, HNI.

Oudemansiella cephalocystidiata (R.H. Petersen & Aime) Wartchow. *Mycosphere* 5(3): 702 (2014).

= *Dactylosporina cephalocystidiata* R.H. Petersen & Aime (2010).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1488 (F). Ref.: Wartchow (2014), Wartchow et al. (2014).

Pleurotaceae

Pleurotus (Fr.) P. Kumm.

Pleurotus djamor (Rumph. ex Fr.) Boedijn. *Rumphius Memorial Volume*: 292 (1959).

Bas: *Agaricus djamor* Rumph. ex Fr. (1821).

= *Agaricus djamor* Rumph. (1750), *Agaricus leptogramme* Berk. & Broome (1871), *Pleurotus djamor* var. *fuscopruinosus* Corner (1981), *Pleurotus djamor* var. *fuscroseus* Corner (1981), *Pleurotus djamor* var. *roseus* Corner (1981), *Pleurotus djamor* var. *terricola* Corner (1981).

Dist: NI, CO*. Coll. & Num. & Herbaria: J. Gomez y Moreno-Arroyo (AMSS 04), E. Melgarejo-Estrada 46 (USZ)*. Ref.: Moreno-Arroyo et al. (2001). Notes: NNI.

Pterulaceae

Pterula Fr.

Pterula bromeliphila Corner. *Beih. Nova Hedwigia* 33: 210 (1970).

Dist: NI. Coll. & Num. & Herbaria: NI. Ref.: Index Fungorum (2019). Notes: CNI, NNI, HNI.

Schizophyllaceae

Schizophyllum Fr.

Schizophyllum commune Fr. *Observ. mycol. (Havniae)* 1: 103 (1815).

= *Agaricus alneus* L. (1755), *Agaricus alneus* Reichard (1780), *Schizophyllum alneum* (L.) J. Schröt. (33–40): 553 (1889), *Schizophyllum alneum* Kuntze (1898), *Schizophyllum commune* f. *stipitatum* L. Krieg. (1922), *Schizophyllum commune* var. *longii* Parisi (1934), *Schizophyllum commune* var. *palmatum* Debeaux (1880).

Dist: CO*, NI, SC*. Coll. & Num. & Herbaria: NI. CH 41 (USZ)*, 90 (USZ)*, E. Melgarejo-Estrada 84 (USZ)*, 164 (USZ)*, 205 (USZ)*. Ref.: Farr & Stevenson (1963). Notes: CNI, NNI, HNI.

Tricholomataceae**Clitocybe** (Fr.) Staude

Clitocybe cabreræ Raithelh. *Metrodiana* 18(1–2): 16 (1990).

= *Clitocybe lignicola* Singer (1973), *Rickenella lignicola* Raithelh. (1984).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1900 (LIL, type). Ref.: CABI Bioscience (2019), Singer (1973). Notes: MH; Sánchez-García et al. (2014) propose this genus in “residual Tricholomatoid clade”.

Clitocybe dennisii (Singer) Raithelh. *Metrodiana* 4(4): 66 (1973).

Bas: *Gerronema dennisii* Singer (1964).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1056 (BAFC, type). Ref.: Mueller & Wu (1997), Singer (1964b).

Clitocybe fimbriata (Bolton) P. Karst. *Bidr. Känn. Finl. Nat. Folk* 32: 86 (1879).

Bas: *Agaricus fimbriatus* Bolton (1788).

= *Agaricus lobatus* var. *fimbriatus* (Bolton) Pers. (1828), *Pleurotus fimbriatus* (Bolton) Sacc. (1887), *Pleurotus fimbriatus* var. *regularis* Kauffman (1918).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2008 (LIL; BAFC, type). Ref.: Singer (1978).

Clitocybe leptosarca (Singer) Raithelh. *Metrodiana* 4(4): 63 (1973).

Bas: *Gerronema leptosarcum* Singer (1964).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1602 (BAFC, type). Ref.: Singer (1964b).

Collybia (Fr.) Staude

Collybia gilva (Pat.) Singer. *Lilloa* 22: 201 (1951).

Bas: *Marasmius gilvus* Pat. (1893).

= *Chamaeceras gilvus* (Pat.) Kuntze (1898), *Collybia gilva* (Pat.) Singer (1951), *Marasmiellus gilvus* (1955).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 655, B 745a (LIL, type), B 518 (BAFC, LIL), B 894 (F). Ref.: Singer (1973b). Notes: MH; Sánchez-García et al. (2014) propose this genus in “residual Tricholomatoid clade”.

Collybia ixotrama Singer. *Beih. Sydowia* 7: 20 (1973).

Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2202 (BAFC, type). Ref.: Singer (1973).

Collybia nivea (Mont.) Dennis. *Trans. Br. mycol. Soc.* 34(4): 435 (1951).

Bas: *Marasmius niveus* Mont. (1854).

= *Chamaeceras cohortalis* (Berk.) Kuntze (1898), *Chamaeceras niveus* (Mont.) Kuntze (1898), *Collybia nivea* var. *cohortalis* (Berk.) Dennis (1951), *Collybia nivea* var. *nivea* (Mont.) Dennis (1951), *Marasmius cohortalis* Berk. (1880), *Marasmius niveus* Mont. (1854).

Dist: LP, PA. Coll. & Num. & Herbaria: R. Singer B 714 (LIL), B 782 (S-F 210348), B 2170 (LIL), B 2252 (LIL), B 2178 (LIL). Ref.: Mueller & Wu (1997), Singer (1964b), Singer (1976), Swedish Herbarium database (S).

Cyphelloclathus Agerer.

Cyphelloclathus cecropiae (Singer) Agerer. *Mycologia* 73(3): 491 (1981).

Bas: *Lachnella cecropiae* Singer (1966).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 24901 (LIL; BAFC, type). Ref.: CABI Bioscience (2019), Singer (1966a). Notes: Sánchez-García et al. (2014) have not studied this genus in their *Tricholomataceae* study.

Dermoloma J.E. Lange ex Herink.

Dermoloma yungense Singer. *Beih. Sydowia* 7: 61 (1973).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 700 (LIL; BAFC, type). Ref.: Singer (1973). Notes: MH; Sánchez-García et al. (2014) have not studied this genus in their *Tricholomataceae* study.

Neoclitocybe Singer.

Neoclitocybe myceliosa Singer. *Sydowia* 15(1–6): 56 (1962).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 1211 (LIL, type). Ref.: Mueller & Wu (1997), Singer (1961). Notes: MH; Sánchez-García et al. (2014) have not studied this genus in their *Tricholomataceae* study.

Neoclitocybe portentosa Singer. *Sydowia* 5(1–6): 56 (1962).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2368 (LIL, type). Ref.: Singer (1961).

Neoclitocybe sanctae-rosae Singer. *Fieldiana, Bot.* 21: 26 (1989).

Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2150 (LIL, type). Ref.: CABI Bioscience (2019), Singer (1989). Notes: MH.

Omphalina Quéél.

Omphalina cotopatae (Singer) Raitelh. *Metrodiana* 20(2): 84 (1992).

Bas: *Gerronema cotopatae* Singer (1964).

= *Rickenella cotopatae* (Singer) Raitelh. (1973).

Dist: LP. Coll. & Num. & Herbaria: R. Singer B 821 (BAFC, type). Ref.: Singer (1964b). Notes: Sánchez-García et al. (2014) have not studied this genus in their *Tricholomataceae* study.

Omphalina elastica (Singer) Raitelh. *Metrodiana, Sonderheft* 2: 11 (1983).

Bas: *Gerronema elasticum* Singer (1951).

= *Gerronema elasticum* subsp. *amazonicum* Singer (1964), *Omphalina elastica* subsp. *amazonica* (Singer) Raitelh. (1992), *Omphalina elastica* var. *amazonica* (Singer) Blanco-Dios (2018).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 1978 (BAFC, type). Ref.: Singer (1964b).

Omphalina xanthodictyon (Singer) Raitelh. *Metrodiana* 20(2): 103 (1992).

Bas: *Gerronema xanthodictyon* Singer (1964b).

Dist: BE. Coll. & Num. & Herbaria: R. Singer B 2546 (BAFC, type). Ref.: Singer (1961), Singer (1964a).

Rimbachia Pat.

Rimbachia palmigena Singer. *Darwiniana* 14: 11 (1966).

Dist: PA. Coll. & Num. & Herbaria: R. Singer B 2503 (LIL; BAFC, type). Ref.: Singer (1966b). Notes: MH; Sánchez-García et al. (2014) have not studied this genus in their *Tricholomataceae* study.

Typhulaceae***Pistillaria*** Fr.

Pistillaria linearis Corner. *Beih. Nova Hedwigia* 33: 115 (1970).

= *Pistillaria linearis* var. *macrospora* Corner. (1970).

Dist: NI. Coll. & Num. & Herbaria: NI. Ref.: Index Fungorum (2019). Notes: CNI, NNI, HNI.

[b] Lichens***Hygrophoraceae******Cora*** Fr.

Cora arachnoidea J.E. Hern. & Lücking. *Phytotaxa* 139(1): 8 (2013).

Dist: SC. Coll. & Num. & Herbaria: Wilk 2780a (KRAM). Ref.: Lücking et al (2013a), Lücking et al (2016).

Cora aspera Wilk, Lücking & E. Morales. *Phytotaxa* 139(1): 8 (2013).

Dist: CO, LP, SC. Coll. & Num. & Herbaria: Lücking 23564 (F, LPB), 29128 (F, HCUCB), 29356 (F), 29364 (HCUCB). Ref.: Index Fungorum (2019), Lücking et al. (2013a), Lücking et al. (2016).

Cora boleslia Lücking, E. Morales & Dal-Forno. *Fungal Diversity* 10.1007/s13225-016-0374-9, (2016).

Dist: CO. Coll. & Num. & Herbaria: Lücking 29128 (HUCB, holotype; F, isotype). Ref.: Index Fungorum (2019), Lücking et al (2016).

Cora corani Lücking, E. Morales & Dal-Forno. *Fungal Diversity*: 10.1007/s13225-016-0374-9 (2016).
Dist: CO. Coll. & Num. & Herbaria: Lücking 29356 (HUCB, holotype; F, isotype). Ref Index Fungorum (2019), Lücking et al (2016).

Cora hochesuordensis Lücking, E. Morales & Dal-Forno. *Fungal Diversity*: 10.1007/s13225-016-0374-9 (2016).
Dist: CO. Coll. & Num. & Herbaria: Lücking 29363 (HUCB, holotype; B, isotype). Ref.: Index Fungorum (2019), Lücking et al. (2016).

Cora maxima Wilk, Dal-Forno & Lücking. *Fungal Diversity*: 10.1007/s13225-016-0374-9 (2016).
Dist: SC. Coll. & Num. & Herbaria: Wilk 2780a (KRAM, holotype; B; LPB, isotype). Ref.: Index Fungorum (2019), Lücking et al. (2016).

Cora parabovoi Dal-Forno, Kukwa & Lücking. *Fungal Diversity*: 10.1007/s13225-016-0374-9 (2016).
Dist: LP. Coll. & Num. & Herbaria: Kukwa 9457 (UGDA, holotype; LPB; GMUF, isotype). Ref.: Index Fungorum (2019), Lücking et al. (2016).

Cora pseudobovoi Wilk, Dal-Forno & Lücking. *Fungal Diversity*: 10.1007/s13225-016-0374-9 (2016).
Dist: LP. Coll. & Num. & Herbaria: Wilk 7562 (KRAM, holotype; B; F; LPB, isotype). Ref.: Index Fungorum (2019), Lücking et al. (2016).

Cora pseudocorani Lücking, E. Morales & Dal-Forno. *Fungal Diversity*: 10.1007/s13225-016-0374-9 (2016).
Dist: CO. Coll. & Num. & Herbaria: Lücking 29364 (HUCB, holotype; F, isotype). Ref.: Index Fungorum (2019), Lücking et al. (2016).

Cora squamiformis Wilk, Lücking & Yáñez-Ayabaca. *Phytotaxa* 139(1): 16 (2013).
Dist: LP. Coll. & Num. & Herbaria: Wilk 7577 (KRAM; F; LPB, isotype). Ref. Index Fungorum (2019), Lücking et al. (2013a), Lücking et al. (2016).

Cora terricoleslia Wilk, Dal-Forno & Lücking *Fungal Diversity*: 10.1007/s13225-016-0374-9 (2016).
Dist: LP. Coll. & Num. & Herbaria: Wilk 2607 (KRAM, holotype; B; LPB, isotype). Ref Index Fungorum (2019), Lücking et al. (2016).

Dictyonema C. Agardh ex Kunth.

Dictyonema applanatum Lücking, Dal-Forno & Wilk. *Acta Nova* 6(1–2): 6 (2013).
Dist: LP. Coll. & Num. & Herbaria: Wilk 8982 (KRAM, isotype; F; LPB). Ref.: Index Fungorum (2019), Lücking et al. (2013b), Lücking et al. (2016).

Dictyonema discocarpum Lücking, Dal-Forno & Wilk. *Acta Nova* 6(1–2): 7 (2013).
Dist: LP. Coll. & Num. & Herbaria: Wilk 9327 (KRAM, isotype; F; LPB). Ref.: Index Fungorum (2019), Lücking et al. (2013b), Lücking et al. (2016).

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Dist: LP. Coll. & Num. & Herbaria: Wilk 8868 (KRAM, isotype; F; LPB). Ref.: Index Fungorum (2019), Lücking et al. (2013b), Lücking et al. (2016).

Conclusions

In this study, 264 species covering 15 families and 55 genera of *Agaricales* mushrooms that produce white or pale spore prints previously reported for Bolivia were compiled. Based on the compiled data, the most species-abundant families are *Marasmiaceae*, *Omphalotaceae* and *Hygrophoraceae*. Most collecting trips have been carried out in the Provincia Yungueño Peruano-Boliviana in the department of La Paz (144 records) and the Provincia Amazónica Suroccidental in Beni department (104 records). Additionally, the distribution of 11 species was expanded with original data and materials, presenting new records of local distribution.

Based on recent fieldwork we carried out, we consider that it is necessary to increase efforts to explore the mycological diversity in Bolivia. Overall, this work contributes to the knowledge of richness and distribution of Bolivian *Agaricales*, constituting a solid baseline for future studies in the region.

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