

Checklist of the Argentine Agaricales 3. *Bolbitiaceae* and *Crepidotaceae*

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ABSTRACT—A checklist of *Agaricales* species belonging to *Bolbitiaceae* and *Crepidotaceae* has been made for Argentina. The list included all species published until 2011. Fourteen genera and 187 species are recorded, 94 species from the *Bolbitiaceae* and 93 from *Crepidotaceae*.

KEY WORDS—*Agaricomycetes*, *Conocybe*, *Agrocybe*, *Crepidotus*, *Simocybe*

Introduction

The aim of the Checklist of the Argentinean *Agaricales* is to establish a baseline of knowledge about the diversity of the *Agaricales* described from Argentina by 2011. The *Amanitaceae*, *Pluteaceae*, *Hygrophoraceae*, *Coprinaceae* and *Strophariaceae* have been previously presented (Niveiro & Albertó 2012a, 2012b). In this contribution, the families *Bolbitiaceae* and *Crepidotaceae* are presented.

Materials & Methods

Nomenclature and classification systems

This checklist is based on all publications for Argentina until 2011. Nomenclature and classification systems follow Singer (1986) for families, and Kirk et al. (2008), Index Fungorum (<http://www.indexfungorum.org>) and Mycobank (<http://www.mycobank.org>) for genera and species. There have been important rearrangements in the *Bolbitiaceae* and *Crepidotaceae* since Singer (1986). These taxonomic changes are summarized in Table 1.

Synonyms have been simplified and only the basionym and the synonyms of each species recorded for Argentina are included. Index Fungorum was consulted for current names of species and synonyms. The synonyms considered by other authors not included in the Index Fungorum and Mycobank by June 2012, are cited with their respective references.

For journal abbreviations, the Botánico Periodico Huntianum (http://fmhibd.library.cmu.edu/fmi/iwp/cgi?db=BPH_Online&loadframes) web site was used. For authors abbreviations, the International Plant Names Index (IPNI) (<http://www.ipni.org>) and Authors of Fungal Names (<http://www.indexfungorum.org/names/AuthorsOfFungalNames.asp>) were used. References cited for each species were ordered firstly by author in alphabetical order and secondly by year of publication.

We have found genera that are not considered valid (Kirk et al., 2008) and species that have been transferred to other genera (such as *Galerella*, at present *Conocybe*). However, not all species of these genera have been transferred to a current genus. As the type material was not studied, we cite them as they

Table 1: Position of the genera treated in this paper according to different classification systems (Bolb.: Bolbitiaceae, Crep.: Crepidotaceae, Cort.: Cortinariaceae, Inocyb.: Inocybaceae, Stroph.: Strophariaceae, Trich.: Tricholomataceae, n/d: no data).

	Singer (1986)	Kirk et al. (2001)	Mathney et al. (2006)	Kirk et al. (2008)	Mycobank (2012)	Index Fungorum (2012)	
BOLBITACEAE	<i>Agrocybe</i>	Bolb.	Bolb.	Stroph.	Stroph.	Stroph.	
	<i>Bolbitius</i>	Bolb.	Bolb.	Bolb.	Bolb.	Bolb.	
	<i>Conocybe</i>	Bolb.	Bolb.	Bolb.	Bolb.	Bolb.	
	<i>Descolea</i>	Bolb.	Cort.	Bolb.	Cort.	Cort.	
	<i>Galerella</i>	Bolb.	Bolb.	n/d	Bolb.	Bolb.	
	<i>Pholiotina</i>	Bolb.	Bolb.	Bolb.	Bolb.	Bolb.	
	<i>Pluteolus</i>	Bolb.	Bolb.	n/d	Bolb.	Bolb.	
	<i>Pseudododescolea</i>	n/d	Cort.	n/d	Cort.	Cort.	
CREPIDOTACEAE	<i>Crepidotus</i>	Crep.	Cort.	Crep.	Inocyb.	Inocyb.	
	<i>Melanomphalia</i>	Crep.	Cort.	n/d	Trich.	Cort.	
	<i>Naucoria</i>	Nomen dubium between Cort. and Crep.	Bolb.	Tubariaceae (<i>Naucoria vinicolor</i>) Hymenogastraceae (<i>Alnicola escharioides</i>)	Stroph.	Stroph.	Stroph.
	<i>Pleurotellus</i>	Crep.	Cort.	n/d	Inocyb.	Inocyb.	
	<i>Simocybe</i>	Crep.	Cort.	Crep.	Inocyb.	Inocyb.	
	<i>Tubaria</i>	Crep.	Cort.	Tubariae	Inocyb.	Inocyb.	

were originally published. The valid genus according to Kirk et al. (2008) is given between brackets followed by the symbol =.

Remarks are only added to those taxa where a conflict was found, e.g. species not validly published (NVP), synonyms, unpublished transfer to genus and where the distribution of the species was not completely clear.

Books are cited by the year in which they were published and not the year in which they were printed. This is the case, for example, for “Pródromo de la flora Agaricina” which is cited as Singer & Digilio (1952). In this case, two years are provided for species citation in the “literature citation” section with the real year of publication between parenthesis and the year printed in the book between brackets.

Distribution

Species distribution was cited according to the Province (State) where it was collected using the abbreviations adopted by Niveiro & Albertó (2012a). A map of the political divisions of Argentina and the abbreviations for each state can be seen in Niveiro & Albertó (2012a).

Occasionally, the literature only refers to a place or an area to indicate the distribution; in this case we reproduced the author’s comments between quotations marks; for example “northwest of Argentina”.

It should be taken into account that although many species were recorded in the provinces of Patagonia Argentina (Neuquén, Rio Negro, Chubut, Santa Cruz, Tierra del Fuego), most of them were found in the Patagonian Andes forest which is located in a narrow strip to the west of the southern provinces.

CHECKLIST OF *BOLBITIACEAE* AND *CREPIDOTACEAE* FROM ARGENTINA

One hundred eighty-eight species belonging to *Bolbitiaceae* and *Crepidotaceae* have been recorded so far in Argentina. All of them are distributed in 14 genera: *Agrocybe* (23 species), *Bolbitius* (9), *Conocybe* (52), *Descolea* (4), *Galerella* (1), *Pholiotina* (3), *Pluteolus* (1), *Pseudodescolea* (1), *Crepidotus* (51), *Melanomphalia* (9), *Naucoria* (10), *Pleurotellus* (2), *Simocybe* (14), and *Tubaria* (13) listed below.

*BOLBITIACEAE***Agrocybe** Fayod

Agrocybe aegerita var. **rugosovenosa** Singer, *Rev. Mycol. (Paris)* **18**: 19, 1953.

Dist: T

Ref: Singer (1953c).

Obs: NVP. *Agrocybe aegerita* (V. Brig.) Singer is considered as synonym of *Agrocybe cylindracea* (DC.) Maire.

Agrocybe allocystis Singer, *Beih. Nova Hedwigia* **29**: 255, 1969.

Dist: T, CBA, BA

Ref: Raithelhuber (1988, 1991, 2004), Singer (1969), Wright & Albertó (2002).

Agrocybe broadwayi (Murrill) Dennis, *Bull. Trimestriel Soc. Mycol. France* **69**(2): 179, 1953.

≡ *Hebeloma broadwayi* Murrill, 1912.

Dist: TF

Ref: Horak (1980), Raithelhuber (1988, 1991, 2004).

Agrocybe cylindracea (DC.) Maire, *Mém. Soc. Sci. Nat. Maroc* **45**: 106, 1938.

≡ *Agaricus cylindraceus* DC., 1815.

= *Agaricus (Pholiota) crassivelus* Speg., 1880, fide Singer (1950a).

≡ *Pholiota crassivela* (Speg.) Speg., 1887, fide Singer (1950a).

= *Pholiota impudica* Speg., 1889, fide Singer (1950a).

= *Agrocybe aegerita* (V. Brig.) Singer, 1951 [1949].

Dist: T, S, CBA, BA, N

Ref: Farr (1973), Raithelhuber (1974, 1977, 1988, 1991, 2004), Singer (1950a, 1951, 1969), Singer & Digilio (1952), Spegazzini (1880b, 1880c, 1926b), Watling (1992), Wright & Albertó (2002).

Agrocybe elatella (P. Karst.) Vesterh., *Nordic J. Bot.* **9**(3): 317, 1989.

≡ *Roumeguerites elatellus* P. Karst. 1882.

= *Agrocybe paludosa* (J.E. Lange) Kühner & Romagn., 1987.

Dist: RN

Ref: Raithelhuber (1977, 1988, 1991, 2004).

Agrocybe fimicola (Speg.) Singer, *Lilloa* **23**: 209, 1950.

≡ *Naucoria fimicola* Speg., 1899 [1898].

= *Agaricus cisneroi* Speg., 1880, fide Singer (1950a).

≡ *Naucoria cisneroi* (Speg.) Speg., 1887, fide Singer (1950a).

= *Agrocybe coprophila* Katajev, 1951, fide Watling (1992).

= *Agrocybe neocoprophila* Singer, 1953, fide Watling (1992).

Dist: T, CAT, CBA, BA, IM

Ref: Farr (1973), Raithelhuber (1974, 1988, 2004), Singer (1950a, 1953a, 1969), Singer & Digilio (1952), Spegazzini (1880c, 1899), Watling (1992), Watling & Richardson (2010).

Agrocybe irritans Raithelh., *Metrodiana* **11**(1): 25, 1984.

Dist: AP

Ref: Raithelhuber (1988, 1991, 2004).

Agrocybe paradoxa Singer, *Beih. Sydowia* **7**: 76, 1973.

Dist: T

Ref: Raithelhuber (1988, 1991, 2004), Singer (1973b).

Agrocybe pediades (Fr.) Fayod, *Ann. Sci. Nat., Bot., sér. 7* **9**: 358, 1889.

≡ *Agaricus pediades* Fr., 1821.

= *Naucoria arenicola* Berk., 1887.

≡ *Agrocybe arenicola* (Berk.) Singer, 1936.

= *Agrocybe arenaria* (Peck) Singer, 1978 [1977].

= *Naucoria semiorbicularis* (Bull.) Quél., 1875.

≡ *Agrocybe semiorbicularis* (Bull.) Fayod, 1889.

= *Naucoria temulenta* (Fr.) P. Kumm., 1871.

Dist: S, T, MNES, ER, CBA, MZA, BA, N

Ref: Raithelhuber (1988, 1991, 2004), Singer (1969), Spegazzini (1881, 1899, 1912, 1926a, 1926b), Wright & Albertó (2002).

Agrocybe perfecta (Rick) Singer, *Lilloa* **3**: 402, 1938.

≡ *Pholiota platensis* var. *perfecta* Rick, 1907.

Dist: T, MZA

Ref: Raithelhuber (1988, 1991, 2004), Singer & Digilio (1952), Watling (1992).

Agrocybe perfecta f. **angustisperma** Singer, *Lilloa* **25**: 325, 1952 [1951].

Dist: T

Ref: Singer & Digilio (1952).

Obs: NVP

Agrocybe perfecta f. **levis** Singer, *Lilloa* **25**: 325, 1952 [1951].

Dist: T

Ref: Singer & Digilio (1952).

Obs: NVP

Agrocybe platensis (Speg.) Singer, *Beih. Bot. Centralbl., Abt. 2*. **56**:179, 1938.

≡ *Pholiota platensis* Speg., 1899 [1898].

Dist: T, BA

Ref: Farr (1973), Raithelhuber (1974, 1988, 1991, 2004), Singer (1950a, 1951, 1969), Singer & Digilio (1952), Spegazzini (1899, 1926b).

Agrocybe praecox (Pers.) Fayod, *Ann. Sci. Nat., Bot., sér. 7* **9**: 358, 1889.

≡ *Agaricus praecox* Pers., 1800.

Dist: BA, RN, TF

Ref: Horak (1980), Raithelhuber (1988, 1991, 2004), Ramarodi (1992), Singer (1969).

Agrocybe praecox var. **cutefracta** (J.E. Lange) Singer, *Sydowia* **7**: 214, 1953.

≡ *Pholiota praecox* var. *cutefracta* J.E. Lange, 1921.

Dist: RN, N, TF

Ref: Raithelhuber (1977, 1988, 1991, 2004), Singer (1954), Singer & Digilio (1952).

Agrocybe procera Singer, *Behi. Nova Hedwigia* **29**: 225, 1969.

Dist: T

Ref: Raithelhuber (1988, 1991, 2004), Singer (1969).

Agrocybe procera f. **andina** Raithelh., *Hong. Argentin.* **2**: 100, 1977.

Dist: RN

Ref: Raithelhuber (1977).

Agrocybe procera var. **andinopatagonica** Raithelh., *Metrodiana* **11**(1): 25, 1984.

Dist: AP

Ref: Raithelhuber (1988, 1991, 2004).

Agrocybe puiggarii (Speg.) Singer, *Lilloa* **22**: 492, 1949.

≡ *Pholiota puiggarii* Speg., 1889.

Dist: T, MNES

Ref: Farr (1973), Raithelhuber (1988, 1991, 2004), Singer & Digilio (1952).

Agrocybe retigera (Speg.) Singer, *Lilloa* **22**: 493, 1949.

≡ *Naucoria retigera* Speg., 1922.

Dist: T, MNES

Ref: Farr (1973), Singer (1950a), Singer & Digilio (1952).

Agrocybe tucumana (Singer) Watling, *Biblioth. Mycol.* **82**: 63, 1981.
≡ *Agrocybe firma* var. *tucumana* Singer, 1959.

Dist: T

Ref: Raithelhuber (1988, 1991, 2004), Singer (1959, 1973b)

Agrocybe vervacti (Fr.) Singer, *Beih. Bot. Zbl.* **56**: 167, 1936.

≡ *Agaricus vervacti* Fr., 1821.

≡ *Naucoria vervacti* (Fr.) Quél., 1872.

Dist: CBA, BA

Ref: Spegazzini (1899, 1926b).

Agrocybe xerophytica Singer, *Mycologia* **51**: 399, 1959.

Dist: T

Ref: Singer (1959).

Bolbitius Fr.

Bolbitius albiceps Speg., *Anales Mus. Nac. Buenos Aires* **6**: 141, 1899 [1898].

Dist: BA

Ref: Farr (1973), Raithelhuber (1988, 1991), Singer (1950a), Singer & Digilio (1952), Spegazzini (1899).

Bolbitius ameghinoi Speg., *Anales Mus. Nac. Buenos Aires* **6**: 140, 1899 [1898].

Dist: N, RN, TF

Ref: Farr (1973), Singer (1950a), Spegazzini (1899).

Bolbitius bruchii Speg., *Bol. Acad. Ci. (Córdoba)* **29**(2-3): 130, 1926.

Dist: CBA

Ref: Farr (1973), Singer (1950a), Spegazzini (1926a).

Bolbitius coprophilus (Peck) Hongo, *Mem. Fac. Educ. Shiga Univ., Nat. Sci.* **9**: 82, 1959.

≡ *Pluteolus coprophilus* Peck, 1893.

Dist: BA

Ref: Raithelhuber (2004).

Bolbitius demangei (Quél.) Sacc. & D. Sacc., *Syll. fung.* **17**: 74, 1905.

≡ *Pluteolus demangei* Quél., 1901.

Dist: BA

Ref: Albertó et al. (1996), Raithelhuber (2004), Wright & Albertó (2002).

Bolbitius reticulatus (Pers.) Ricken, *Die Blätterpilze* **1**: 68, 1915.

≡ *Agaricus reticulatus* Pers., 1798.

= *Bolbitius aleuriatus* (Fr.) Singer, 1951 [1949].

Dist: N, RN, TF

Ref: Raithelhuber (1988, 1991, 2004), Singer (1953b, 1954, 1969), Singer & Digilio (1952).

Bolbitius reticulatus var. **australis** (E. Horak) Garrido, *Biblioth. Mycol.* **99**: 27, 1985.

≡ *Pluteolus reticulatus* var. *australis* E. Horak, 1980 [1979].

Dist: TF, AP, “Septentrional provinces from Argentina”.

Ref: Horak (1980), Raithelhuber (1988, 1991, 2004).

Bolbitius titubans (Bull.) Fr., *Epicr. syst. mycol.* (Upsaliae): 254, 1838.

≡ *Agaricus titubans* Bull., 1789.

= *Bolbitius fragilis* (L.) Fr., 1838 [1836].

= *Bolbitius vitellinus* (Pers.) Fr., 1838 [1836].

Dist: T, CBA, BA, IM

Ref: Raithelhuber (1974, 1988, 1991, 2004), Singer (1969), Singer & Digilio (1952), Spegazzini (1899, 1926a), Watling & Richardson (2010), Wright & Albertó (2002).

Bolbitius tucumanensis Singer, *Mycologia* **51**(3): 398, 1959.

Dist: T

Ref: Raithelhuber (1991, 2004), Singer (1959, 1961).

Conocybe Fayod

Conocybe affinis Singer, *Beih. Nova Hedwigia* **29**: 207, 1969.

Dist: T, MZA

Ref: Raithelhuber (1988, 1991), Singer (1969).

Conocybe alba Singer, *Lilloa* **25**: 295, 1952 [1951].

Dist: T, CH

Ref: Raithelhuber (1988, 1991, 2004), Singer & Digilio (1952).

Conocybe apala (Fr.) Arnolds, *Persoonia* **18**(2): 225, 2003.

≡ *Agaricus apalus* Fr., 1818.

= *Conocybe lactea* (J.E. Lange) Métrod, 1940.

Dist: S, MZA, BA

Ref: Raithelhuber (1988, 1991, 2004), Singer (1969), Singer & Digilio (1952), Wright & Albertó (2002).

Conocybe aurea (Jul. Schäff.) Hongo, *J. Jap. Bot.* **38**: 236, 1963.

≡ *Galera aurea* Jul. Schäff., 1930.

= *Conocybe tenera* var. *aurea* (Jul. Schäff.) Kühner, 1935.

Dist: T

Ref: Raithelhuber (1988, 2004), Singer & Digilio (1952).

Conocybe australis (Singer) Watling, *Biblioth. Mycol.* **82**: 96, 1981.
≡ *Pholiotina australis* Singer, 1969.

Dist: RN

Ref: Raithelhuber (1977, 1988, 1991, 2004), Singer (1969).

Conocybe austrofilaris (Singer) Watling, *Biblioth. Mycol.* **82**: 96, 1981.
≡ *Pholiotina austrofilaris* Singer, 1969.

Dist: N, RN, TF

Ref: Horak (1980), Raithelhuber (1977, 1988, 1991, 2004), Singer (1969).

Conocybe blattaria (Fr.) Kühner, *Encycl. Mycol.* **7**: 150, 1935.
≡ *Agaricus blattarius* Fr., 1821.

= *Pholiotina teneroides* (J.E. Lange) Singer, 1969.

Dist: N

Ref: Singer (1969).

Conocybe coprophila (Kühner) Kühner, *Encycl. Mycol.* **7**: 125, 1935.
≡ *Galera coprophila* Kühner, 1926.

≡ *Pholiotina coprophila* (Kühner) Singer, 1950.

Dist: T, BA, N, RN, TF

Ref: Raithelhuber (1974, 1977, 1988, 1991, 2004), Singer (1950c, 1953b, 1954, 1969), Singer & Digilio (1952), Wright & Albertó (2002).

Conocybe crispella (Murrill) Singer, *Sydowia* **4**: 132, 1950.
≡ *Galerula crispella* Murrill, 1942.

Dist: T, CBA, BA

Ref: Raithelhuber (1988, 1991, 2004), Singer (1950c), Singer & Digilio (1952).

Conocybe diemii Singer, *Beih. Nova Hedwigia* **29**: 212, 1969.

Dist: N

Ref: Raithelhuber (1988, 1991, 2004), Singer (1969).

Conocybe filaris (Fr.) Kühner, *Encycl. Mycol.* **7**: 159, 1935.
≡ *Agaricus togularis* var. *filaris* Fr., 1884.

≡ *Pholiotina filaris* (Fr.) Singer, 1936.

Dist: T, BA

Ref: Raithelhuber (2004), Singer (1950c), Singer & Digilio (1952), Wright & Albertó (2002).

Conocybe fuscimarginata (Murrill) Singer, *Beih. Nova Hedwigia* **29**: 210, 1969.

Dist: BA, N

Ref: Ramarodi (1992), Raithelhuber (1988, 1991, 2004), Singer (1969).

Conocybe intrusa (Peck) Singer, *Sydowia* **4**: 133, 1950.
 ≡ *Cortinarius intrusus* Peck, 1896.

Dist: T

Ref: Singer (1953c).

Conocybe lentispora Singer, *Sydowia* **4**: 134, 1950.

Dist: T

Ref: Raithelhuber (1991, 2004), Singer (1950c), Singer & Digilio (1952), Watling (1992).

Conocybe macrorrhina (Speg.) Singer, *Lilloa* **22**: 485, 1950 [1949].
 ≡ *Galera macrorrhina* Speg., 1889.

Dist: BA

Ref: Farr (1973), Horak (1967), Raithelhuber (1991), Singer (1950a, 1968, 1969), Singer & Digilio (1952).

Conocybe macrorrhiza (Speg.) Singer, *Lilloa* **23**: 205, 1950.
 ≡ *Naucoria macrorrhiza* Speg., 1899.

Dist: BA

Ref: Farr (1973), Singer (1950a), Spegazzini (1899).

Conocybe magnispora (Murrill) Singer, *Sydowia* **4**: 135, 1950.
 ≡ *Galerula magnispora* Murrill, 1943.

Dist: T, BA, N, RN, IM

Ref: Raithelhuber (1977, 1988, 1991, 2004), Singer (1950c, 1969), Watling & Richardson (2010).

Conocybe magnispora var. **levis** Singer, *Lilloa* **25**: 306, 1952 [1951].

Dist: T, S, BA

Ref: Raithelhuber (1974, 1988, 1991), Singer & Digilio (1952).

Conocybe magnispora var. **striatella** Singer, *Lilloa* **25**: 305, 1952 [1951].

Dist: T, MNES

Ref: Singer & Digilio (1952).

Conocybe megalospora (Jul. Schäff.) Singer, *Lilloa* **22**: 485, 1951 [1949].
 ≡ *Galera megalospora* Jul. Schäff., 1930.

Dist: TF

Ref: Horak (1967), Singer (1953b), Singer & Digilio (1952), Spegazzini (1922, 1925).

Conocybe megalospora subsp. **nivalis** Singer, *Rev. Mycol. (Paris)* **18**: 18, 1953.

Dist: CAT

Ref: Singer (1953c).

Conocybe missionum Singer, *Lilloa* **25**: 308, 1952 [1951].

Dist: MNES

Ref: Raithelhuber (1988, 1991, 2004), Singer & Digilio (1952), Wright & Wright (2005).

Conocybe mixta Singer, *Lilloa* **25**: 296, 1952 [1951].

Dist: T

Ref: Raithelhuber (1988, 1991), Singer & Digilio (1952).

Conocybe morenoi Raithelh., *Metrodiana, Sonderh.* **4**: 7, 1990.

= *Conocybe siliginea* (Fr.) Kühner sensu Singer & Digilio, 1952.

Dist: BA

Ref: Raithelhuber (1974, 1990, 1991, 2004), Singer (1950c), Singer & Digilio (1952).

Conocybe pilosella (Pers.) Kühner, *Encycl. Mycol.* **7**: 92, 1935.

≡ *Agaricus pilosellus* Pers., 1801.

Dist: N, RN

Ref: Raithelhuber (1988, 1991, 2004), Singer (1969).

Conocybe proxima Singer, *Lilloa* **25**: 298, 1952 [1951].

Dist: T

Ref: Singer & Digilio (1952).

Conocybe pubescens (Gillet) Kühner, *Encycl. Mycol.* **7**: 85, 1935.

≡ *Galera pubescens* Gillet, 1876.

= *Conocybe cryptocystis* (G.F. Atk.) Singer, 1954.

Dist: CAT, BA, N, RN, TF, IM

Ref: Ramarodi (1995), Raithelhuber (1974, 1979, 1988, 1991, 2004), Singer (1953b, 1954, 1969), Singer & Digilio (1952), Watling & Richardson (2010).

Conocybe pubescens var. **gilletii** Raithelh., *Fl. Mycol. Argentina, Hongos* III (Stuttgart): 215, 1991.

Dist: TF

Ref: Raithelhuber (1991).

Conocybe pulchella (Velen.) Hauskn. & Svrček, *Czech Mycol.* **51**(1): 58, 1999.

≡ *Galera pulchella* Velen., 1921.

= *Conocybe digitalina* (Velen.) Singer, 1989.

Dist: IM

Ref: Watling & Richardson (2010).

Conocybe pygmaeoaffinis (Fr.) Kühner, *Encycl. Mycol.* **7**: 133, 1935.

≡ *Agaricus pygmaeoaffinis* Fr., 1857.

≡ *Galera pygmaeoaffinis* (Fr.) Quél., 1872.

Dist: BA

Ref: Spegazzini (1899).

Conocybe radicata Singer, *Rev. Mycol. (Paris)* **18**: 18, 1953.

Dist: T

Ref: Singer (1953c).

Conocybe reticulatorugosa Singer, *Lilloa* **25**: 299, 1952 [1951].

Dist: T

Ref: Raithelhuber (1988, 1991, 2004), Singer & Digilio (1952).

Conocybe rickeniana P.D. Orton, *Trans. Brit. Mycol. Soc.* **43**: 195, 1960.

Dist: T

Ref: Singer & Digilio (1952).

Conocybe rickenii (Jul. Schäff.) Kühner, *Encycl. Mycol.* **7**: 115, 1935.

≡ *Galera rickenii* Jul. Schäff., 1930.

Dist: MZA, BA

Ref: Raithelhuber (1991, 2004), Singer (1969).

Conocybe rugosa (Peck) Watling, *Biblioth. Mycol.* **82**: 133, 1981.

≡ *Pholiota rugosa* Peck, 1898 [1897].

≡ *Pholiotina rugosa* (Peck) Singer, 1946.

Dist: T

Ref: Singer & Digilio (1952).

Conocybe ruizlealii (Singer) Watling, *Biblioth. Mycol.* **82**: 134, 1981.

≡ *Pholiotina ruizlealii* Singer, 1969.

Dist: MZA

Ref: Raithelhuber (1988, 1991, 2004), Singer (1969).

Conocybe semiglobata Kühner & Watling, *Notes Roy. Bot. Gard. Edinburgh* **38**(2): 337, 1980.

≡ *Conocybe tenera* f. *semiglobata* Kühner, 1935.

Dist: S, BA, SC

Ref: Raithelhuber (1988, 1991, 2004), Singer (1969), Singer & Digilio (1952).

Conocybe siennophylla (Berk. & Broome) Singer, *Sydowia* **9**: 402, 1955.

≡ *Agaricus siennophyllus* Berk. & Broome, 1871.

Dist: TF, "Northwest of Argentina"

Ref: Raithelhuber (1991, 2004), Singer (1969).

Conocybe striatipes (Speg.) Singer, *Lilloa* **23**: 205, 1950.

≡ *Galera striatipes* Speg., 1899 [1898].

Dist: S, T, BA

Ref: Farr (1973), Ramarodi (1992), Raithelhuber (1988, 1991, 2004), Singer (1950a, 1969), Singer & Digilio (1952), Spegazzini (1899, 1919).

Conocybe striatipes f. **bispora** Singer, *Lilloa* **25**: 288, 1952 [1951].

Dist: T

Ref: Singer & Digilio (1952).

Obs: NVP

Conocybe striatipes f. **mixta** Singer, *Lilloa* **25**: 289, 1952 [1951].

Dist: T

Ref: Singer & Digilio (1952).

Obs: NVP

Conocybe subpubescens P.D. Orton, *Trans. Brit. Mycol. Soc.* **43**: 195, 1960.

Dist: BA

Ref: Raithelhuber (2004), Wright & Albertó (2002).

Conocybe subvelata Singer, *Sydowia* **4**: 139, 1950.

Dist: T

Ref: Raithelhuber (1988, 1991), Singer (1950c), Singer & Digilio (1952).

Conocybe tenera (Schaeff.) Fayod, *Ann. Sci. Nat., Bot.*, sér. **7** **9**: 357, 1889.

≡ *Agaricus tener* Schaeff., 1774.

≡ *Galera tenera* (Schaeff.) P. Kumm., 1871.

Dist: CBA, RN, TF

Ref: Horak (1967), Spegazzini (1880c, 1887a, 1887b, 1925, 1926a).

Conocybe tenera f. **excentrica** Singer, *Sydowia* **4**: 140, 1950.

Dist: BA

Ref: Singer (1950c), Singer & Digilio (1952).

Conocybe tenerrima Singer, *Lilloa* **25**: 292, 1952 [1951].

Dist: T

Ref: Raithelhuber (1988, 1991, 2004), Singer (1969), Singer & Digilio (1952).

Conocybe tenerrima var. **monticola** Singer, *Beih. Nova Hedwigia* **29**: 206, 1969.

Dist: T

Ref: Singer (1969).

Conocybe tetraspora Singer, *Beih. Nova Hedwigia* **29**: 209, 1969.

Dist: BA, RN

Ref: Raithelhuber (1974, 1977, 1988, 1991), Singer (1969).

Conocybe tucumana (Singer) Watling, *Biblioth. Mycol.* **82**: 147, 1981.
 ≡ *Pholiotina tucumana* Singer, 1973.

Dist: T

Ref: Raithelhuber (1988, 1991, 2004), Singer (1973b).

Conocybe velutipes (Velen.) Hauskn. & Svrček, *Czech Mycol.* **51**(1): 68, 1999.
 ≡ *Galera velutipes* Velen., 1939.

= *Conocybe kuehneriana* Singer, 1969.

Dist: T, BA

Ref: Raithelhuber (1988, 1991), Singer (1969).

Conocybe verrucispora (Singer) Watling, *Biblioth. Mycol.* **82**: 148, 1981.
 ≡ *Pholiotina verrucispora* Singer, 1969.

Dist: N

Ref: Raithelhuber (1988, 1991, 2004), Singer (1969).

Conocybe xerophytica Singer, *Lilloa* **25**: 294, 1952 [1951].

Dist: T

Ref: Raithelhuber (1988, 1991), Singer & Digilio (1952).

Descolea Singer

Descolea antarctica Singer, *Lilloa* **23**, 257, 1950.

Dist: N, RN, TF

Ref: Gamundí & Horak (2002), Horak (1980), Raithelhuber (1988, 1991), Singer (1950b, 1953b, 1954), Singer & Digilio (1952).

Descolea lepiotiformis Raithelh., *Hong. Argentin.* **2**: 128, 1977.
 ≡ *Pseudodescolea lepiotiformis* (Raithelh.) Raithelh., 1980.

Dist: N, RN

Ref: Raithelhuber (1977, 1988, 1991, 2004).

Descolea pallida E. Horak, *Persoonia* **6**(2): 237, 1971.

Dist: RN, TF

Ref: Raithelhuber (1991, 2004).

Descolea recedens (Cooke & Masee) Singer, *Sydowia* **9**: 407, 1955.
 ≡ *Agaricus recedens* Cooke & Masee, 1889.

Dist: N, RN, TF

Ref: Raithelhuber (1977, 2004), Singer (1969).

Galerella Earle (= **Conocybe** Fayod)

Galerella plicatella (Peck) Singer, *Lilloa* **22**: 490, 1951 [1949].
≡ *Agaricus plicatellus* Peck, 1878 [1876].

Dist: T

Ref: Raithelhuber (1988, 2004), Singer & Digilio (1952).

Pholiotina Fayod

Pholiotina altoandina Singer, *Fieldiana, Bot.* **21**: 105, 1989.

Dist: T

Ref: Singer (1989).

Pholiotina plumbeitincta (G.F. Atk.) Hauskn., Krisai & Voglmayr, *Österr. Z. Pilzk., N.S.* **13**: 212, 2004.

≡ *Galerula plumbeitincta* G.F. Atk., 1918.

≡ *Conocybe plumbeitincta* (G.F. Atk.) Singer, 1950.

Dist: T

Ref: Raithelhuber (1988, 1991), Singer (1950c), Singer & Digilio (1952).

Pholiotina septentrionalis (A.H. Sm.) Singer, *Sydowia* **4**: 143, 1950.

≡ *Pholiota septentrionalis* A.H. Sm., 1935.

Dist: MNES

Ref: Wright & Wright (2005).

Pluteolus (Fr.) Gillet (= **Bolbitus** Fr.)

Pluteolus argentinus Speg., *Anales Mus. Nac. Buenos Aires* **6**:121, 1899.

Dist: BA

Ref: Farr (1973), Spegazzini (1899).

Pseudodescolea Raithel. (= **Descolea** Singer)

Pseudodescolea brunneosperma (Singer) Raithelh., *Metrodiana* **11**(2): 51, 1985.

≡ *Lepiota brunneosperma* Singer, 1952 [1951].

Dist: T

Ref: Raithelhuber (1985, 1988, 1991, 2004), Singer & Digilio (1952).

CREPIDOTACEAE

Crepidotus (Fr.) Staude

Crepidotus acanthosyrinus Singer, *Lilloa* **25**: 411, 1952 [1951].

Dist: T, BA

Ref: Raithelhuber (1974, 1988, 1991, 2004), Singer (1973a), Singer & Digilio (1952).

Crepidotus albidus var. **boliviae** Singer, *Beih. Nova Hedwigia* **44**: 478, 1973.

Dist: J

Ref: Raithelhuber (2004), Singer (1973a).

Crepidotus applanatus (Pers.) P. Kumm., *Führ. Pilzk.* (Zwickau): 74, 1871.

≡ *Agaricus applanatus* Pers., 1796.

Dist: J, T, BA, N, RN, TF

Ref: Horak (1980), Raithelhuber (1988, 1991), Singer (1953c, 1954, 1969), Singer & Digilio (1952), Spegazzini (1880a).

Crepidotus applanatus var. **subglobiger** Singer, *Beih. Nova Hedwigia* **44**: 478, 1973.

Dist: T

Ref: Raithelhuber (2004), Singer (1973a).

Crepidotus australis Singer, *Beih. Nova Hedwigia* **44**: 478, 1973.

= *Crepidotus martinii* ssp. *australis* Singer sensu Wright & Wright, 2005.

Dist: MNES

Ref: Raithelhuber (2004), Singer (1973a), Wright & Wright (2005).

Crepidotus austroandinus Singer, *Beih. Nova Hedwigia* **29**: 327, 1969.

Dist: N

Ref: Raithelhuber (1988, 1991, 2004), Singer (1969).

Crepidotus brunswickianus (Speg.) Speg., *Syll. fung.* **9**: 116, 1891.

≡ *Agaricus (Crepidotus) brunswickianus* Speg., 1887.

Dist: T, N, RN, TF

Ref: Farr (1973), Horak (1964a, 1967, 1980), Raithelhuber (1988, 1991, 2004), Singer (1947, 1950a, 1953b, 1954, 1969, 1973a), Singer & Digilio (1952), Spegazzini (1887a, 1887b).

Crepidotus calolepis subsp. **tigrensis** (Speg.) Singer, *Beih. Nova Hedwigia* **44**: 471, 1973.

≡ *Agaricus (Crepidotus) tigrensis* Speg., 1881.

≡ *Crepidotus tigrensis* (Speg.) Speg., 1887.

Dist: MNES, BA, CBA

Ref: Farr (1973), Niveiro et al. (2010), Raithelhuber (1974, 1988, 1991, 2004), Singer (1947, 1950a, 1973a), Singer & Digilio (1952), Spegazzini (1881, 1926a, 1926b), Wright & Albertó (2002).

Crepidotus calolepis var. **januarius** Singer, *Beih. Nova Hedwigia* **44**: 478, 1973.

Dist: T

Ref: Singer (1973a).

Crepidotus caspari Velen, *Hyphomycetes* **3**(5-6): 70, 1926.

= *Crepidotus amygdalosporus* Kühner, 1954.

Dist: T

Ref: Raithelhuber (2004), Singer (1973a).

Crepidotus catamarcae Singer, *Beih. Nova Hedwigia* **44**: 478, 1973.

Dist: CAT

Ref: Raithelhuber (2004), Singer (1973a).

Crepidotus cesatii (Rabenh.) Sacc., *Michelia* **1**(1): 2, 1877.

≡ *Agaricus cesatii* Rabenh., 1851.

= *Crepidotus sphaerosporus* (Pat.) J.E. Lange, 1938.

Dist: RN

Ref: Raithelhuber (1977, 1988, 1991), Singer (1953c, 1954, 1969).

Crepidotus citricolor Singer, *Lilloa* **25**: 411, 1952 [1951].

Dist: T

Ref: Raithelhuber (1991, 2004), Singer (1973a), Singer & Digilio (1952).

Crepidotus citrinus Petch, *Ann. Roy. Bot. Gard. Peradeniya* **9**: 225, 1924.

Dist: T

Ref: Raithelhuber (2004), Singer (1953c).

Crepidotus croceotinctus Peck, *Rep. (Annual) New York State Mus. Nat. Hist.* **39**: 72, 1887
[1886].

Dist: T

Ref: Raithelhuber (1991, 2004), Singer (1973a).

Crepidotus crocophyllus Berk., *Syll. fung.* **5**: 886, 1887.

Dist: T, BA

Ref: Horak (1964a), Raithelhuber (1988, 1991, 2004), Singer (1969, 1973a), Singer & Digilio (1952), Wright & Albertó (2002).

Crepidotus cystidiosus Hesler & A.H. Sm., *North American species of Crepidotus*: 43, 1965.

Dist: T, N

Ref: Singer (1973a).

Crepidotus defibulatus Singer, *Lilloa* **25**: 410, 1952 [1951].

Dist: BA

Ref: Raithelhuber (1974, 1988, 1991, 2004), Singer (1973a), Singer & Digilio (1952).

Crepidotus epibryus (Fr.) Quél., *Fl. Mycol. France* (Paris): 107, 1888.

- ≡ *Agaricus epibryus* Fr., 1821.
 = *Agaricus perpusillus* Lumn., 1791.
 ≡ *Pleurotus perpusillus* (Lumn.) Gillet, 1876.
 = *Pleurotus septicus* (Fr.) P. Kumm., 1871.
 = *Pleurotellus hypnophilus* (Pers.) Fayod, 1889.
 = *Pleurotellus herbarum* (Peck) Singer, 1947.
 Dist: BA, N, RN
 Ref: Horak (1980), Lechner et al. (2004), Raithelhuber (1988, 1991, 2004), Singer (1954, 1969),
 Singer & Digilio (1952), Spegazzini (1880b, 1881, 1926b).
- Crepidotus forsteri*** (Speg.) Speg., *Syll. fung.* **9**: 115, 1891.
 ≡ *Agaricus (Crepidotus) forsteri* Speg., 1888.
 Dist: TF
 Ref: Farr (1973), Horak (1967), Singer (1947, 1950a), Spegazzini (1887b).
- Crepidotus fulvifibrillosus*** Murrill, *N. Amer. Fl.* (New York) **10**(3): 153, 1917.
 Dist: T, CAT
 Ref: Raithelhuber (2004), Singer (1953c, 1973a).
- Crepidotus fulvifibrillosus* var. *meristocystis*** (Singer) E. Horak, *Fl. criptog. Tierra del Fuego*
11(6): 326, 1980 [1979].
 Dist: TF, N
 Ref: Horak (1980), Raithelhuber (1988, 1991).
- Crepidotus icterinus*** Singer, *Beih. Nova Hedwigia* **44**: 479, 1973.
 Dist: S, T
 Ref: Raithelhuber (2004), Singer (1973a).
- Crepidotus leptomorphus*** (Berk.) Sacc., *Syll. fung.* **5**: 889, 1887.
 Dist: N, RN
 Ref: Raithelhuber (1991, 2004), Singer (1969).
- Crepidotus latifolius* var. *appendiculatus*** Singer, *Beih. Nova Hedwigia* **44**: 480, 1973.
 Dist: T
 Ref: Raithelhuber (2004).
- Crepidotus molfinoi*** Speg., *Bol. Acad. Ci. (Córdoba)* **29**(2-3): 129, 1926.
 Dist: CBA
 Ref: Farr (1973), Singer (1947, 1950a), Spegazzini (1926a).
- Crepidotus mollis*** (Schaeff.) Staude, *Schwämme Mitteledeutschl.* **25**: 71, 1857.
 ≡ *Agaricus mollis* Schaeff., 1774.

Dist: BA

Ref: Ramarodi (1992).

Crepidotus nephrodes (Berk. & M.A. Curtis) Sacc., *Syll. fung.* **5**: 882, 1887.

Dist: T, MNES, ER, N, RN, TF

Ref: Horak (1964a), Raithelhuber (1988, 1991, 2004), Singer (1953b, 1954, 1973a), Singer & Digilio (1952), Wright & Albertó (2002), Wright et al. (2008), Wright & Wright (2005).

Crepidotus nephrodes var. **meristocystis** Singer, *Sydowia* **8**: 146, 1954.

Dist: N

Ref: Singer (1954, 1969).

Crepidotus nephrodes var. **minimus** Singer, *Sydowia* **8**: 147, 1954.

Dist: N

Ref: Raithelhuber (1988), Singer (1954, 1969).

Crepidotus palmarum Singer, *Lilloa* **25**: 406, 1952 [1951].

Dist: MNES

Ref: Raithelhuber (1988, 1991, 2004), Singer (1953a, 1973a), Singer & Digilio (1952), Wright & Wright (2005).

Crepidotus parlatoresi Singer, *Lilloa* **25**: 412, 1952 [1951].

Dist: J, T

Ref: Horak (1964a), Raithelhuber (1988, 1991, 2004), Singer (1973a), Singer & Digilio (1952).

Crepidotus pilatii Raithelh., *Hong. Argentin.* **2**: 129, 1977.

Dist: RN

Ref: Raithelhuber (1977, 1988, 1991, 2004).

Crepidotus podocarpi Singer, *Lilloa* **25**: 413, 1952 [1951].

Dist: T, CAT

Ref: Raithelhuber (1991, 2004), Singer (1973a), Singer & Digilio (1952).

Crepidotus quitensis Pat., *Syll. fung.* **11**: 63, 1895.

Dist: S, T, MNES

Ref: Horak (1964a), Raithelhuber (1988, 1991, 2004), Singer (1953a, 1973a), Singer & Digilio (1952), Wright & Wright (2005).

Crepidotus quitensis f. **mixta** Singer, *Lilloa* **25**: 408, 1952 [1951].

Dist: MNES

Ref: Singer & Digilio (1952), Wright & Wright (2005).

Obs: NVP

Crepidotus quitensis f. **wakefiediae** Singer, *Lilloa* **25**: 408, 1952 [1951].

Dist: T

Ref: Singer & Digilio (1952).

Obs: NVP

Crepidotus quitensis var. **basicrinitus** Singer, *Beih. Nova Hedwigia* **44**: 480, 1973.

Dist: T

Ref: Raithelhuber (2004), Singer (1973a).

Crepidotus reniformis Velen., *České Houby* **3**: 556, 1921.

Dist: T

Ref: Singer & Digilio (1952).

Crepidotus roseolus Singer, *Beih. Nova Hedwigia* **44**: 480, 1974.

Dist: T

Ref: Raithelhuber (2004), Singer (1973a).

Crepidotus serotinus Singer, *Sydowia* **15**: 79, 1962 [1961].

Dist: T

Ref: Raithelhuber (1991, 2004), Singer (1961, 1973a).

Crepidotus sphaerosporus var. **austronedri** Singer, *Beih. Nova Hedwigia* **29**: 325, 1969.

Dist: N

Ref: Raithelhuber (1988, 1991), Singer (1969).

Obs: *Crepidotus sphaerosporus* (Pat.) J. E. Lange is a synonym of *Crepidotus cesatii* (Rabenh.) Sacc. (see below).

Crepidotus stercorarius Singer, *Lilloa* **25**: 409, 1952 [1951].

Dist: N, RN, TF

Ref: Horak (1980), Raithelhuber (1988, 1991), Singer (1953b, 1954, 1969), Singer & Digilio (1952).

Crepidotus subcroceitinctus Hesler & A.H. Sm., *North American species of Crepidotus*: 139, 1965.

Dist: N

Ref: Raithelhuber (2004), Singer (1973a).

Crepidotus sublevisporus Singer, *Lilloa* **25**: 410, 1952 [1951].

Dist: T

Ref: Horak (1964a), Raithelhuber (1988, 1991, 2004), Singer (1973a), Singer & Digilio (1952).

Crepidotus tucumanus E. Horak, *Nova Hedwigia* **8**: 338, 1964.

Dist: T
Ref: Horak (1964a).

Crepidotus truncatus var. **microcarpus** Singer, *Nova Hedwigia Beih.* **44**: 480, 1973.
Dist: T
Ref: Raitelhuber (2004).

Crepidotus uber (Berk. & M.A. Curtis) Sacc., *Syll. fung.* **5**: 878, 1887.
Dist: BA
Ref: Raitelhuber (1991, 2000, 2004), Singer (1953a, 1973a).

Crepidotus variabilis (Pers.) P. Kumm., *Führ. Pilzk.* (Zwickau): 74, 1871.
 ≡ *Agaricus variabilis* Pers., 1800 [1799].
 ≡ *Claudopus variabilis* (Pers.) Fr., 1874.
Dist: BA
Ref: Horak (1967), Ramarodi (1992), Spegazzini (1881, 1887a).

Crepidotus variisporus Singer, *Lilloa* **25**: 413, 1952 [1951].
Dist: S, T
Ref: Raitelhuber (1988, 1991, 2004), Singer (1973a), Singer & Digilio (1952).

Crepidotus xanthocephalus Singer, *Beih. Nova Hedwigia* **44**: 480, 1973.
Dist: T
Ref: Raitelhuber (2004), Singer (1973a).

Melanomphalia M. P. Crist.

Melanomphalia cortinarioides Singer, *Evolution in the higher Basidiomycetes (International Symposium)*: 450, 1971.
Dist: N
Ref: Singer (1969, 1971).

Melanomphalia crocea (Speg.) Singer, *Evolution in the higher Basidiomycetes (International Symposium)*: 454, 1971.
 ≡ *Cantharellus croceus* Speg., 1909.
Dist: J, S
Ref: Farr (1973), Singer (1971), Spegazzini (1909).

Melanomphalia inocyboides Singer, *Evolution in the higher Basidiomycetes (International Symposium)*: 461, 1971.
 ≡ *Horakomyces inocyboides* (Singer) Raitelh., 1983.
Dist: TF

Ref: Horak (1980), Raithelhuber (1983, 1991, 2004).

Melanomphalia omphaliopsis (Singer) Singer, *Evolution in the higher Basidiomycetes (International Symposium)*: 459, 1971.

≡ *Tubaria omphaliopsis* Singer, 1952 [1951].

Dist: T, CAT, MZA

Ref: Raithelhuber (1988, 1991, 2004), Singer (1969, 1971), Singer & Digilio (1952).

Melanomphalia pacifica Singer, *Evolution in the higher Basidiomycetes (International Symposium)*: 463, 1971.

Dist: ND

Ref: Singer (1969).

Obs: Singer (1969) cited this species as recorded in southern South America.

Melanomphalia platyphylla Singer, *Evolution in the higher Basidiomycetes (International Symposium)*: 454, 1971.

Dist: ND

Ref: Singer (1969).

Obs: Singer (1969) cited this species as recorded in southern South America.

Melanomphalia platensis (Speg.) Singer, *Rev. Mycol. (Paris)* **20**: 16, 1955.

≡ *Inocybe platensis* Speg., 1899 [1898].

Dist: BA

Ref: Farr (1973), Singer (1951, 1955, 1971), Spegazzini (1899).

Melanomphalia vernifera Singer, *Evolution in the higher Basidiomycetes (International Symposium)*: 449, 1971.

Dist: ND

Ref: Singer (1969).

Obs: Singer (1969) cited this species as recorded in southern South America.

Melanomphalia viscosa Singer, *Evolution in the higher Basidiomycetes (International Symposium)*: 447, 1971.

≡ *Horakomyces viscosus* (Singer) Raithelh., 1983.

Dist: TF

Ref: Horak (1980), Raithelhuber (1983, 1991, 2004), Singer (1969).

Naucoria (Fr.) P. Kumm.

Naucoria amarescens Quél., *Compt. Rend. Assoc. Franç. Avancem. Sci.* **11**: 393, 1883 [1882].

≡ *Alnicola amarescens* (Quél.) Singer, 1934.

Dist: N

Ref: Singer (1969).

Naucoria brachypus Speg., *Anales Mus. Nac. Buenos Aires* 6: 133, 1899 [1898].

Dist: BA

Ref: Farr (1973), Spegazzini (1899).

Naucoria cerodes (Fr.) P. Kumm., *Mém. Soc. Émul. Montbéliard*, Sér. 2 5: 252, 1872.

≡ *Agaricus cerodes* Fr., 1838 [1836-1838]

Dist: CBA, TF

Ref: Spegazzini (1925, 1926a).

Naucoria devia (Singer) Raithelh., *Fl. Mycol. Argentina, Hongos II* (Stuttgart): 71, 1988.

≡ *Alnicola devia* Singer, 1950.

Dist: BA

Ref: Raithelhuber (1988, 1991, 2004), Singer (1950c), Singer & Digilio (1952).

Naucoria diplocystis (Singer) Raithelh., *Fl. Mycol. Argentina, Hongos III* (Stuttgart): 120, 1988.

≡ *Alnicola diplocystis* Singer, 1950.

Dist: T

Ref: Raithelhuber (1988, 1991, 2004), Singer (1950c), Singer & Digilio (1952).

Naucoria escharioides (Fr.) P. Kumm., *Führ. Pilzk.* (Zwickau) 22: 76, 1871.

≡ *Agaricus escharioides* Fr., 1818.

≡ *Alnicola escharioides* (Fr.) Romagn., 1942.

Dist: T, CAT

Ref: Becerra et al. (2002).

Naucoria melinoides (Bull.) P. Kumm., *Führ. Pilzk.* (Zwickau): 77, 1871.

≡ *Agaricus melinoides* Bull., 1793 [1792-93].

≡ *Alnicola melinoides* (Bull.) Kühner, 1926.

Dist: T, CAT, BA

Ref: Horak (1967), Singer (1969), Spegazzini (1887a, 1899, 1912, 1919)

Naucoria microsperma Speg., *Bol. Acad. Ci. (Córdoba)* 28: 322, 1926.

Dist: MNES

Ref: Farr (1973), Spegazzini (1926b).

Naucoria pusillima Speg., *Bol. Acad. Nac. Ci. Republ. Argent.* 11(4): 425, 1889.

Dist: BA

Ref: Farr (1973), Spegazzini (1899)

Naucoria scolecina (Fr.) Quél., *Mém. Soc. Émul. Montbéliard*, Sér. 2 5: 438, 1875.

≡ *Agaricus scolecinus* Fr., 1838 [1836-1838].

≡ *Alnicola scolecina* (Fr.) Romagn., 1944 [1942].

Dist: T

Ref: Raithelhuber (1988, 1991, 2004), Singer (1950c), Singer & Digilio (1952).

Pleurotellus Fayod [= **Crepidotus** (Fr.) Staude]

Pleurotellus chioneus (Pers.) Kühner, *Botaniste* **17**: 114, 1926.

≡ *Agaricus variabilis* var. *chioneus* Pers., 1828.

Dist: BA

Ref: Raithelhuber (1974, 1988), Singer & Digilio (1952).

Pleurotellus chioneus var. **friesii** Raithelh., *Hong. Argentina*. **1**: 145, 1974.

Dist: BA

Ref: Raithelhuber (1974, 1988, 1991, 2004).

Simocybe P. Karst.

Simocybe curvipes (Singer) Singer, *Sydowia* **15**: 73, 1962 [1961].

≡ *Naucoria curvipes* Singer, 1954.

Dist: N, RN

Ref: Horak (1980), Raithelhuber (1988, 1991, 2004), Singer (1954, 1969).

Simocybe disseminata var. **alneti** (Singer) Raithelh., *Fl. Mycol. Argentina, Hongos III* (Stuttgart): 244, 1991.

≡ *Simocybe alneti* Singer, 1989.

Dist: J

Ref: Singer (1989), Raithelhuber (1991, 2004).

Simocybe drimydis E. Horak, *Fl. criptog. Tierra del Fuego* **11**(6): 310, 1980 [1979].

Dist: TF

Ref: Horak (1980), Raithelhuber (1988, 1991, 2004).

Simocybe junquillea Singer, *Sydowia* **15**: 72, 1962 [1961].

Dist: J, T

Ref: Raithelhuber (1991, 2004), Singer (1961, 1973a).

Simocybe junquillea var. **tucumana** (Singer) Raithelh., *Nueva Flora Micológica Argentina* (Stuttgart): 269, 2004.

≡ *Simocybe tucumana* Singer, 1962 [1961].

Dist: T

Ref: Raithelhuber (1991, 2004), Singer (1961, 1973a).

Simocybe olivaceiceps (Singer) Singer, *Sydowia* **15**: 74, 1962 [1961].
 ≡ *Naucoria olivaceiceps* Singer, 1954.

Dist: N, RN

Ref: Raithelhuber (1988, 1991, 2004), Singer (1954, 1969).

Simocybe olivaceonana (Singer) Singer, *Sydowia* **15**: 74, 1962 [1961].
 ≡ *Naucoria olivaceonana* Singer, 1954.

Dist: N, RN

Ref: Raithelhuber (1988, 1991, 2004), Singer (1954, 1969).

Simocybe pallidissima (Singer) Singer, *Metrodiana, Sonderh.* **2**: 19, 1962.
 ≡ *Naucoria pallidissima* Singer, 1952 [1951].

Dist: T

Ref: Raithelhuber (1988, 1991, 2004), Singer (1973a), Singer & Digilio (1952).

Simocybe pantelaodes (Singer) Singer, *Sydowia* **15**: 74, 1962 [1961].
 ≡ *Naucoria pantelaodes* Singer, 1954.

Dist: N, RN

Ref: Raithelhuber (1988, 1991, 2004), Singer (1954, 1969).

Simocybe peullensis Singer, *Beih. Nova Hedwigia* **29**: 290, 1969.

Dist: TF

Ref: Raithelhuber (1988, 1991, 2004), Horak (1980).

Simocybe polytropa (Singer) Singer, *Sydowia* **15**: 74, 1962 [1961].
 ≡ *Naucoria polytropa* Singer, 1953.

Dist: T, N, RN, TF

Ref: Horak (1980), Raithelhuber (1988, 1991, 2004), Singer (1953b, 1954, 1969), Singer & Digilio (1952).

Simocybe polytropoides Singer, *Sydowia* **15**: 74, 1962 [1961].

Dist: T

Ref: Singer (1961, 1973a).

Simocybe praecandina (Singer) Singer, *Sydowia* **15**: 74, 1962 [1961].
 ≡ *Naucoria praeandina* Singer, 1950.

Dist: T

Ref: Raithelhuber (1988, 1991, 2004), Singer (1973a), Singer & Digilio (1952).

Simocybe urosphaera Singer, *Beih. Nova Hedwigia* **29**: 289, 1969.

Dist: N

Ref: Raithelhuber (1988, 1991, 2004), Singer (1969).

Tubaria (W. G. Sm.) Gillet

Tubaria cisneroana Speg., *Anales Mus. Nac. Buenos Aires* **6**: 137, 1899 [1898].

Dist: CTES

Ref: Farr (1973), Singer (1951), Spegazzini (1899).

Tubaria confragosula (Singer) Contu, *Bollettino dell'Associazione Micologica ed Ecologica Romana* **15**(48): 13, 2000.

≡ *Phaeomarasmius confragosulus* Singer, 1953.

Dist: T

Ref: Singer (1953c).

Tubaria fimiseda Speg., *Anales Mus. Nac. Buenos Aires* **6**: 137, 1899 [1898].

Dist: BA

Ref: Farr (1973), Singer (1951), Spegazzini (1899).

Tubaria furfuracea (Pers.) Gillet, *Hyménomycètes* (Alençon): 537, 1876.

≡ *Agaricus furfuraceus* Pers., 1801.

= *Psilocybe heterosticha* (Fr.) Singer, 1969.

= *Tubaria hiemalis* Romagn. ex Bon, 1973.

Dist: BA, RN

Ref: Moreno & Albertó (1996), Raithelhuber (1988, 1991, 2004), Singer (1969), Wright & Albertó (2002).

Tubaria furfuracea var. **anthracophila** (P. Karst.) Singer, *Beih. Nova Hedwigia* **29**: 321, 1969.

≡ *Tubaria anthracophila* P. Karst., 1881.

Dist: N, RN

Ref: Raithelhuber (1977, 1988, 1991, 2004), Singer (1969).

Tubaria furfuracea var. **novembris** Singer, *Beih. Nova Hedwigia* **29**: 322, 1969.

Dist: N, RN

Ref: Raithelhuber (1977, 1988, 1991, 2004), Singer (1969).

Tubaria gregoriana (Speg.) Sacc., *Syll. fung.* **9**: 111, 1891.

≡ *Agaricus (Naucoria) gregoriana* Speg., 1887.

≡ *Naucoria gregoriana* (Speg.) Speg., 1891.

Dist: N, RN, TF

Ref: Farr (1973), Horak (1967), Raithelhuber (1988, 1991, 2004) Singer (1954), Spegazzini (1887a).

Tubaria hookeri (Speg.) E. Horak, *Fl. criptog. Tierra del Fuego* **11**(6): 314, 1980 [1979].

≡ *Cortinarius hookeri* Speg., 1887.

≡ *Phaeomarasmius hookeri* (Speg.) E. Horak, 1967.

Dist: N, RN, TF

Ref: Farr (1973), Horak (1967, 1980), Raithelhuber (1988, 1991, 2004), Spegazzini (1887a, 1887b).

Tubaria jaffuelii (Speg.) Singer, *Beih. Nova Hedwigia* **29**: 323, 1969.

≡ *Mycena jaffuelii* Speg., 1917.

≡ *Pluteus jaffuelii* (Speg.) Singer, 1954.

Dist: BA, N, RN, TF

Ref: Farr (1973), Horak (1964b, 1980), Raithelhuber (1977, 1988, 1991, 2004), Singer (1954, 1958, 1969).

Tubaria moseri Raithelh., *Hong. Argentin.* **1**: 148, 1974.

Dist: BA

Ref: Raithelhuber (1974, 1988, 1991, 2004).

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Dist: BA

Ref: Farr (1973), Singer (1951), Spegazzini (1899).

Tubaria pseudoripartites Singer, *Lilloa* **25**: 396, 1952 [1951].

Dist: S

Ref: Raithelhuber (1988, 1991, 2004), Singer & Digilio (1952).

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Dist: N, RN

Ref: Raithelhuber (1977, 1988, 1991, 2004), Singer (1969).

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