

CUADERNOS DE TRABAJO
DE
FLORA MICOLÓGICA IBÉRICA
16

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NOMENMYX
A NOMENCLATURAL TAXABASE
OF MYXOMYCETES

by
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(Arranged by J.C. Hernández)

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INTRODUCTION

The Myxomycetes are a well defined and relatively homogeneous group of eukaryotic organisms, formerly considered as fungi, that are common inhabitants of terrestrial ecosystems throughout the world.

Since the publication of the monograph of MARTIN & ALEXOPOULOS (1969), an obligatory reference source for all who are interested in the taxonomy and nomenclature of Myxomycetes, many changes have occurred, more than 500 new taxa have been published, and the nomenclatural status of some others has changed (*Index of Fungi*, 1969-1999). For these reasons, a new updated version of the names of Myxomycetes and their nomenclatural relationships is needed.

Since the 1 May 1753, the starting point for the nomenclature used for Myxomycetes, according to the *International Code of Botanical Nomenclature*, *ICBN* (GREUTER et al., 2000), almost 4000 names have been applied to various taxa, but only 900 are legitimate names for accepted species, 2100 are obligate or facultative synonyms, and about 1000 are of unknown application. Many species have been combined under several genus names; in a number of cases, incorrect authors' names and erroneous citations have been used. For further taxonomic studies, and for correct naming, a nomenclatural database was compiled by the author, with the help of the database structure created by F. Pando (PANDO et al., 1999).

NOMENMYX, is an inventory of names used in the literature. It is linked to a major project INFOMYX (LADO, 1996) that is designed to facilitate, by means of databases, the job of the taxonomist, of the herbarium keeper and authors of taxonomic and floristic manuscripts, including checklists (LADO, 1994), inventories, catalogues, mycobiotas (LADO & PANDO, 1997), and maps. It is hoped that this list will be of some use to myxomycetologists as well as mycologists, parataxonomists, curators, biogeographers, ecologists, environment specialists, and other scientists, to facilitate their work with these organisms and for the

interpretation of their names. Although not the primary focus of the inventory, the author thinks that this list also will serve, as a draft or starting point for the development of a list of "*Names in Current Use (NCU)*" to be employed for Myxomycetes, in the manner defined by GREUTER (1993) and GREUTER et al. (1993).

In the near future, we plan to supplement this information with additional information about the type specimen of each taxon, such as reference to the herbarium where it is deposited, the transcription of the original description or another good description, its distribution, its substratum, synoptic keys, etc., which we believe will establish the basis for a more rational and precise understanding of the Myxomycetes. Expert myxomycetologists from different parts of the world are already working along these lines, which were aired as ideas at ICSEM2 and ICSEM3 (LADO, 1996; MITCHELL, 1996, 1999, PANDO, 1999, Schnittler, pers. comm.). This effort is dedicated to them.

CRITERIA FOLLOWED

The impressive monograph of MARTIN & ALEXOPOULOS (1969) has been chosen as the starting point for the elaboration of NOMENMYX. Their comments provide a synthesis of nomenclatural and taxonomic knowledge to date, and they are so enlightening that, by choice, portions have been transcribed or extracted to preserve their valuable contribution. In these cases, a reference (simplified as "M. & A., 1969:") is included. Other pre-1969 books or papers such as those produced by ROSTAFINSKY (1874, 1875, 1876), LISTER (1894, 1911, 1925), MACBRIDE (1899), G. LISTER (1913), KRZEMIENIEWSKA (1960) or MARTIN (1966), and others later books such as NANNENGA-BREMEKAMP (1974, 1991), FARR (1976), NEUBERT et al. (1993, 1995, 2000), LADO & PANDO (1997), YAMAMOTO (1998), ING (1999) or KELLER & BRAUN (1999), are considered and checked. To the list obtained, all the names proposed since 1968 to the present have been added, as well as several old names not recorded in

MARTIN & ALEXOPOULOS (1969) and which had not been included in recent monographs and taxonomic papers. A complementary revision of the names listed in previous compilations such as Saccardo, *Sylloge Fungorum* (1882-1931, 1972), *Index to Saccardo's Sylloge Fungorum* (REED & FARR, 1993), *Petrak's Lists* (ANON., 1950-), or *Index of Fungi* (ANON., 1940-), has also been made, and some of the comments herein have their origin in these sources.

All the data have been compiled in a standard format in a database structure formulated so that one record was equivalent to one name. Each record has the following fields or blocks of information:

1.–Name of taxon (including the genus name, species epithet, infraspecific rank (if applicable), infraspecific epithet (if applicable), author(s) name(s), reference to the protologue and year of publication. This name could be an accepted name, a basionym, a synonym or an invalid, excluded or doubtful name.

2.–Basionym (if different).

3.–Accepted name (if different).

4.–Reference to the source of information.

5.–Comments.

Whenever possible, the data have been confirmed by consulting the original publication.

The basionym is the binomial and the place where the name was originally published. It is the name upon which a new combination or replacement name (i.e., *nom. nov.*) is based.

Two types of synonyms have been recognized. Those based upon the same type specimen (called obligate synonyms, homotypic synonyms or nomenclatural synonyms, with the symbol \equiv) are typically the result of transfers of a species epithet from one genus to another; those synonyms based upon different type specimens (facultative synonyms, heterotypic synonyms or taxonomic synonyms, with the symbol $=$) are so considered when a taxonomist concluded that the types for different epithets are different specimens of the same myxomycete. Because the facultative synonyms recognized by one author may not be accepted by other authors, a reference is given to the paper where the synonymy was proposed so that users can evaluate the basis for the synonymy. Unless otherwise stated, the facultative synonyms are from MARTIN & ALEXOPOULOS (1969).

Following the recommendations of the *International Code of Botanical Nomenclature* (ICBN), and pursuing a universal standard, authors' names have been abbreviated according to BRUMMIT & POWELL (1992), and when not included therein, similar criteria have been used. In the case of more than two authors, the ICBN recommends use of the first author followed by "et al." or "& al." except in the original publication, nevertheless, for a better interpretation of the references to the protologues, all the names have been included. Titles of journals have been abbreviated according to the B-P-H (*Botanico-Periodicum-Huntianum*. Pittsburg, 1969) and its supplement [B-P-H/S (*Botanico-Periodicum-Huntianum/Supplementum*. Pittsburg, 1991)]. Book titles have been abbreviated as in STAFLEU & COWAN, TL-2, Taxonomic Literature, edition 2 (*Regnum Veg.* 94, 98, 105, 110, 112, 115, 116, 125, 130, 132, 134, 135). As a general criterion, the standards proposed by the International Working Group on Plant Taxonomic Databases for Plant Sciences (TDWG) have been followed. Three appendices with listings of authors, periodicals and abbreviations of books, have also been included.

For the paper presentation of NOMENMYX, the taxa are arranged alphabetically by genera and currently accepted species. For the most part, the generic treatment follows MARTIN et al. (1983), with some modifications proposed by NANNENGA-BREMEKAMP (1967) for members of the order Stemonitales. Orthographic variants and transcriptional errors have been corrected. The accepted names of the species appear in bold characters, followed by the basionym (if different) and homotypic synonyms (obligate synonyms) in italics. Heterotypic synonyms (facultative synonyms) and their associated combinations have been listed, also in italics and in separate lines. Infraspecific taxa, due to the inconsistency of distinctive characters in many of the cases, have been considered under the respective species.

Invalid names according to ICBN, names which are difficult to interpret or those attributed to taxa of dubious identity come under "*Invalid, excluded or doubtful names*".

Editorial comments on the status of names, bibliographic, orthographic or typographic corrections, citations in previous compilations, reference to homonyms and to relevant articles in the *St. Louis Code* have been indicated by the use of [].

For ease in locating the taxa, two indexes, one arranged by genera and species and other arranged by epithets, have been included.

TAXONOMICALLY CORRECT NAMES

NOMENMYX is a nomenclatural and not a taxonomic database. Nevertheless, it was decided to give one *correct name* (from a taxonomic point of view) for every species, whenever possible; otherwise, the database would be of little use. Unfortunately, few recent monographs have been published on the genera of Myxomycetes; in most cases, the 'accepted name' is a name used in the newest surveys of Myxomycetes by MARTIN & ALEXOPOULOS (1969) or FARR (1976) (the classification used by them is characterized by the tendency to put together some genera and species, a unionist tendency) and NANNENGA-BREMEKAMP (1991) and NEUBERT et al. (1993, 1995) (characterized by more of a splitting tendency).

The author has a different opinion with reference to the status of several taxa, but it would be inappropriate to make any taxonomic rearrangements in this database. Some genera such as *Collaria* Nann.-Bremek, *Paradiacheopsis* Hertel, *Paradiachea* Hertel, *Stemonitopsis* Nann.-Bremek. or *Symphytocarpus* Ing & Nann.-Bremek., are not recognized as autonomous by MARTIN & ALEXOPOULOS (1969) and most other North American myxomycetologists, but they are by the majority of European and Asian authors. On the other hand, the genus *Dictydium* Schrad., an autonomous genus in the concept of MARTIN & ALEXOPOULOS (1969), is actually synonymized to *Cribraria* Pers. by almost all workers. The author agrees with these criteria, but a myxomycetologist who does not agree with the arrangement indicated above, will find alternative names all listed together. The indexes also will facilitate the search for a particular epithet and its related taxa.

The data compiled in this volume comprises all the nomenclatural proposals made up to the end of the year 2000. Genera of recent creation, such *Kelleromyxa* Eliasson, *Arcyriatella* Hochg. & Gottsb., or *Stemonaria* Nann.-Bremek., R. Sharma & Y. Yamam., have also been included.

The ICBN has not sanctioned the names of Myxomycetes, and the starting point for the

nomenclature of the group is fixed with Linnaeus' *Species Plantarum* of 1753. To avoid name changes, tolerance has been shown towards combinations based on indirect references in the older literature (before 1 January 1953), but with new combinations, the art. 33.3 of the ICBN (GREUTER et al., 2000) have been applied.

The author has not yet been able to find nomenclaturally correct names for all of the species included herein, and possibly there are errors. The present manuscript should be considered open-ended, that is, amenable to possible alterations, and the author thanks, in advance, any users who may point out errors, additions, omissions or lack of precision.

Recently, several programs on discs or web sites (PARMASTO, 1997; STALPERS & STEGEHUIS, 1997) have been created for other groups of fungi, and the presentation of the information in all these cases is very similar, for an easier, more rapid and up to date retrieval and consultation of the information. We are working to make this nomenclatural database available through the Internet. For future reference to this nomenclatural database, visit the web page of the Royal Botanic Gardens: <http://www.rjb.csic.es>

When using these data for preparing a publication, please cite this volume in the list of literature.

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ABBREVIATIONS

This list contains abbreviations (except authors of names, book titles and periodicals) used frequently in the text.

art. *articulum* (article, of the ICBN)
 cf. *confer* (compare)
 comb. *combinatio* (combination)
 comb. nov. *combinatio nova* (new combination)
 comb. superfl. *combinatio superflua* (superfluous combination)
 ed. *editio* (edition)
 eds. *editores* (editors)
 emend. *emendavit* (emended)
 et al. *et alii* (and others)
 f. *filius* (son) or form
 fig(s). figure(s)
 fl. *floruit* (of a person, he lived at this period)
 IAPT International Association for Plant Taxonomy
 ICBN International Code of Botanical Nomenclature
 i.e. *id est* (that is)
 in herb. *in herbarium* (in a herbarium)
 in litt. *in litteris* (in correspondence)
 in sched. *in schedula* (on a herbarium label)
 ined. *ineditus* (unpublished)
 l.c. *loco citato* (at the place cited)

M. & A. Martin & Alexopoulos (in reference to their book)
 msc. *manuscriptum* (manuscript)
 n.v. *non vidi* (I have not seen)
 nom. conf. *nomen confusum* (confused name)
 nom. cons. *nomen conservandum* (name conserved in ICBN)
 nom. dub. *nomen dubium* (doubtful name)
 nom. illeg. *nomen illegitimum* (illegitimate name)
 nom. inval. *nomen invalidum* (invalid name)
 nom. nov. *nomen novum* (new name)
 nom. nud. *nomen nudum* (name unaccompanied by a description or reference to a published description)
 nov. *novus, -a, -um* (new)
 orth. *varietas orthographia* (spelling variation)
 p. *pagina* (page)
 pers. comm. personal communication
 pl. *plate* (plate, meaning full-page illustration)
 p.p. *pro parte* (partly, in part)
 prop. *propositus* (proposed)
 q.v. *quod vide* (which see)
 ser. *series* (serie)
 sp. *species* (species)
 stat. *status* (rank)
 stat. nov. *status novus* (new rank)
 subgen. *subgenus* (subgenus)
 subsp. *subspecies* (subspecies)
 superfl. *superfluous* (superfluous)
 tab. *tabula* (plate, meaning full-page illustration)
 var. *varietas* (variety)
 vol. volume
 & *et* (and)
 = heterotypic synonym
 ≡ homotypic synonym

LIST OF ACCEPTED NAMES

- ARCYODES** O. F. Cook, Science 15: 651 (1902) [M. & A., 1969: 139]
 = *Arcyria* ["Trib."] *Lachnobotulus* Fr., Syst. Mycol. 3(1): 177 (1829) [See ICBN, art. 33.8]
Lachnobotulus (Fr.) Fr., Summa Veg. Scand.: 457 (1849) [Nom. illeg., non *Lachnobotulus* Fr., 1825] [In Fl. Scan.: 356 (1835), Fries made passing reference to *Lachnobotulus* as a genus intermediate between *Arcyria* and *Trichia*, and formally published it as such in Summa Veg. Scand.: 457 (1849), making the type *Lachnobotulus circinans* (Fr.) Fr. Obviously, *Lachnobotulus* Fr., 1849, is a later homonym of *Lachnobotulus* Fr., 1825, and is a nom. illeg. (M. & A., 1969: 140). See also comments under *Lachnobotulus* Fr., 1825]
- Arcyodes incarnata** (Alb. & Schwein.) O. F. Cook, Science 15: 651 (1902) [M. & A., 1969: 140]
 = *Licea incarnata* Alb. & Schwein., Consp. Fung. Lusat.: 109 (1805) [M. & A., 1969: 140]
Lycogala incarnatum (Alb. & Schwein.) Sw., Kongl. Svenska Vetenskapsakad. Handl. 3: 112 (1815) [M. & A., 1969: 140]
Perichaena incarnata (Alb. & Schwein.) Fr., Syst. Mycol. 3: 193 (1829) [M. & A., 1969: 140]
Lachnobotulus incarnatus (Alb. & Schwein.) J. Schröt., Krypt.-Fl. Schlesien Pilze Schles. 3(1): 110 (1885) [M. & A., 1969: 140]
 = *Physarum congestum* Sommerf., Suppl. Fl. Lapp.: 241 (1826) [M. & A., 1969: 140]
Perichaena congesta (Sommerf.) Fr., Syst. Mycol. 3: 192 (1829) [M. & A., 1969: 140]
Licea congesta (Sommerf.) Wallr., Fl. Crypt. Germ. 2: 345 (1833) [M. & A., 1969: 140]
Arcyria congesta (Sommerf.) Berk. & Broome, Ann. Mag. Nat. Hist., ser 4. 17: 140 (1876) [M. & A., 1969: 140]
Lachnobotulus congestus (Sommerf.) Cooke, Contr. Mycol. Brit.: 74 (1877) [M. & A., 1969: 140, attribute it to G. Lister, and Berlese in Saccardo, Syll. Fung. 3: 434 (1888) to Berk. & Broome]
 = *Arcyria circinans* Fr., Stirp. Agri Fenslon.: 83 (1827)
Lachnobotulus circinans (Fr.) Fr., Summa Veg. Scand.: 457 (1849) [M. & A., 1969: 140]
 = *Lachnobotulus sauteri* Rostaf. in Fuckel, Jahrb. Nassauischen Vereins Naturk. 27-28: 76 (1873) [M. & A., 1969: 140]
 = *Arcyria hariatii* Masee, Monogr. Myxogastr.: 155 (1892) [M. & A., 1969: 140]
- ARCYRIA** F. H. Wigg., Prim. Fl. Holsat.: 109 (1780) [M. & A., 1969: 121]
 = *Nassula* Fr., Summa Veg. Scand.: 456 (1849) [M. & A., 1969: 121]
 = *Arcyria* subgen. *Clathroides* Rostaf., Sluzowce Monogr.: 275 (1875) [M. & A., 1969: 121] [The subgenus is based on a pre-Linnaean name employed by Micheli, Nov. Pl. Gen.: 214 (1729)]
 = *Arcyria* subgen. *Arcyrella* Rostaf., Sluzowce Monogr.: 275 (1875) [See also Rostafiński, Sluzowce Monogr.: 432 (1875) and Sluzowce Monogr. Suppl.: 36 (1876)] [M. & A., 1969: 121]
Arcyrella (Rostaf.) Racib., Rozpr. Spraw. Posiedzen Wydz. Mat.-Przyr. Akad. Umiejtn 12: 80 (1884) [M. & A., 1969: 121]
 = *Heterotrichia* Masee, Monogr. Myxogastr.: 139 (1892) [M. & A., 1969: 121]
- Arcyria affinis** Rostaf., Sluzowce Monogr.: 276 (1875) [emend. Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch., C 71(1): 39 (1968). Cited as a doubtful synonym of *A. incarnata* var. *fulgens* by G. Lister, Monogr. Mycetozoa, ed. 2: 242 (1911), ed. 3: 238 (1925). Regarded as distinct by Krzemieniewska, Sluzowce Polsk.: 263 (1960)]
- Arcyria afroalpina** Rammeloo, Bull. Jard. Bot. Belg. 51(1/2): 229 (1981)
- Arcyria aggregata** Yu Li, Shuang L. Chen & H. Z. Li, Mycosystema 6: 108 (1993)
- Arcyria annulifera** G. Lister & Torrend in Torrend, Brotéria, Sér. Bot. 7: 42 (1908) [See Torrend, Fl. Myxom.: [271] (1909)]
- Arcyria assamica** Agnihothr., J. Indian Bot. Soc. 37: 501 (1958) [M. & A., 1969: 130]
- Arcyria aureoglobosa** Y. Yamam., J. Jap. Bot. 65(10): 296 (1990)
- Arcyria biniensis** Ejale & L. S. Gill, Acta Mycol. 27(2): 268 (1992)
- Arcyria brooksii** T. N. Lakh. & K. G. Mukerji, Kavaka 7: 59 (1980) ["1979"] ["brooksea"]

- Arcyria bulbosa*** S. L. Stephenson & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch. 93(2): 187 (1990)
[The number 1344 of the holotype refers to the collection number of S. L. Stephenson, which was sent to Nannenga-Bremekamp and so is probably deposited at BR (Stephenson, in litt.), see ICBN, art. 37.6]
- Arcyria cinerea*** (Bull.) Pers., Syn. Meth. Fung.: 184 (1801) [M. & A., 1969: 124]
= *Trichia cinerea* Bull., Herb. France pl. 477, f. 3 (1790) [non *T. cinerea* Trentep., 1797] [M. & A., 1969: 124]
Stemonitis cinerea (Bull.) J. F. Gmel., Syst. Nat. 2: 1467 (1792) [M. & A., 1969: 124]
= *Arcyria albida* Pers., Neues Mag. Bot. 1: 90 (1794) [M. & A., 1969: 124]
= *Stemonitis glauca* Trentep. in Roth, Catal. Bot. 1: 221 (1797) [M. & A., 1969: 124]
= *Stemonitis digitata* Schwein., Trans. Amer. Philos. Soc. 4: 260 (1832) [M. & A., 1969: 124]
Arcyria digitata (Schwein.) Rostaf., Sluzowce Monogr.: 274 (1875) [M. & A., 1969: 125]
Arcyria cinerea var. *digitata* (Schwein.) G. Lister, Monogr. Mycetoza, ed. 3: 232 (1925) [Petrak's list, 1952: 452]
= *Arcyria trichioides* Corda, Icon. Fung. 2: 23 (1838) [M. & A., 1969: 125]
= *Arcyria leprieurii* Mont., Ann. Sci. Nat. Bot., sér. 4. 3: 141 (1855) [M. & A., 1969: 125]
= *Stemonitis grisea* Opiz, Lotos 5: 215 (1855) [M. & A., 1969: 125]
= *Arcyria bicolor* Berk. & M. A. Curtis in Berkeley, J. Linn. Soc., Bot. 10: 239 (1868) [M. & A., 1969: 125]
= *Arcyria pallida* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 67 (1873) [M. & A., 1969: 125]
= *Arcyria cinerea* var. *subleionema* Rostaf., Sluzowce Monogr.: 274 (1875)
= *Arcyria friesii* Berk. & Broome, Ann. Mag. Nat. Hist., ser 4. 17: 140 (1876) [M. & A., 1969: 125]
= *Arcyria stricta* Rostaf., Sluzowce Monogr. Suppl.: 36 (1876) [M. & A., 1969: 125]
= *Lachnobolus arcyrella* Rostaf., Sluzowce Monogr. Suppl.: 431 (1876) [Is cited by G. Lister, Monogr. Mycetoza, ed. 3: 232, 1925, as a doubtful synonym of *A. cinerea* (Bull.) Pers. Berlese in Saccardo, Syll. Fung. 7: 434 (1888), recognized the species, M. & A., 1969: 125]
= *Comatricha alba* Schulzer, Oesterr. Bot. 27: 167 (1877) [M. & A., 1969: 125]
= *Arcyria cinerea* var. *cribroides* Raunk., Bot. Tidsskr. 17: 58, 107 (1890)
= *Arcyria cookei* Massee, Monogr. Myxogastr.: 154 (1892) [M. & A., 1969: 125]
= *Arcyria tenuis* J. Schröt. in Hennings, Hedwigia 35: 207 (1896) [M. & A., 1969: 125]
= *Arcyria digitata* f. *subglobosa* Meyl., Annuaire Conserv. Jard. Bot. Genève 15-16: 321 (1913)
= *Arcyria cinerea* f. *subglobosa* Meyl., Bull. Soc. Vaud. Sci. Nat. 55: 244 (1924)
= *Arcyria digitata* f. *globosa* Meyl., Bull. Soc. Vaud. Sci. Nat. 55: 244 (1924)
= *Arcyria cinerea* f. *rubella* Y. Yamam., Bull. Natl. Sci. Mus., Tokyo, B 26(3): 107 (2000)
- Arcyria colloderma*** Nann.-Bremek. & S. L. Stephenson in Stephenson & Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch. 93(2): 189 (1990)
- Arcyria corymbosa*** M. L. Farr & G. W. Martin, Brotéria, Ci. Nat. 27: 154 (1958) [M. & A., 1969: 126]
- Arcyria denudata*** (L.) Wettst., Verh. Zool.-Bot. Ges. Wien 35: Abh. 535 (1886) [M. & A., 1969: 126]
= *Clathrus denudatus* L., Sp. Pl.: 1179 (1753) [M. & A., 1969: 126]
Trichia denudata (L.) Vill., Hist. Pl. Dauphiné: 1060 (1789) [M. & A., 1969: 126]
Stemonitis denudata (L.) Relhan, Fl. Cantab. ed. 3: 574 (1820) [M. & A., 1969: 126]
= *Mucor clathroides* Scop., Fl. Carniol., ed. 2, 2: 493 (1772) [M. & A., 1969: 126]
= *Mucor pyriformis* Leers, Fl. Herborn.: 288 (1775) [Nom. illeg., non *M. pyriformis* Scop., 1772] [M. & A., 1969: 126]
Arcyria clathroides (Scop.) F. H. Wigg., Prim. Fl. Holsat.: 109 (1780) [M. & A., 1969: 126]
= *Embolus crocatus* Batsch, Elench. Fung. Continuatio Prima: 365 (1786) [M. & A., 1969: 126]
Stemonitis crocata (Batsch) Willd., Fl. Berol. Prodr.: 408 (1787) ["crocatus"] [M. & A., 1969: 126]
= *Stemonitis coccinea* Roth, Tent. Fl. Germ. 1: 548 (1788) [M. & A., 1969: 126]
= *Trichia graniformis* Hoffm., Veg. Crypt. 2: 3 (1790) [M. & A., 1969: 126]
= *Trichia cinnabaris* Bull., Herb. France, pl. 502, f. 1 (1791) [M. & A., 1969: 126]
= *Stemonitis crocea* J. F. Gmel., Syst. Nat. 2: 1467 (1792) [M. & A., 1969: 126]
= *Trichia rufa* With., Bot. Arr. Brit. Pl., ed. 2, 3: 478 (1792) [M. & A., 1969: 126]
= *Arcyria punicea* Pers., Neues Mag. Bot. 1: 90 (1794) [M. & A., 1969: 126]
= *Arcyria conjugata* Schumach., Enum. Pl. 2: 215 (1803) [M. & A., 1969: 126]

- =? *Arcyria minor* Schwein., Trans. Amer. Philos. Soc. 4: 259 (1832) [The Lister monograph lists it as a doubtful synonym of *A. incarnata* (Pers. ex J. F. Gmel.) Pers. Schweinitz does say “affinis *A. incarnata*”, but the description applies better to a small form of *A. denudata* (L.) Wettst., and Morgan applied Schweinitz’s name to such collections, M. & A., 1969: 127]
- = *Arcyria vernicosa* Rostaf., Sluzowce Monogr. Suppl.: 36 (1876) [M. & A., 1969: 126]
- = *Arcyria punicea* var. *cribroides* Raunk., Bot. Tidsskr. 17: 60, 108 (1890)
- = *Arcyria denudata* var. *globosa* Georgev., Bull. Soc. Sc. Skoplje 6: 131 (1929) [Petrak’s list, 1953: 6]
- Arcyria exigua*** Yu Li, Shuang L. Chen & H. Z. Li, Mycosystema 6: 107 (1993)
- Arcyria fasciculata*** Dhillon & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 81(2): 143 (1978)
- Arcyria ferruginea*** Saut., Flora 24: 316 (1841) [non *A. ferruginea* Fuckel, 1870] [M. & A., 1969: 127]
- = *Arcyria dictyonema* Rostaf., Sluzowce Monogr.: 279 (1875) [M. & A., 1969: 127]
- = *Arcyria intricata* Rostaf., Sluzowce Monogr. Suppl.: 37 (1876) [M. & A., 1969: 127]
- = *Arcyria cinnamomea* Hazsl., Oesterr. Bot. 27: 84 (1877) [M. & A., 1969: 127]
- = *Arcyria bonaerensis* Speg., Anales Soc. Ci. Argent. 10: 151 (1880) [M. & A., 1969: 127]
- = *Arcyria macrospora* Peck, Annual Rep. New York State Mus. 34: 43 (1883) [M. & A., 1969: 127]
- = *Arcyrella inermis* Racib., Rozpr. Spraw. Posiedzen Wydz. Mat.-Przyr. Akad. Umiejtn 12: 82 (1884) [M. & A., 1969: 127]
- = *Arcyrella decipiens* Racib., Rozpr. Spraw. Posiedzen Wydz. Mat.-Przyr. Akad. Umiejtn 12: 84 (1884) [Cited by Krzemieniewska, Sluzowce Polsk. 258 (1960), M. & A., 1969: 127]
- = *Arcyria raciborskii* Berl. in Saccardo, Syll. Fung. 7: 430 (1888) [“raciborskii”] [M. & A., 1969: 127]
- =? *Arcyrella cornuvioides* Racib., Hedwigia 28: 123 (1889) [Krzemieniewska, Sluzowce Polsk. 264 (1960), recognizes it as distinct species, M. & A., 1969: 128]
- Arcyria cornuvioides* (Racib.) Krzemien., Sluzowce Polsk. 264 (1960) [M. & A., 1969: 128]
- Arcyria ferruginea* f. *cornuvioides* (Racib.) Torrend, Brotéria, Sér. Bot. 7: 38 (1908) [Cited by M. & A., 1969: 128, as var. *cornuvioides*]
- = *Arcyria aurantiaca* Raunk., Bot. Tidsskr. 17: 61 (1890) [M. & A., 1969: 127]
- = *Heterotrichia gabriellae* Masee, Monogr. Myxogastr.: 140 (1892) [M. & A., 1969: 127]
- Arcyria ferruginea* var. *gabriellae* (Masee) Grove, Proc. Birmingham Nat. Hist. Philos. Soc. 12: 20 (1910) [M. & A., 1969: 128]
- Arcyria ferruginea* f. *heterotrichia* Torrend, Brotéria, Sér. Bot. 7: 38 (1908) [Based on *Heterotrichia gabriellae* Masee]
- Arcyria ferruginea* var. *heterotrichia* (Torrend) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 234 (1911)
- = *Arcyria clavata* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 29 (1893) [M. & A., 1969: 127] [Nom. illeg., non *A. clavata* (Pers.) Masee, 1892]
- = *Arcyria incarnata* var. *nodulosa* T. Macbr., N. Amer. Slime-Moulds: 194 (1899)
- Arcyria adnata* var. *nodulosa* (T. Macbr.) Sacc. & Traverso in Saccardo, Syll. Fung. 19: 87 (1910)
- Arcyria nodulosa* (T. Macbr.) T. Macbr., N. Amer. Slime-Moulds, ed. 2: 252 (1922) [M. & A., 1969: 127]
- = *Arcyria ferruginea* f. *helvetica* Torrend, Brotéria, Sér. Bot. 7: 38 (1908) [Cited by M. & A., 1969: 128, as var. *helvetica*]
- = *Arcyria ornata* Widder, Verh. Zool.-Bot. Ges. Wien 73: 160 (1923) [M. & A., 1969: 127]
- = *Arcyria ferruginea* var. *antverpiensis* Robbr., Bull. Jard. Bot. Belg. 45(1-2): 228 (1975)
- Arcyria flavescens*** Y. Yamam., J. Jap. Bot. 67(2): 114 (1992)
- Arcyria fuegiana*** Aramb., Bol. Soc. Argent. Bot. 14 (3): 154 (1972)
- Arcyria glauca*** Lister in Minakata, Bot. Mag. (Tokyo) 22: 322 (1908) [M. & A., 1969: 128]
- Arcyria globosa*** Schwein., Schriften Naturf. Ges. Leipzig 1: 64 (1822) [non *A. globosa* Weinm., 1829] [M. & A., 1969: 129]
- = *Craterium globosum* (Schwein.) Fr., Syst. Mycol. 3: 154 (1829) [M. & A., 1969: 129]
- Nassula globosa* (Schwein.) Fr., Summa Veg. Scand.: 456 (1849) [M. & A., 1969: 129]
- Lachnobolus globosus* (Schwein.) Rostaf., Sluzowce Monogr.: 283 (1875) [M. & A., 1969: 129]
- Arcyria albidia* var. *globosa* (Schwein.) Lister, Monogr. Mycetozoa: 186 (1894) [M. & A., 1969: 129]
- Arcyria helvetica*** (Meyl.) H. Neubert, Nowotny & K. Baumann, Carolina 47: 43 (1989)
- = *Arcyria incarnata* var. *helvetica* Meyl., Bull. Soc. Vaud. Sci. Nat. 46: 55 (1910)
- Arcyria adnata* var. *helvetica* (Meyl.) Sacc. & Trotter in Saccardo, Syll. Fung. 22: 811 (1913)
- Arcyria incarnata*** (Pers. ex J. F. Gmel.) Pers., Observ. Mycol. 1: 58 (1796) [M. & A., 1969: 129]
- = *Stemonitis incarnata* Pers. ex J. F. Gmel., Syst. Nat. 2: 1467 (1792) [M. & A., 1969: 129]

- Arcyrella incarnata* (Pers. ex J. F. Gmel.) Racib., Hedwigia 24: 170 (1885) [M. & A., 1969: 129]
- = *Arcyria lilacina* Schumach., Enum. Pl. 2: 212 (1803) [M. & A., 1969: 129]
- = *Trichia flexuosa* Schumach., Enum. Pl. 2: 209 (1803) [M. & A., 1969: 129]
- Arcyria incarnata* var. *flexuosa* (Schumach.) Fr., Syst. Mycol. 3: 179 (1829)
- = *Arcyrella irregularis* Racib., Rozpr. Spraw. Posiedzen Wydz. Mat.-Przyr. Akad. Umiejety 12: 83 (1884) [M. & A., 1969: 129]
- = *Arcyria incarnata* var. *fulgens* G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 42 (1911) [M. & A., 1969: 130]
- = *Arcyria incarnata* var. *laxa* Brândză, Bull. Soc. Mycol. France 44: 283 (1928)
- = *Arcyria brunnea* Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 89(2): 219 (1986) [Yamamoto, Myxomycete Biota Japan: 177 (1998)]
- Arcyria incarnata* f. *brunnea* (Nann.-Bremek. & Y. Yamam.) Y. Yamam., Myxomycete Biota Japan: 177 (1998)
- Arcyria insignis*** Kalchbr. & Cooke in Kalchbrenner, Grevillea 10: 143 (1882) [M. & A., 1969: 130]
- = *Arcyria insignis* var. *dispersa* Hagelst., Mycologia 21(5): 298 (1929) [M. & A., 1969: 131]
- Arcyria magna*** Rex, Proc. Acad. Nat. Sci. Philadelphia 45: 364 (1893) [M. & A., 1969: 131]
- = *Arcyria magna* var. *rosea* Rex, Proc. Acad. Nat. Sci. Philadelphia 45: 365 (1893) [M. & A., 1969: 132]
- Arcyria magna* f. *rosea* (Rex) Y. Yamam., Myxomycete Biota Japan: 180 (1998)
- Arcyria major*** (G. Lister) Ing, Trans. Brit. Mycol. Soc. 50(4): 556 (1967)
- = *Arcyria insignis* var. *major* G. Lister in Lister, Monogr. Mycetozoa, ed. 3: 236 (1925) [M. & A., 1969: 131]
- Arcyria margino-undulata*** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 86(2): 218 (1983)
- Arcyria minuta*** Buchet in Patouillard, Mém. Acad. Malgache 6: 42 (1927) [M. & A., 1969: 132]
- = *Arcyria cinerea* var. *carnea* G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 236 (1911) [Neubert & Nannenga-Bremekamp, Z. Mykol. 45(2): 242 (1979)]
- Arcyria carnea* (G. Lister) G. Lister, J. Bot. 59: 92 (1921) [Nom. illeg., non *A. carnea* Schumach., 1803, nec *A. carnea* Wallr., 1833] [M. & A., 1969: 124]
- Arcyria guilielmae* Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 74(4): 358 (1971) [Nom. nov., based on *A. cinerea* var. *carnea* G. Lister] [Neubert & Nannenga-Bremekamp, Z. Mykol. 45(2): 242 (1979)]
- Arcyria nepalensis*** Poelt, Erg. Forsch. Unt. Nepal, Himalaya 2: 67 (1965)
- Arcyria nigella*** Emoto, Bot. Mag. (Tokyo) 42: 201 (1928) [Also attributed to Emoto, Myxomycetes Japan: 60, pl. 30, figs. 1-5 (1977), but nom. inval., see ICBN, art. 36.1]
- Arcyria obvelata*** (Oeder) Onsberg, Mycologia 70(6): 1286 (1979) ["1978"]
- = *Embolus obvelatus* Oeder, Fl. Dan. 3(9): 8, tab. 536 (1770)
- = *Trichia nutans* Bull., Herb. France pl. 502, f. 3 (1791) [non *T. nutans* Trentep., 1797] [M. & A., 1969: 133]
- Stemonitis nutans* (Bull.) J. F. Gmel., Syst. Nat. 2: 1467 (1792) [M. & A., 1969: 133]
- Arcyria nutans* (Bull.) Grev., Fl. Edin.: 455 (1824) [M. & A., 1969: 133] [Keller, Bull. Ohio Biol. Surv. 13(2): 84 (1999) say that this synonym is questionable]
- Arcyrella nutans* (Bull.) Racib., Hedwigia 24: 170 (1885) [M. & A., 1969: 133]
- = *Arcyria flava* Pers., Neues Mag. Bot. 1: 90 (1794) [M. & A., 1969: 133]
- = *Stemonitis amoena* Trentep. in Roth, Catal. Bot. 1: 222 (1797) [M. & A., 1969: 133]
- = *Trichia elongata* Schumach., Enum. Pl. 2: 209 (1803) [M. & A., 1969: 133]
- = *Arcyria alutacea* Schumach., Enum. Pl. 2: 212 (1803) [M. & A., 1969: 133]
- = *Arcyrella nutans* var. *brevispina* Racib., Hedwigia 24: 170 (1885)
- = *Arcyrella nutans* var. *spinosissima* Racib., Hedwigia 24: 170 (1885)
- Arcyria occidentalis*** (T. Macbr.) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 245 (1911) [M. & A., 1969: 134]
- = *Lachnobolus occidentalis* T. Macbr., N. Amer. Slime-Moulds: 188 (1899) [M. & A., 1969: 134]
- Arcyria oerstedii*** Rostaf., Sluzowce Monogr.: 278 (1875) ["oerstedtii"] [M. & A., 1969: 134]
- = *Hemiarcyria fuliginea* Cooke & Massee in Cooke, Grevillea 16: 74 (1888) [M. & A., 1969: 134]
- Arcyria fuliginea* (Cooke & Massee) Massee, Monogr. Myxogastr.: 169 (1892) [M. & A., 1969: 134]
- Arcyria oerstediioides*** Flatau & Schirmer, Z. Mykol. 49(2): 179 (1983) ["oerstedtioides"]
- Arcyria olivaceoglobosa*** M. L. Farr, S. W. Chapm. & Mitchel in Farr, Nova Hedwigia 31(1-3): 104 (1979)
- Arcyria papilla*** Ejale & L. S. Gill, Acta Mycol. 27(2): 268, (1992) ["papila"]

- Arcyria pausiaca** H. W. Keller & Bub.-Zurey in Keller, Whitney & Buben-Zurey, *Mycologia* 78(3): 433 (1986)
- Arcyria poeltii** Nann.-Bremek. & Y. Yamam., *Proc. Kon. Ned. Akad. Wetensch.* 93(3): 281 (1990)
- Arcyria pomiformis** (Leers) Rostaf., *Sluzowce Monogr.*: 271 (1875) [M. & A., 1969: 135]
- ≡ *Mucor pomiformis* Leers, *Fl. Herborn.*: 284 (1775) [M. & A., 1969: 135]
- Stemonitis pomiformis* (Leers) Roth, *Tent. Fl. Germ.* 548 (1788) [M. & A., 1969: 135]
- = *Stemonitis lutea* Trentep. in Roth, *Catal. Bot.* 1: 221 (1797) [M. & A., 1969: 135]
- Arcyria lutea* (Trentep.) Schwein., *Schriften Naturf. Ges. Leipzig* 1: 63 (1822) [M. & A., 1969: 135]
- = *Stemonitis ochroleuca* Trentep. in Roth, *Catal. Bot.* 1: 221 (1797) [M. & A., 1969: 135]
- Arcyria ochroleuca* (Trentep.) Fr., *Syst. Mycol.* 3: 181 (1829) [M. & A., 1969: 135]
- = *Arcyria silacea* Ditmar in Sturm, *Deutschl. Fl. Pilze* 1(1): 15 (1812) [M. & A., 1969: 135]
- = *Arcyria globosa* Weinm. in Fries, *Syst. Mycol.* 3: 181 (1829) [Nom. illeg., non *A. globosa* Schwein., 1822] [M. & A., 1969: 135]
- = *Arcyria winteri* Wettst., *Oesterr. Bot. Z.* 35: 199 (1885) [M. & A., 1969: 135]
- = *Arcyria pomiformis* var. *heterospora* G. Lister, *J. Bot.* 71: 221 (1933) [M. & A., 1969: 135]
- Arcyria pseudodenudata** Wichansky, *Česká Mykol.* 16: 42 (1962)
- Arcyria riparia** L. G. Krieglst., *Libri Botanici* 11: 63 (1992)
- Arcyria rubrobrunnea** Nann.-Bremek. & Schinner, *Proc. Kon. Ned. Akad. Wetensch.*, C 89(3): 327 (1986)
- Arcyria rufosa** S. J. Kaur & K. G. Mukerji, *Mycotaxon* 59: 479 (1996)
- Arcyria stipata** (Schwein.) Lister, *Monogr. Mycetozoa*: 189 (1894) [emend. Nannenga-Bremekamp, *Proc. Kon. Ned. Akad. Wetensch.*, C 85(4): 556 (1982)]
- ≡ *Leangium stipatum* Schwein., *Trans. Amer. Philos. Soc.* 4: 258 (1832) [M. & A., 1969: 136]
- Hemiarcyria stipata* (Schwein.) Rostaf., *Sluzowce Monogr. Suppl.*: 41 (1876) [M. & A., 1969: 136]
- Hemitrichia stipata* (Schwein.) T. Macbr., *N. Amer. Slime-Moulds*: 204 (1899) [M. & A., 1969: 136]
- Arcyria verrucosituba** Nann.-Bremek. & Schinner, *Proc. Kon. Ned. Akad. Wetensch.*, C 89(3): 329 (1986) ["Acyria"]
- Arcyria versicolor** W. Phillips, *Grevillea* 5: 115 (1877) [M. & A., 1969: 136]
- = *Arcyria vitellina* W. Phillips, *Grevillea* 5: 115 (1877) [M. & A., 1969: 136]
- Arcyria virescens** G. Lister, *J. Bot.* 59: 252 (1921) [M. & A., 1969: 137]
- ARCYRIATELLA** Hochg. & Gottsb., *Nova Hedwigia* 48(3-4): 485 (1989)
- Arcyriatella congregata** Hochg. & Gottsb., *Nova Hedwigia* 48(3-4): 486 (1989)
- BADHAMIA** Berk., *Trans. Linn. Soc. London* 21: 153 (1853) [M. & A., 1969: 248]
- Badhamia affinis** Rostaf., *Sluzowce Monogr.*: 143 (1874) [M. & A., 1969: 250]
- = *Badhamia orbiculata* Rex, *Proc. Acad. Nat. Sci. Philadelphia* 45: 372 (1893) [M. & A., 1969: 250]
- Badhamia affinis* var. *orbiculata* (Rex) G. Lister in Lister, *Monogr. Mycetozoa*, ed. 3: 16 (1925) [M. & A., 1969: 250]
- = *Badhamia orbiculata* var. *microspora* Meyl., *Bull. Soc. Vaud. Sci. Nat.* 59: 480 (1937) [Kowalski, *Mycologia* 67(3): 481 (1975)]
- Badhamia affinis* var. *microspora* (Meyl.) Nann.-Bremek. & Y. Yamam., *Proc. Kon. Ned. Akad. Wetensch.*, C 89(2): 221 (1986)
- = *Badhamia armillata* Nann.-Bremek., *Proc. Kon. Ned. Akad. Wetensch.*, C 69(3): 354 (1966)
- Badhamia affinis* var. *armillata* (Nann.-Bremek.) Y. Yamam., *Myxomycete Biota Japan*: 361 (1998)
- Badhamia apiculospora** (Härk.) Eliasson & N. Lundq., *Bot. Not.* 132(4): 560 (1979)
- ≡ *Physarum apiculosporum* Härk., *Karstenia* 18(1): 24 (1978)
- = *Badhamia semiannulata* Raub & H. W. Keller in Raub, Keller & Gaither, *Mycologia* 71(1): 120 (1979) [Eliasson & Lundqvist, *Bot. Not.* 132(4): 560 (1979)]
- Badhamia bibasalis** H. Neubert & Nann.-Bremek., *Z. Mykol.* 43 (2): 239 (1977)
- Badhamia bispora** K. D. Whitney, *Mycologia* 70(3): 672 (1978)

- Badhamia calcaripes** Gottsb., Nova Hedwigia 22(1-2): 491 (1972)
- Badhamia capsulifera** (Bull.) Berk., Trans. Linn. Soc. London 21: 153 (1853) [M. & A., 1969: 251]
- ≡ *Sphaerocarpus capsulifer* Bull., Hist. Champ. France: 139 (1791) [M. & A., 1969: 251] [Previously published by the same author in Herb. France, pl. 470 fig. 2 (1790), but the genus is not described, and the art. 42.1 of ICBN (descriptio generico-specifica) is not applicable]
- Trichia capsulifer* (Bull.) DC. in Lamarck & de Candolle, Fl. Franç., ed. 3, 2: 254 (1805) [M. & A., 1969: 251]
- Physarum capsuliferum* (Bull.) Chevall., Fl. Gén. Env. Paris 1: 339 (1826) [M. & A., 1969: 251]
- = *Physarum hyalinum* Pers., Neues Mag. Bot. 1: 88 (1794) [M. & A., 1969: 251]
- Badhamia hyalina* (Pers.) Berk., Trans. Linn. Soc. London 21: 153 (1853) [M. & A., 1969: 251]
- = *Physarum hyalinum* var. *albidum* Alb. & Schwein., Consp. Fung. Lusat.: 92 (1805) [Berlese in Saccardo, Syll. Fung. 7: 332 (1888)]
- = *Physarum botryoides* var. *hyalinum* Fr., Stirp. Agri Fension.: 83 (1826) [M. & A., 1969: 251]
- = *Badhamia hyalina* var. *gracilis* Rostaf., Sluzowce Monogr.: 140 (1874) [Based on minor differences. Cited by Berlese in Saccardo, Syll. Fung. 7: 332 (1888), M. & A., 1969: 252]
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- = *Badhamia varia* Masee, Monogr. Myxogastr.: 319 (1892) [p.p., M. & A., 1969: 251]
- = *Badhamia capsulifera* var. *libera* Torrend, Brotéria, Sér. Bot. 7: 145 (1908) [Lado, 1991: 89]
- = *Badhamia capsulifera* var. *repens* G. Lister, Essex Naturalist 18: 319 (1918) [M. & A., 1969: 252]
- = *Badhamia capsulifera* var. *arborea* G. Lister in Lister, Monogr. Mycetozoa, ed. 3: 10 (1925) [M. & A., 1969: 252]
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- Badhamia crassipella** K. D. Whitney & H. W. Keller, Mycologia 74(4): 620 (1982)
- Badhamia delicatula** D. W. Mitch. & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 79(4): 383 (1976)
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- = *Badhamia alpina* G. Lister, J. Bot. 52: 99 (1914) [M. & A., 1969: 253]
- = *Badhamia foliicola* f. *flavescens* Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 301 (1931)
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- Badhamia goniospora** Meyl., Bull. Soc. Vaud. Sci. Nat. 56: 66 (1925) [Kowalski, Mycologia 67(3): 481 (1975)]
- = *Badhamia dearnessii* Hagelst., Mycologia 34(1): 117 (1942) [Kowalski, Mycologia 67(3): 481 (1975)]
- Badhamia grandispora** Illana & G. Moreno in Illana, Moreno & Heykoop, Mycotaxon 45: 241 (1992)
- Badhamia iowensis** T. Macbr., N. Amer. Slime-Moulds, ed. 2: 36 (1922) [M. & A., 1969: 254]
- Badhamia lilacina** (Fr.) Rostaf., Sluzowce Monogr.: 145 (1874) [M. & A., 1969: 255]
- ≡ *Physarum lilacinum* Fr., Syst. Mycol. 3: 141 (1829) [non *Ph. lilacinum* Sturgis & Bilgram, 1917] [M. & A., 1969: 255]
- Craterium lilacinum* (Fr.) Masee, Monogr. Myxogastr.: 271 (1892) [M. & A., 1969: 255]
- = *Physarum concinnum* Masee, Monogr. Myxogastr.: 308 (1892) [M. & A., 1969: 255]
- = *Badhamia lilacina* var. *megaspora* Nann.-Bremek., Acta Bot. Neerl. 7: 784 (1958)
- Badhamia macrocarpa** (Ces.) Rostaf., Sluzowce Monogr.: 143 (1874) [M. & A., 1969: 255]
- ≡ *Physarum macrocarpon* Ces. in Rabenhorst, Fungi Eur. cent. XX, No. 1968 (1855) [M. & A., 1969: 255]
- = *Badhamia macrocarpa* var. *sessilis* Rostaf., Sluzowce Monogr.: 143 (1874)
- = *Badhamia macrocarpa* var. *stipitata* Rostaf., Sluzowce Monogr.: 143 (1874)
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- ≡ *Badhamia gracilis* var. *melanospora* (Speg.) A. Castillo, G. Moreno & Illana, Mycotaxon 57: 169 (1996) [Nom. illeg.]
- = *Badhamia macrocarpa* var. *gracilis* T. Macbr., N. Amer. Slime-Moulds, ed. 2: 37 (1922) [M. & A., 1969: 254]
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- Badhamia nitens** Berk., Trans. Linn. Soc. London 21: 153 (1853) [M. & A., 1969: 256]
 = *Badhamia pallida* Berk., Trans. Linn. Soc. London 21: 153 (1853) [M. & A., 1969: 256]
 = *Badhamia inaurata* Curr., Trans. Linn. Soc. London 24: 156 (1863) [M. & A., 1969: 256]
 = *Physarum alexandrowiczii* de Bary & Rostaf. in Aleksandrovic, Miksom.: 88 (1872) [Rostafiński, Sluzowce Monogr.: 146 (1874)]
Badhamia alexandrowiczii (de Bary & Rostaf.) Rostaf., Sluzowce Monogr.: 146 (1874) [M. & A., 1969: 256]
 = *Didymium reticulatum* Berk. & Broome, J. Linn. Soc., Bot. 15: 83 (1876) [Nom. illeg., non *D. reticulatum* Bisch., 1842, nec *D. reticulatum* Rostaf., 1873] [M. & A., 1969: 256]
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Badhamia nitens var. *reticulata* (Berk. & Broome ex Massee) G. Lister, Trans. Brit. Mycol. Soc. 5: 71 (1914) [M. & A., 1969: 257]
 = *Badhamia aurantiaca* Lizárraga, G. Moreno & Illana in Lado & Hernández (eds.), II. Congr. Int. Sist. Ecol. Myxomycetes: 56 (1996)
Badhamia nitens var. *aurantiaca* (Lizárraga, G. Moreno & Illana) Lizárraga, G. Moreno & Illana, Mycotaxon 63: 289 (1997)
- Badhamia ovispora** Racib., Rozpr. Spraw. Posiedzen Wydz. Mat.-Przyr. Akad. Umiejtn 12: 72 (1884) [Keller, Aldrich, Brooks & Schoknecht, Mycologia 67(5): 1001-1011 (1975)]
- Badhamia panicea** (Fr.) Rostaf. in Fuckel, Jahrb. Nassauischen Vereins Naturk. 27-28: 71 (1873) [M. & A., 1969: 259]
 = *Physarum paniceum* Fr., Syst. Mycol. 3: 141 (1829) [M. & A., 1969: 259]
 = *Reticularia schmitzii* Debey, Verh. Naturhist. Vereines Preuss. Rheinl. 4: 2 (1847) [M. & A., 1969: 259]
 = *Badhamia panicea* var. *heterospora* G. Lister in Lister, Monogr. Mycetozoa, ed. 3: 17 (1925) [M. & A., 1969: 259]
- Badhamia papaveracea** Berk. & Ravenel in Berkeley, Grevillea 2: 66 (1873) [M. & A., 1969: 259]
 = *Badhamia hyalina* var. *papaveracea* (Berk. & Ravenel) Lister, Monogr. Mycetozoa: 30 (1894) [M. & A., 1969: 259]
Badhamia capsulifera var. *papaveracea* (Berk. & Ravenel) Torrend, Brotéria, Sér. Bot. 7: 145 (1908)
 =? *Badhamia utricularis* var. *nigripes* Racib., Rozpr. Spraw. Posiedzen Wydz. Mat.-Przyr. Akad. Umiejtn 12: 70 (1884) [M. & A., 1969: 261]
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- Badhamia rhytidosperma** H. W. Keller & Schokn., Mycologia 81(5): 783 (1989)
- Badhamia rugulosa** T. E. Brooks & H. W. Keller in Keller & Brooks, Mycologia 67(6): 1219 (1976) ["1975"]
- Badhamia spinispora** (Eliasson & N. Lundq.) H. W. Keller & Schokn., Mycologia 81(4): 632 (1989)
 = *Physarum spinisporum* Eliasson & N. Lundq., Bot. Not. 132(4): 563 (1979)
- Badhamia utricularis** (Bull.) Berk., Trans. Linn. Soc. London 21: 153 (1853) [M. & A., 1969: 260]
 = *Sphaerocarpus utricularis* Bull., Hist. Champ. France: 128 (1791) [M. & A., 1969: 260] [Previously published by the same author in Herb. France, pl. 417 fig. 1 (1789), but the genus is not described, and the art. 42.1 of ICBN (descriptio generico-specifica) is not applicable]
Trichia utricularis (Bull.) DC. in Lamarck & de Candolle, Fl. Franç., ed. 3, 2: 251 (1805) [M. & A., 1969: 260]
Physarum utriculare (Bull.) Chevall., Fl. Gén. Env. Paris 1: 337 (1826) [M. & A., 1969: 260]
 = *Physarum ovoideum* Schumach., Enum. Pl. 2: 198 (1803) [M. & A., 1969: 260]
 = *Physarum hyalinum* var. *chalybaeum* Alb. & Schwein., Consp. Fung. Lusat.: 92 (1805) [M. & A., 1969: 260]
Physarum botryoides var. *chalybaeum* (Alb. & Schwein.) Fr., Stirp. Agri Femsion.: 83 (1827)
 = *Trichia rubiformis* Purton, Bot. Descr. Brit. Pl. 3: 291 (1821) [Nom. illeg., non *T. rubiformis* Pers., 1794] [M. & A., 1969: 260]
 = *Physarum botryoides* Fr., Stirp. Agri Femsion.: 83 (1825) [M. & A., 1969: 260]
 = *Physarum botrytes* Sommerf., Suppl. Fl. Lapp.: 242 (1826) [M. & A., 1969: 260]
 = *Diderma papaverinum* Wallr., Fl. Crypt. Germ. 2: 375 (1833) [M. & A., 1969: 261]
 = *Dictydium magnum* Peck, Annual Rep. New York State Mus. 24: 84 (1872) [M. & A., 1969: 261]
Badhamia magna (Peck) Peck, Annual Rep. New York State Mus. 31: 57 (1879) [M. & A., 1969: 261]
 = *Badhamia utricularis* var. *schimperiana* Rostaf., Sluzowce Monogr.: 143 (1874) [M. & A., 1969: 261]

- = *Badhamia utricularis* var. *sessilis* Rostaf., Sluzowce Monogr.: 143 (1874) [M. & A., 1969: 261]
- = *Badhamia utricularis* var. *splendens* Rostaf., Sluzowce Monogr.: 143 (1874) [M. & A., 1969: 261]
- = *Badhamia varia* Massee, Monogr. Myxogastr.: 319 (1892) [p.p., M. & A., 1969: 261]
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- Badhamia viridescens** Meyl., Bull. Soc. Vaud. Sci. Nat. 53: 452 (1921) [M. & A., 1969: 262; Kowalski, Mycologia 67(3): 482 (1975)]
- BADHAMIOPSIS** T. E. Brooks & H. W. Keller in Keller & Brooks, Mycologia 68(4): 835 (1976)
- Badhamiopsis ainoae** (Yamash.) T. E. Brooks & H. W. Keller in Keller & Brooks, Mycologia 68(4): 836 (1976)
- ≡ *Badhamia ainoae* Yamash., J. Sci. Hiroshima Univ., Ser. B, Div. 2, Bot. 3: 28 (1936) ["ainoi"] [M. & A., 1969: 251]
- = *Badhamiopsis ainoae* var. *macrospora* Y. Yamam., Myxomycete Biota Japan: 375 (1998)
- Badhamiopsis cavifera** Nann.-Bremek. & Y. Yamam., J. Jap. Bot. 63(6): 228 (1988)
- Badhamiopsis nucleata** H. Z. Li in anon. (ed.), Fungi and Lichens Shennongjia: 26 (1989)
- BARBEYELLA** Meyl., Bull. Soc. Bot. Genève 6: 89 (1914) [M. & A., 1969: 205]
- Barbeyella minutissima** Meyl., Bull. Soc. Bot. Genève 6: 89 (1914) [M. & A., 1969: 205; Kowalski, Mycologia 67(3): 466 (1975)]
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- Brefeldia maxima** (Fr.) Rostaf. in Fuckel, Jahrb. Nassauischen Vereins Naturk. 27-28: 70 (1873) [M. & A., 1969: 171]
- ≡ *Reticularia maxima* Fr., Syst. Orb. Veg.: 147 (1825) [M. & A., 1969: 171]
- = *Licea perreptans* Berk., Gard. Chron. 1848: 451 (1848) [M. & A., 1969: 171]
- = *Brefeldia maxima* var. *sibirica* Lavrov, Sist. Zametki Mater. Gerb. Krylova Tomsk. Gosud. Univ. Kujbyseva 4-5: 2 (1929) [Petrak's list, 1953: 597]
- CALOMYXA** Nieuwl., Amer. Midl. Naturalist 4: 335 (1916) [M. & A., 1969: 102]
- = *Margarita* Lister, Monogr. Mycetozoa: 203 (1894) [Nom. illeg., non *Margarita* Gaudin, 1829] [M. & A., 1969: 102]
- Calomyxa metallica** (Berk.) Nieuwl., Amer. Midl. Naturalist 4: 335 (1916)
- ≡ *Physarum metallicum* Berk., Mag. Zool. Bot. 1: 49 (1837) ["1836"] [M. & A., 1969: 103]
- Cornuvia metallica* (Berk.) Rostaf., Sluzowce Monogr. Suppl.: 35 (1876) [M. & A., 1969: 103]
- Margarita metallica* (Berk.) Lister, Monogr. Mycetozoa: 203 (1894) [M. & A., 1969: 103]
- = *Oligonema aeneum* P. Karst., Bidrag Kännedom Finlands Natur Folk 4: 131 (1879) [M. & A., 1969: 103]
- = *Perichaena krupii* Racib., Hedwigia 28: 124 (1889) [M. & A., 1969: 103]
- = *Perichaena plasmodiocarpa* A. Blytt, Forh. Vidensk.-Selsk. Kristiania 1892(2): 10 (1892) [M. & A., 1969: 103]
- Margarita metallica* var. *plasmodiocarpa* (A. Blytt) R. E. Fr., Svensk Bot. Tidskr. 6: 800 (1912) [M. & A., 1969: 103]
- = *Margarita pictoviana* C. L. Moore, Proc. & Trans. Nova Scotian Inst. Sci. 12: 196 (1902) [M. & A., 1969: 103]
- = *Margarita metallica* var. *intermedia* Meyl., Bull. Soc. Vaud. Sci. Nat. 46: 56 (1910) [Kowalski, Mycologia 67(3): 457 (1975)]
- Cornuvia metallica* var. *intermedia* (Meyl.) Sacc. & Trotter in Saccardo, Syll. Fung. 22: 814 (1913)
- = *Calomyxa metallica* var. *megaspora* Y. Yamam. & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch. 93(3): 265 (1990)
- Calomyxa synspora** M. L. Farr & Kowalski, Mycologia 66(5): 886 (1974)
- CALONEMA** Morgan, J. Cincinnati Soc. Nat. Hist. 16: 27 (1893) [M. & A., 1969: 120]
- Calonema aureum** Morgan, J. Cincinnati Soc. Nat. Hist. 16: 27 (1893) [M. & A., 1969: 120]
- Calonema cornuroides** Chassain & Nann.-Bremek., Bull. Soc. Sci. Nat. Ouest France 4(4): 116 (1982)
- Calonema dissipatum** Nann.-Bremek., R. K. Chopra & T. N. Lakh. in Chopra, Nannenga-Bremekamp & Lakhapal, Proc. Kon. Ned. Akad. Wetensch. 95(1): 42 (1992)
- = *Calonema dissipatum* var. *tubigranulatum* Nann.-Bremek., R. K. Chopra & T. N. Lakh. in Chopra, Nannenga-Bremekamp & Lakhapal, Proc. Kon. Ned. Akad. Wetensch. 95(1): 43 (1992)

- Calonema geesinkii** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 88(1): 124 (1985) [Proposed earlier by the same author in Nederlandse Myxomyceten, 2 Suppl. (Amsterdam): 476 (1983) but nom. inval., see ICBN, contrary to art. 32.1 and Latin description or diagnosis not included]
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- = *Orthotricha* Wingate, J. Mycol. 2: 125 (1886) [non *Orthotrichum* Hedw., 1789] [M. & A., 1969: 204]
- = *Wingina* Kuntze, Revis. Gen. Pl. 2: 875 (1891) [M. & A., 1969: 204]
- Clastoderma debaryanum** A. Blytt, Bot. Zeitung (Berlin) 38: 343 (1880) [M. & A., 1969: 204]
- = *Orthotricha microcephala* Wingate, J. Mycol. 2: 125 (1886) [M. & A., 1969: 204]
- Wingina microcephala* (Wingate) Kuntze, Revis. Gen. Pl. 2: 875 (1891) [M. & A., 1969: 204]
- = *Clastoderma debaryanum* var. *imperatorium* Emoto, Bot. Mag. (Tokyo) 43: 169 (1929) ["imperatoria"] [M. & A., 1969: 205]
- Clastoderma dictyosporum** T. N. Lakh. & K. G. Mukerji, Norweg. J. Bot. 23 (2): 110 (1976)
- Clastoderma microcarpum** (Meyl.) Kowalski, Mycologia 67(3): 475 (1975) ["microcarpa"]
- = *Comatricha elegans* var. *microcarpa* Meyl., Bull. Soc. Vaud. Sci. Nat. 58: 323 (1935) [Kowalski, Mycologia 67(3): 475 (1975)]
- Clastoderma pachypus** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 71(1): 44 (1968)
- COLLARIA** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 70(2): 208 (1967)
- Collaria arcyryonema** (Rostaf.) Nann.-Bremek. ex Lado, Ruizia 9: 26 (1991) [Proposed earlier by Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch., C 70(2): 209 (1967) but. nom. inval., see ICBN, art 33.2, basionym reference omitted]
- = *Lamproderma arcyryonema* Rostaf., Sluzowce Monogr.: 208 (1874)
- = *Lamproderma subaeneum* Massee, Monogr. Myxogastr.: 95 (1892) ["suboeneum"] [M. & A., 1969: 212]
- = *Comatricha shimekiana* T. Macbr., Bull. Iowa Univ. Lab. Nat. Hist. 2: 380 (1893) [M. & A., 1969: 212]
- = *Lamproderma arcyryonema* var. *japonicum* Meyl., Bull. Soc. Vaud. Sci. Nat. 58: 323 (1935) [M. & A., 1969: 212; Kowalski, Mycologia 67(3): 466 (1975)]
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- Collaria biaspersopora** (Kowalski) Dhillon & Nann.-Bremek. ex Ing. Trans. Brit. Mycol. Soc. 78(3): 444 (1982) [Proposed earlier by Dhillon & Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch., C 80(4): 263 (1977), but nom. inval., see ICBN, contrary to art. 33.3, basionym reference omitted]
- = *Lamproderma biaspersoporum* Kowalski, Mycologia 60(4): 758 (1968)
- Collaria lurida** (Lister) Nann.-Bremek., Nederlandse Myxomyceten: 236 (1975) ["1974"] [Proposed earlier by the same author in Proc. Kon. Ned. Akad. Wetensch., C 70(2): 209 (1967), but nom. inval., see ICBN, art 33.2, basionym reference omitted]
- = *Comatricha lurida* Lister, Monogr. Mycetozoa: 119 (1894)
- Collaria nigricapillitia** (Nann.-Bremek. & Bozonnet) Lado, **comb. nov.** [*Lamproderma nigricapillitium* Nann.-Bremek. & Bozonnet and *Collaria chionophila* Lado are conespecific, but the former has priority and the new combination is necessary]
- = *Lamproderma nigricapillitium* Nann.-Bremek. & Bozonnet in Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch., C 92(4): 510 (1989)
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- = *Collaria chionophila* Lado, Anales Jard. Bot. Madrid 50(1): 9 (1992) [Castillo, Moreno, Illana & Lago, Mycol. Res. 101: 1331 (1997)]
- = *Comatricha chionophila* (Lado) G. Moreno in Illana, Moreno & Castillo, Cryptog. Mycol. 14(4): 243 (1993)
- Collaria rubens** (Lister) Nann.-Bremek., Nederlandse Myxomyceten: 236 (1975) ["1974"] [Proposed earlier by the same author in Proc. Kon. Ned. Akad. Wetensch., C 70(2): 209 (1967), but nom. inval., see ICBN, art. 33.3, basionym reference omitted]
- = *Comatricha rubens* Lister, Monogr. Mycetozoa: 123 (1894) [M. & A., 1969: 237]

- COLLODERMA** G. Lister, J. Bot. 48: 312 (1910) [M. & A., 1969: 183]
- Colloderma crassipes** Rammeloo, Bull. Jard. Bot. Belg. 53(1/2): 297 (1983)
- Colloderma macrotubulatum** Nann.-Bremek. & Lado, Proc. Kon. Ned. Akad. Wetensch., C 88(2): 222 (1985)
- Colloderma oculatum** (C. Lippert) G. Lister, J. Bot. 48: 312 (1910) [M. & A., 1969: 183]
- ≡ *Didymium oculatum* C. Lippert, Verh. Zool.-Bot. Ges. Wien 44: Abh. 72 (1894) [M. & A., 1969: 183]
- = *Colloderma dubium* Krzemien., Acta Soc. Bot. Poloniae 11: Supp. 124 (1934) [M. & A., 1969: 183]
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- = *Colloderma oculatum* var. *castaneum* Krzemien., Acta Soc. Bot. Poloniae 11: Supp. 123 (1934) [M. & A., 1969: 184]
- COMATRICHIA** Preuss, Linnaea 24: 140 (1851) [M. & A., 1969: 222]
- = *Rostafinskia* Racib., Rozpr. Spraw. Posiedzen Wydz. Mat.-Przyr. Akad. Umiejtn 12: 77 (1884) [Nom. illeg., non *Rostafinskia* Speg., 1880] [M. & A., 1969: 222]
- = *Raciborskia* Berl. in Saccardo, Syll. Fung. 7: 400 (1888) [M. & A., 1969: 222]
- = *Comatrighoides* Hertel, Dusenja 7: 347 (1956) [Nom. inval. Since *Comatricha* is already typified by what is supposed to be a synonym of *Comatricha nigra* (Pers. ex J. F. Gmel.) J. Schröt., Hertel's genus is invalid, see Martin, Stud. Nat. Hist. Iowa Univ. 20: 12 (1966)] [M. & A., 1969: 222]
- = *Comatricha* subgen. *Laxaria* Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 70(2): 207 (1967)
- = *Comatricha* subgen. *Sinuaria* Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 70(2): 207 (1967)
- Comatricha afroalpina** Rammeloo, Bull. Jard. Bot. Belg. 53(1/2): 297 (1983)
- Comatricha aggregata** M. L. Farr, Bull. Inst. Jamaica, Sci. Ser. 7: 41 (1957) [M. & A., 1969: 226]
- Comatricha alpina** Kowalski, Madroño 22(3): 152 (1973) [Nom. nov., based on *Comatricha suksdorfii* var. *aggregata* Meyl., non *C. aggregata* M. L. Farr, 1957]
- ≡ *Comatricha suksdorfii* var. *aggregata* Meyl., Bull. Soc. Vaud. Sci. Nat. 53: 455 (1921) [Kowalski, Madroño 22: 152 (1973)]
- Comatricha alta** Preuss, Linnaea 24: 141 (1851) [M. & A., 1969: 234]
- ≡ *Comatricha nigra* var. *alta* (Preuss) G. Lister in Lister, Monogr. Mycetozoa, ed. 3: 123 (1925) [M. & A., 1969: 234]
- = *Comatricha alta* var. *macrospora* Y. Yamam., Myxomycete Biota Japan: 528 (1998)
- Comatricha anomala** Rammeloo, Bull. Jard. Bot. Belg. 46(1-2): 237 (1976)
- Comatricha argentinae** J. R. Deschamps, Bol. Soc. Argent. Bot. 15 (4): 340 (1974) ["argentina"]
- Comatricha brachypus** (Meyl.) Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 41 (1929) [Kowalski, Mycologia 67(3): 474 (1975)]
- ≡ *Comatricha nigra* var. *brachypus* Meyl., Bull. Soc. Vaud. Sci. Nat. 56: 71 (1925) [Kowalski, Mycologia 67(3): 474 (1975)]
- Stemonitopsis brachypus* (Meyl.) Y. Yamam., Myxomycete Biota Japan: 627 (1998) ["*Stemonitopsis* cf. *brachypus*"]
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- ≡ *Rostafinskia elegans* Racib., Rozpr. Spraw. Posiedzen Wydz. Mat.-Przyr. Akad. Umiejtn 12: 78 (1884) [M. & A., 1969: 228]
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- = *Collaria elegans* var. *microspora* H. Marx in Neubert, Nowotny & Baumann, Myxomyceten 3: 59 (2000)
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- = *Stemonitis oblonga* Fr., Syst. Mycol. 3: 159 (1829) [M. & A., 1969: 234]
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- Comatricha friesiana* (de Bary) Rostaf., Sluzowce Monogr.: 199 (1874) [M. & A., 1969: 234]
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- ≡ *Stemonitis pulchella* C. Bab., Proc. Linn. Soc. London 1: 32 (1839) [M. & A., 1969: 235]
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- ≡? *Stemonitis tenerrima* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 69 (1873) [Nom. illeg.] [Was described there as new and is so cited by Berlese and G. Lister. It appears to be identical with what Curtis originally described, M. & A., 1969: 239]
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- Craterium aureum** (Schumach.) Rostaf., Sluzowce Monogr.: 124 (1874) [M. & A., 1969: 269]
- = *Trichia aurea* Schumach., Enum. Pl. 2: 208 (1803) [M. & A., 1969: 269]
- = *Craterium mutabile* Fr., Symb. Gasteromyc.: 3: 19 (1818) [M. & A., 1969: 269]
- Cupularia mutabilis* (Fr.) Rabenh., Deutschl. Krypt.-Fl. 1: 271 (1844) [M. & A., 1969: 269]
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- Craterium obovatum* var. *dictyosporum* (Rostaf.) G. Moreno & Illana in Moreno, Illana & Burguete, Mycotaxon 46: 414 (1993)
- Craterium leucocephalum** (Pers. ex J. F. Gmel.) Ditmar in Sturm, Deutschl. Fl. Pilze 1(1): 21 (1812) [M. & A., 1969: 271]
- = *Stemonitis leucocephala* Pers. ex J. F. Gmel., Syst. Nat. 2: 1467 (1792) [M. & A., 1969: 271]
- Arcyria leucocephala* (Pers. ex J. F. Gmel.) Hoffm., Deutschl. Fl. 2: pl. 6 fig. 1 (1795) [M. & A., 1969: 271]
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- = *Cyathus cinereus* Purton, Bot. Descr. Brit. Pl. 3: 309 (1821) [M. & A., 1969: 271]
- = *Craterium vulgare* Chevall., Fl. Gén. Env. Paris 1: 340 (1826)
- = *Craterium xanthopus* Wallr., Fl. Crypt. Germ. 2: 358 (1833) [M. & A., 1969: 271]
- Cupularia xanthopus* (Wallr.) Rabenh., Deutschl. Krypt.-Fl. 1: 271 (1844) [M. & A., 1969: 271]
- = *Craterium deoperculatum* Fr. in Weinmann, Hymen. Gasteromyc.: 597 (1836) [M. & A., 1969: 271]
- = *Craterium pruinatum* Corda, Icon. Fung. 6: 13 (1854) [M. & A., 1969: 271]
- = *Craterium minimum* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 67 (1873) [M. & A., 1969: 271]
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- = *Physarum scyphoides* Cooke & Balf. f. in Masee, J. Mycol. 5: 186 (1889) [M. & A., 1969: 271]
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- = *Craterium cylindricum* Masee, Monogr. Myxogastr.: 268 (1892) [M. & A., 1969: 271]
- Craterium leucocephalum* var. *cylindricum* (Masee) G. Lister in Lister, Monogr. Mycetoza, ed. 2: 97 (1911) [M. & A., 1969: 272]
- = *Craterium fuckelii* Masee, Monogr. Myxogastr.: 272 (1892) [M. & A., 1969: 271]
- = *Craterium leucocephalum* f. *inclusum* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 79 (1893) [Cited by M. & A., 1969: 271 as var. *inclusum*]
- = *Craterium convivale* Morgan, J. Cincinnati Soc. Nat. Hist. 19: 14 (1896) [M. & A., 1969: 271]
- = *Craterium leucocephalum* var. *rufum* G. Lister in Lister, Monogr. Mycetoza, ed. 3: 78 (1925) [M. & A., 1969: 272]
- = *Craterium leucocephalum* var. *longipes* M. L. Farr, Int. J. Mycol. Lichenol. 3(2-3): 205 (1988)
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- Craterium minutum** (Leers) Fr., Syst. Mycol. 3: 151 (1829) [M. & A., 1969: 272]
- = *Peziza minuta* Leers, Fl. Herborn.: 277 (1775) [M. & A., 1969: 272]
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- = *Craterium pedunculatum* Trentep. in Roth, Catal. Bot. 1: 224 (1797) [M. & A., 1969: 272]
- Physarum pedunculatum* (Trentep.) Schumach., Enum. Pl. 2: 206 (1803) [M. & A., 1969: 272]
- = *Physarum turbinatum* Schumach., Enum. Pl. 2: 205 (1803) [M. & A., 1969: 272]
- Craterium turbinatum* (Schumach.) Fr., Symb. Gasteromyc.: 18 (1818) [M. & A., 1969: 272]
- Craterium minutum* var. *turbinatum* (Schumach.) Rostaf., Sluzowce Monogr.: 121 (1874) [M. & A., 1969: 273]
- = *Craterium pyriforme* Ditmar in Sturm, Deutschl. Fl. Pilze 1(1): 19 (1812) [M. & A., 1969: 272]
- = *Craterium vulgare* Ditmar in Sturm, Deutschl. Fl. Pilze 1(1): 17 (1812) [M. & A., 1969: 272]
- = *Craterium nutans* Fr., Syst. Mycol. 3: 151 (1829) [M. & A., 1969: 272]
- = *Craterium minutum* var. *aureum* Fr., Syst. Mycol. 3: 152 (1829)
- = *Craterium vulgare* var. *albicans* Rostaf., Sluzowce Monogr.: 119 (1874)
- = *Craterium vulgare* var. *confusum* Rostaf., Sluzowce Monogr.: 119 (1874)
- Craterium confusum* (Rostaf.) Masee, Monogr. Myxogastr.: 263 (1892) [M. & A., 1969: 272]
- = *Craterium friesii* Rostaf., Sluzowce Monogr.: 122 (1874) [M. & A., 1969: 272]
- = *Craterium oerstedii* Rostaf., Sluzowce Monogr.: 120 (1874) ["oerstedtii"] [M. & A., 1969: 272]
- = *Craterium pedunculatum* var. *albicans* Berl. in Saccardo, Syll. Fung. 7: 355 (1888) [Probably based on *C. vulgare* var. *albicans* Rostaf.]
- = *Craterium pedunculatum* var. *confusum* Berl. in Saccardo, Syll. Fung. 7: 355 (1888) [Probably based on *C. vulgare* var. *confusum* Rostaf.]
- = *Craterium minutum* var. *campanulatum* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 78 (1893)
- = *Craterium minutum* var. *pyriforme* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 78 (1893)
- = *Craterium brunneum* Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 76(5): 481 (1973) [Krieglst. in Libri Botanici 11: 78 (1993)]
- Craterium minutum* var. *brunneum* (Nann.-Bremek.) L. G. Krieglst., Libri Botanici 11: 78 (1993)
- Craterium muscorum*** Ing, Trans. Brit. Mycol. Soc. 78(3): 443 (1982) [Nom. nov., based on *Badhamia rubiginosa* var. *globosa* Lister & G. Lister, 1904, non *Craterium globosum* (Schwein.) Fr., 1829]
- = *Badhamia rubiginosa* var. *globosa* Lister & G. Lister, J. Bot. 42: 130 (1904) [Ing, Trans. Brit. Mycol. Soc. 78(3): 443 (1982)]
- Badhamia globosa* (Lister & G. Lister) L. G. Krieglst., Libri Botanici 11: 69 (1993)
- =? *Diderma hookeri* Berk. in Hooker, Fl. Nov.-Zel. 2(2): 191 (1855) [G. Lister, Monogr. Mycetoza, ed. 2, 39 (1911), cites it as a possible synonym of *Badhamia rubiginosa* var. *globosa* Lister & G. Lister. If this is confirmed, this name takes priority over *C. muscorum* Ing]
- Lamproderma hookeri* (Berk.) Rostaf., Sluzowce Monogr. Suppl.: 24 (1876) [M. & A., 1969: 258]
- Diachea hookeri* (Berk.) Masee, Monogr. Myxogastr.: 260 (1892) [M. & A., 1969: 258]
- Chondrioderma hookeri* (Berk.) Lister, Monogr. Mycetoza: 85 (1894) [M. & A., 1969: 258]
- Craterium obovatum*** Peck, Bull. Buffalo Soc. Nat. Sci. 1: 64 (1873)
- = *Badhamia obovata* (Peck) S. J. Sm. in Martin, Brittonia 13: 112 (1961)
- = *Physarum rubiginosum* Chevall, Fl. Gén. Env. Paris 1: 338 (1826) [Nom. illeg., non *Ph. rubiginosum* Fr., 1817, nec *Ph. rubiginosum* Berk., 1836]
- Scyphium rubiginosum* Chevall. ex Rostaf., Sluzowce Monogr.: 148 (1874) [M. & A., 1969: 257]
- Badhamia rubiginosa* (Chevall. ex Rostaf.) Rostaf., Sluzowce Monogr. Suppl.: 5 (1876) [Cited by Berlese in Saccardo, Syll. Fung. 7: 334 (1889) as (Chevall.) Cooke, Contr. Mycol. Brit.: 82 (1877). Not a new combination by Cooke, merely a correction of an earlier page substituting Rostafinski's combination of 1876 for that used in 1875]
- Craterium rubiginosum* (Chevall. ex Rostaf.) Masee, Monogr. Myxogastr.: 270 (1892) [M. & A., 1969: 257]
- = *Didymium curtisii* Berk., Grevillea 2: 65 (1873)
- Scyphium curtisii* (Berk.) Rostaf., Sluzowce Monogr.: 149 (1874) [Farr, Fl. Neotrop. 16: 178 (1976)]
- Badhamia curtisii* (Berk.) Rostaf., Sluzowce Monogr. Suppl.: 5 (1876) [M. & A., 1969: 257]
- Craterium curtisii* (Berk.) Masee, Monogr. Myxogastr.: 270 (1892) [M. & A., 1969: 257]
- = *Craterium dictyospermum* Masee, Monogr. Myxogastr.: 270 (1892) [M. & A., 1969: 257]
- =? *Badhamia subaquila* T. Macbr., N. Amer. Slime-Moulds: 64 (1899) [M. & A., 1969: 257-258]
- Craterium paraguayense*** (Speg.) G. Lister in Lister, Monogr. Mycetoza, ed. 2: 95 (1911) [M. & A., 1969: 273]

- ≡ *Didymium paraguayense* Speg., *Anales Soc. Ci. Argent.* 22: 186 (1886) [M. & A., 1969: 273]
Didymium guarapiense Speg., *Anales Soc. Ci. Argent.* 26: 60 (1890) [Nom. inval., var. orth.] [M. & A. (1969: 273), state it is certainly this species. It may have been an error, as stated in all three editions of the Lister monograph, but it seems more probable that it was a deliberate correction, to indicate that the type was collected in Argentina rather than in Paraguay]
- Iocraterium paraguayense* (Speg.) Torrend, *Brotéria, Sér. Bot.* 8: 114 (1908) [M. & A., 1969: 273]
Craterium ["*paraguariense*"] (Speg.) Sacc. & Trotter in Saccardo, *Syll. Fung.* 22: 798 (1913) [Was probably intended as a legitimate philological correction, but its necessity is not apparent, M. & A., 1969: 273]
- ≡ *Craterium rubescens* Rex, *Proc. Acad. Nat. Sci. Philadelphia* 45: 370 (1893) [M. & A., 1969: 273]
Iocraterium rubescens (Rex) E. Jahn, *Hedwigia* 43: 302 (1904) [M. & A., 1969: 273]
- Craterium reticulatum*** Nann.-Bremek. & Y. Yamam., *Proc. Kon. Ned. Akad. Wetensch.*, C 90(3): 314 (1987)
- Craterium rubronodum*** G. Lister, *Trans. Brit. Mycol. Soc.* 5: 74 (1915) [M. & A., 1969: 273]
- ≡ *Badhamia rubiginosa* var. *concinna* G. Lister in Minakata, *Bot. Mag. (Tokyo)* 27: 408 (1913) ["*concinnum*"] [Nom. nud., see Yamamoto, *Myxomycete Biota Japan*: 388 (1998)]
- CRIBRARIA** Pers., *Neues Mag. Bot.* 1: 91 (1794), **nom. cons. prop.** [Proposed as a name to conserve because of the following: *Cribraria* Schrad. ex J. F. Gmel., *Syst. Nat.* 2: 1471 (1792), with the single species *C. pallida* Schrad. ex J. F. Gmel., antedates Persoon's publication by two years, but is merely named with the citation "Schrad. fung. ined." (M. & A., 1969: 75). Martin, *Stud. Nat. Hist. Iowa Univ.* 20: 12 (1966), adds that he has found no reference to the species in Persoon, 1794, nor Schrad. 1797, nor in any later work. Neither genus nor species can be recognized from the description, but it may be a legitimately published earlier synonym of *Cribraria* Pers.]
- ≡ *Dictydium* Schrad., *Nov. Gen. Pl.*: 11 (1797)
- ≡ *Heterodictyon* Rostaf., *Vers. Syst. Mycetozoen*: 5 (1873) [M. & A., 1969: 92]
- ≡ *Cribraria* subgen. *Eucribraria* Rostaf., *Sluzowce Monogr.*: 233 (1875) [Nom. inval.] [See Saccardo, *Syll. Fung.* 7: 413 (1888)]
- ≡ *Cribraria* subgen. *Schraderella* Rostaf., *Sluzowce Monogr.*: 232 (1875) [See Saccardo, *Syll. Fung.* 7: 412 (1888)]
- Cribraria argillacea*** (Pers. ex J. F. Gmel.) Pers., *Neues Mag. Bot.* 1: 91 (1794) [M. & A., 1969: 78]
- ≡ *Stemonitis argillacea* Pers. ex J. F. Gmel., *Syst. Nat.* 2: 1469 (1792) [M. & A., 1969: 78]
Trichia argillacea (Pers. ex J. F. Gmel.) Poir. in Lamarck, *Encycl.* 8: 55 (1808) [M. & A., 1969: 78]
Cribraria vulgaris var. *argillacea* (Pers. ex J. F. Gmel.) Amo, *Fl. Crypt. Penins. Ibér.*: 583 (1870)
- ≡ *Cribraria micropus* Schrad., *Nov. Gen. Pl.*: 3 (1797) [M. & A., 1969: 78]
- ≡ *Cribraria argillacea* var. *oligocostata* L. F. Čelak., *Arch. Naturwiss. Landesdurchf. Böhmen* 7(5): 25 (1893)
- ≡ *Cribraria argillacea* var. *altaica* Lavrov, *Sporov. Rast. Srednei Azii Kazakhst.*: 115 (1965)
- Cribraria atrofusca*** G. W. Martin & Lovejoy in Martin, *J. Wash. Acad. Sci.* 22(4): 92 (1932) [M. & A., 1969: 78]
- ≡ *Cribraria piriformis* var. *fuscopurpurea* Meyl., *Annuaire Conserv. Jard. Bot. Genève* 15-16: 319 (1913) [M. & A., 1969: 87; Kowalski, *Mycologia* 67(3): 454 (1975)].
- Cribraria aurantiaca*** Schrad., *Nov. Gen. Pl.*: 5 (1797) [M. & A., 1969: 79]
- ≡ *Cribraria vulgaris* var. *aurantiaca* (Schrad.) Pers., *Syn. Meth. Fung.*: 194 (1801) [M. & A., 1969: 79]
Trichia semicancellata var. *aurantiaca* (Schrad.) Poir. in Lamarck, *Encycl.* 8: 56 (1808) [Nom. illeg.]
- ≡ *Cribraria aurantiaca* var. *flava* Alb. & Schwein., *Consp. Fung. Lusat.*: 106 (1805) [M. & A., 1969: 79]
- ≡? *Cribraria variabilis* Ficin. & C. Schub., *Fl. Dresden*, ed. 2: 269 (1823) [Is cited as a synonym of *C. aurantiaca* Schrad. by Berlese, and as a possible synonym of *C. vulgaris* Schrad. by G. Lister, *Monogr. Mycetozoa*, ed. 3: 173 (1925), M. & A., 1969: 79, 91]
- ≡ *Cribraria aurantiaca* var. *sulphurea* Wallr., *Fl. Crypt. Germ.* 2: 362 (1833) [M. & A., 1969: 79]
- Cribraria cancellata*** (Batsch) Nann.-Bremek., *Nederlandse Myxomyceten*: 92 (1975) ["1974"] [Proposed earlier by the same author in *Acta Bot. Neerl.* 11: 22 (1962) but nom. inval., see ICBN, art. 33.3, basionym reference omitted]
- ≡ *Mucor cancellatus* Batsch, *Elench. Fung. Continuatio Secunda*: 135 (1789) [M. & A., 1969: 93]
Stemonitis cancellata (Batsch) J. F. Gmel., *Syst. Nat.* 2: 1468 (1792) [M. & A., 1969: 93]
Dictydium cancellatum (Batsch) T. Macbr., *N. Amer. Slime-Moulds*: 172 (1899)
- ≡ *Cribraria cernua* Pers., *Observ. Mycol.* 1: 91 (1796) [M. & A., 1969: 93]

- Trichia cernua* (Pers.) Poir. in Lamarck, Encycl. 8: 54 (1808) [Nom. illeg., non *T. cernua* Schumach., 1803] [M. & A., 1969: 93]
- Dictydium cernuum* (Pers.) Nees, Syst. Pilze 120 (1817) [M. & A., 1969: 93]
- = *Dictydium umbilicatum* Schrad., Nov. Gen. Pl.: 11 (1797) [M. & A., 1969: 93]
- = *Dictydium cernuum* var. *laxum* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 67 (1873) [M. & A., 1969: 94]
- = *Cribraria exilis* T. Macbr., Bull. Iowa Univ. Lab. Nat. Hist. 2: 378 (1893) [M. & A., 1969: 93]
- Dictydium cancellatum* var. *exile* (T. Macbr.) Torrend, Brotéria, Sér. Bot. 7: 12 (1908)
- Dictydium umbilicatum* var. *exile* (T. Macbr.) Meyl., Bull. Soc. Bot. Genève 2: 264 (1910) [M. & A., 1969: 94]
- = *Dictydium longipes* Morgan, J. Cincinnati Soc. Nat. Hist. 15: 143 (1893) [M. & A., 1969: 93]
- = *Dictydium umbilicatum* var. *fuscum* Lister, J. Bot. 36: 120 (1898) [M. & A., 1969: 94]
- Dictydium cancellatum* var. *fuscum* (Lister) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 185 (1911) [M. & A., 1969: 94]
- Dictydium cancellatum* subsp. *fuscum* (Lister) Meyl., Bull. Soc. Vaud. Sci. Nat. 59: 485 (1937) [M. & A., 1969: 94]
- Cribraria cancellata* var. *fusca* (Lister) Nann.-Bremek., Nederlandse Myxomyceten: 93 (1975) ["1974"] [Proposed earlier by the same author in Acta Bot. Neerl. 11: 22 (1962) but nom. inval., see ICBN, art. 33.3, basionym reference omitted]
- = *Dictydium cancellatum* var. *purpureum* T. Macbr., N. Amer. Slime-Moulds: 173 (1899) [M. & A., 1969: 94]
- Dictydium umbilicatum* f. *purpureum* (T. Macbr.) Meyl., Bull. Soc. Bot. Genève 2: 265 (1910) [M. & A., 1969: 95]
- Dictydium cancellatum* subsp. *anomalum* var. *purpureum* (T. Macbr.) Meyl., Bull. Soc. Vaud. Sci. Nat. 59: 485 (1937) [M. & A., 1969: 94]
- = *Dictydium umbilicatum* var. *anomalum* E. Jahn, Ber. Deutsch. Bot. Ges. 19: 99 (1901) [M. & A., 1969: 93]
- Dictydium anomalum* (E. Jahn) Meyl., Bull. Soc. Vaud. Sci. Nat. 44: 295 (1908) [M. & A., 1969: 93]
- Dictydium umbilicatum* subsp. *anomalum* (E. Jahn) Meyl., Bull. Soc. Bot. Genève 2: 265 (1910) [M. & A., 1969: 94]
- Dictydium cancellatum* f. *anomalum* (E. Jahn) G. Lister in Lister, Monogr. Mycetozoa, ed. 3: 179 (1925) [M. & A., 1969: 94]
- Dictydium cancellatum* subsp. *anomalum* (E. Jahn) Meyl., Bull. Soc. Vaud. Sci. Nat. 59: 485 (1937) [M. & A., 1969: 94]
- Cribraria cancellata* var. *anomala* (E. Jahn) Y. Yamam., Myxomycete Biota Japan: 97 (1998)
- = *Dictydium cancellatum* var. *prolatum* T. Macbr., N. Amer. Slime-Moulds, ed. 2: 32 (1922) [M. & A., 1969: 94]
- = *Dictydium cancellatum* subsp. *anomalum* f. *longisetum* Meyl., Bull. Soc. Vaud. Sci. Nat. 59: 485 (1937) [M. & A., 1969: 94]
- Cribraria confusa** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 86(2): 212 (1983)
- Cribraria costata** Dhillon & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 81(2): 141 (1978)
- Cribraria cribrarioides** (Emoto) Hatano, Rep. (Annual) Environm. Sci. Inst. Mie Pref. 10: 36 (1985) [Hatano, Arnott & Keller, Mycologia 88(2): 327 (1996)]
- = *Lindbladia effusa* var. *cribrarioides* Emoto, J. Jap. Bot. 12: 348 (1936) [M. & A., 1969: 74]
- Tubifera cribrarioides* (Emoto) Emoto, Myxomycetes Japan: 30 (1977) ["cribrarioides"] [Nom. inval., see ICBN, art. 33.3, basionym reference omitted]
- Lindbladia cribrarioides* (Emoto) M. L. Farr & Alexop. in Farr, Nova Hedwigia 41(1-4): 173 (1986)
- Cribraria dictyospora** G. W. Martin & Lovejoy in Martin, J. Wash. Acad. Sci. 22(4): 91 (1932) [M. & A., 1969: 79]
- Cribraria elegans** Berk. & M. A. Curtis in Berkeley, Grevillea 2: 67 (1873) [M. & A., 1969: 80]
- Cribraria enodis** Z. H. Zhou & Yu Li, Acta Mycol. Sin. 2(1): 38 (1983)
- Cribraria exigua** Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 304 (1931) [Kowalski, Mycologia 67(3): 453 (1975)]
- Cribraria ferruginea** Meyl., Annuaire Conserv. Jard. Bot. Genève 15-16: 319 (1913) [M. & A., 1969: 80; Kowalski, Mycologia 67(3): 453 (1975)]
- Cribraria filiformis** Nowotny & H. Neubert in Neubert, Nowotny & Baumann, Myxomyceten I: 77 (1993)
- Cribraria intricata** Schrad., Nov. Gen. Pl.: 7 (1797) [M. & A., 1969: 81]
- = *Trichia intricata* (Schrad.) Poir. in Lamarck, Encycl. 8: 56 (1808) [M. & A., 1969: 81]
- = *Cribraria dictydioides* Cooke & Balf. f. in Masee, Monogr. Myxogastr.: 65 (1892) [M. & A., 1969: 81]
- Cribraria intricata* var. *dictydioides* (Cooke & Balf. f.) Lister, Monogr. Mycetozoa: 144 (1894) [M. & A., 1969: 81]
- = *Cribraria intricata* var. *simlae* K. S. Thind & T. N. Lakh., Indian Phytopathol. 21: 95 (1968)

- Cribraria languescens** Rex, Proc. Acad. Nat. Sci. Philadelphia 43: 394 (1891) [M. & A., 1969: 82]
- = *Cribraria cuprea* Morgan, J. Cincinnati Soc. Nat. Hist. 15: 142 (1893) [M. & A., 1969: 82]
- = *Cribraria languescens* f. *magnigranosa* K. S. Thind & Sohi, Indian Phytopathol. 9: 159 (1956) ["*magnigranosa*"]
- Cribraria laxa** Hagelst., Mycologia 21(5): 298 (1929) [M. & A., 1969: 82]
- Cribraria lepida** Meyl., Bull. Soc. Vaud. Sci. Nat. 56: 326 (1927) [M. & A., 1969: 83; Kowalski, Mycologia 67(3): 454 (1975)]
- Cribraria macrocarpa** Schrad., Nov. Gen. Pl.: 8 (1797) [M. & A., 1969: 83]
- ≡ *Trichia macrocarpa* (Schrad.) Poir. in Lamarck, Encycl. 8: 55 (1808) [M. & A., 1969: 83]
- = *Cribraria tatrica* Racib., Hedwigia 24: 170 (1885) [M. & A., 1969: 83]
- = *Heterodictyon bieniaszii* Racib., Hedwigia 28: 121 (1889) [M. & A., 1969: 83]
- Cribraria bieniaszii* (Racib.) Masee, Monogr. Myxogastr.: 60 (1892) [M. & A., 1969: 83] [Saccardo & Trotter in Saccardo, Syll. Fung. 22: 806 (1913) attributed it to Torrend, Brotéria, Sér. Bot. 6: 14 (1908)]
- Cribraria macrospora** Nowotny & H. Neubert in Neubert, Nowotny & Baumann, Myxomyceten 1: 85 (1993)
- Cribraria macrostipitata** H. Neubert & Nann.-Bremek., Z. Mykol. 43(2): 238 (1977)
- Cribraria martinii** Nann.-Bremek., Acta Bot. Neerl. 13: 140 (1964) [M. & A., 1969: 84]
- Cribraria media** H. Z. Li & Yu Li in Li & Li, Mycotaxon 53: 71 (1995)
- Cribraria meylanii** Brândză, Bull. Soc. Mycol. France 44: 274 (1929) [Kowalski, Mycologia 67(3): 456 (1975)]
- = *Cribraria rubiginosa* var. *longipes* Meyl., Bull. Soc. Vaud. Sci. Nat. 44: 294 (1908) [Kowalski, Mycologia, 67(3): 456 (1975)]
- Cribraria microcarpa** (Schrad.) Pers., Syn. Meth. Fung.: 190 (1801) [emend. Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch., C 69(3): 340 (1966)]
- ≡ *Dictydium microcarpum* Schrad., Nov. Gen. Pl.: 13 (1797) [M. & A., 1969: 84]
- Trichia microcarpa* (Schrad.) Poir. in Lamarck, Encycl. 8: 54 (1808) [M. & A., 1969: 84]
- = *Cribraria minima* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 67 (1873) [M. & A., 1969: 84]
- = *Cribraria pachydictyon* Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 69(3): 342 (1966)
- Cribraria microcarpa* var. *pachydictyon* (Nann.-Bremek.) Y. Yamam., Myxomycete Biota Japan: 81 (1998)
- Cribraria minutissima** Schwein., Trans. Amer. Philos. Soc. 4: 260 (1832) [M. & A., 1969: 85]
- = *Cribraria microscopica* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 67 (1873) [M. & A., 1969: 85]
- Cribraria mirabilis** (Rostaf.) Masee, Monogr. Myxogastr.: 60 (1892)
- ≡ *Heterodictyon mirabile* Rostaf., Sluzowce Monogr.: 231 (1875) [M. & A., 1969: 95]
- Dictydium mirabile* (Rostaf.) Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 305 (1931) [M. & A., 1969: 95]
- Dictydium cancellatum* var. *heterodictyon* Torrend, Brotéria, Sér. Bot. 7: 12 (1908) [Based on *Heterodictyon mirabile* Rostaf.]
- Dictydium umbilicatum* subsp. *anomalum* var. *heterodictyon* (Torrend) Meyl., Bull. Soc. Bot. Genève 2: 265 (1910) [M. & A., 1969: 95]
- Dictydium mirabile* var. *heterodictyon* (Torrend) Meyl., Bull. Soc. Vaud. Sci. Nat. 59: 482 (1937)
- = *Dictydium umbilicatum* subsp. *anomalum* var. *cibrarioides* Meyl., Bull. Soc. Bot. Genève 2: 265 (1910) [M. & A., 1969: 95]
- Dictydium mirabile* var. *cibrarioides* (Meyl.) Meyl., Bull. Soc. Vaud. Sci. Nat. 59: 482 (1937)
- = *Dictydium cancellatum* var. *alpinum* G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 185 (1911) [M. & A., 1969: 95]
- Dictydium mirabile* var. *alpinum*, (G. Lister) Meyl., Bull. Soc. Vaud. Sci. Nat. 59: 482 (1937)
- Cribraria oregana** H. C. Gilbert in Peck & Gilbert, Amer. J. Bot. 19: 142 (1932) [M. & A., 1969: 86]
- ≡ *Cribraria vulgaris* var. *oregana* (H. C. Gilbert) Nann.-Bremek. & Lado, Proc. Kon. Ned. Akad. Wetensch., C 88(2): 224 (1985)
- = *Cribraria montana* Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 76(5): 476 (1973) [Lado & Pando, Fl. Mycol. Iber. 2: 76 (1997)]
- Cribraria paucicostata** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 74(4): 356 (1971)
- Cribraria persoonii** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 74(4): 353 (1971)
- Cribraria pertenuis** Flatau & Schirmer, Z. Mykol. 60(1): 256 (1994)
- Cribraria piriformis** Schrad., Nov. Gen. Pl.: 4 (1797) [M. & A., 1969: 87]
- = *Cribraria intermedia* Schrad., Nov. Gen. Pl.: 4 (1797)
- = *Cribraria piriformis* var. *maxima* Torrend, Brotéria, Sér. Bot. 7: 17 (1908)

- = *Cribraria piriformis* var. *notabilis* Rex ex G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 182 (1911) [M. & A., 1969: 87]
- = *Cribraria vulgaris* f. *macrocarpoidea* Meyl., Annuaire Conserv. Jard. Bot. Genève 15-16: 318 (1913)
- Cribraria piriformis* var. *macrocarpoidea* (Meyl.) Meyl., Bull. Soc. Vaud. Sci. Nat. 58: 88 (1933) [M. & A., 1969: 87; Kowalski, Mycologia 67(3): 455 (1975)]
- Cribraria purpurea*** Schrad., Nov. Gen. Pl.: 8 (1797) [M. & A., 1969: 88]
- = *Cribraria purpurea* var. *altaica* Lavrov, Sist. Zametki Mater. Gerb. Krylova Tomsk. Gosud. Univ. Kujbyseva 4-5: 2 (1929) [Petrak's list, 1953: 601]
- Cribraria rubiginosa*** Fr., Syst. Mycol. 3: 172 (1829) [M. & A., 1969: 88]
- Cribraria rufa*** (Roth) Rostaf., Sluzowce Monogr.: 232 (1875) [M. & A., 1969: 89]
- ≡ *Stemonitis rufa* Roth, Tent. Fl. Germ. 1: 548 ["448"] (1788) [M. & A., 1969: 89]
- = *Cribraria rufescens* Pers., Neues Mag. Bot. 1: 91 (1794) [M. & A., 1969: 89]
- Trichia rufescens* (Pers.) Poir. in Lamarck, Encycl. 8: 55 (1808) [M. & A., 1969: 89]
- ≠? *Cribraria fulva* Schrad., Nov. Gen. Pl.: 5 (1797) [M. & A., 1969: 89]
- = *Cribraria rufescens* var. *fulva* Alb. & Schwein., Consp. Fung. Lusat.: 105 (1805)
- = *Cribraria rufescens* var. *intermedia* Alb. & Schwein., Consp. Fung. Lusat.: 105 (1805)
- Cribraria rutila*** (G. Lister) Nann.-Bremek., Acta Bot. Neerl. 11: 22 (1962)
- ≡ *Dictydium rutilum* G. Lister, J. Bot. 71: 222 (1933) [M. & A., 1969: 96]
- Cribraria splendens*** (Schrad.) Pers., Syn. Meth. Fung.: 191 (1801) [M. & A., 1969: 89]
- ≡ *Dictydium splendens* Schrad., Nov. Gen. Pl.: 14 (1797) [M. & A., 1969: 89]
- Trichia splendens* (Schrad.) Poir. in Lamarck, Encycl. 8: 55 (1808) [M. & A., 1969: 89]
- = *Cribraria splendens* var. *gracilis* Racib., Rozpr. Spraw. Posiedzen Wydz. Mat.-Przyr. Akad. Umiejtn 12: 79 (1884)
- = *Cribraria splendens* var. *oligocostata* Racib., Hedwigia 28: 122 (1889)
- = *Cribraria splendens* var. *polybrachia* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 24 (1893)
- Cribraria stellifera*** Nowotny & H. Neubert in Neubert, Nowotny & Baumann, Myxomyceten 1: 106 (1993)
- Cribraria tenella*** Schrad., Nov. Gen. Pl.: 6 (1797) [M. & A., 1969: 90]
- ≡ *Trichia semicancellata* var. *tenella* (Schrad.) Poir. in Lamarck, Encycl. 8: 56 (1808)
- = *Cribraria tenella* var. *macropus* Alb. & Schwein., Consp. Fung. Lusat.: 106 (1805)
- = *Cribraria elata* Massee, Monogr. Myxogastr.: 61 (1892) [M. & A., 1969: 90]
- = *Cribraria tenella* f. *gracilis* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 23 (1893)
- = *Cribraria tenella* var. *concinna* G. Lister in Lister, Monogr. Mycetozoa, ed. 3: 175 (1925)
- Cribraria violacea*** Rex, Proc. Acad. Nat. Sci. Philadelphia 43: 393 (1891) [M. & A., 1969: 91]
- Cribraria vulgaris*** Schrad., Nov. Gen. Pl.: 6 (1797) [M. & A., 1969: 91]
- = *Cribraria vulgaris* var. *flava* Alb. & Schwein., Consp. Fung. Lusat.: 106 (1805)
- = *Cribraria vulgaris* var. *lutosa* Alb. & Schwein., Consp. Fung. Lusat.: 106 (1805)
- = *Cribraria vulgaris* var. *delicatula* Rostaf., Sluzowce Monogr.: 235 (1875)
- = *Cribraria vulgaris* var. *inconspicua* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 22 (1893)
- Cribraria zonatispora*** Lado, Mosquera & Beltrán-Tej., Mycologia 91(1): 157 (1999)
- DIACHEA*** Fr., Syst. Orb. Veg.: 143 (1825) [M. & A., 1969: 176]
- = *Diachaeella* Höhn., Akad. Wiss. Wien. Sitzungsber., Math.-Naturwiss 118: 436 (1909) [M. & A., 1969: 176]
- Diachea aurantipes*** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 86(2): 220 (1983)
- Diachea bulbillosa*** (Berk. & Broome) Lister in Penzig, Myxomyc. Fl. Buitenzorg: 45 (1898) [M. & A., 1969: 177]
- ≡ *Didymium bulbillosum* Berk. & Broome, J. Linn. Soc., Bot. 14: 84 (1873) [M. & A., 1969: 177]
- Diachaeella bulbillosa* (Berk. & Broome) Höhn., Sitzungsber. Kaiserl. Akad. Wiss., Math.-Naturwiss. Cl., Abt. 1 118: 437 (1909) [M. & A., 1969: 177]
- = *Diachea splendens* Racib., Hedwigia 37: 54 (1898) [Nom. illeg., non *D. splendens* Peck, 1878] [M. & A., 1969: 177]
- Diachea deviata*** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 89(2): 221 (1986)

- Diachea koazei** Y. Yamam., J. Jap. Bot. 62(11): 346 (1987)
- Diachea leucopodia** (Bull.) Rostaf., Sluzowce Monogr.: 190 (1874) ["leucopoda"] [M. & A., 1969: 178]
- ≡ *Trichia leucopodia* Bull., Herb. France, pl. 502 fig. 2 (1791) [M. & A., 1969: 178]
- Stemonitis leucopodia* (Bull.) DC. in Lamarck & de Candolle, Fl. Franç., ed. 3, 2: 257 (1805) [M. & A., 1969: 178]
- = *Stemonitis elegans* Trentep. in Roth, Catal. Bot. 1: 220 (1797) [M. & A., 1969: 178]
- Diachea elegans* (Trentep.) Fr., Syst. Mycol. 3: 156 (1829) [M. & A., 1969: 178] [Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 102 (1925), as "Fr. 1825", but Fries did not publish the combination until 1829]
- = *Stemonitis leucostyla* Pers., Syn. Meth. Fung.: 186 (1801) [M. & A., 1969: 178]
- Diachea leucostyla* (Pers.) Schwein., Trans. Amer. Philos. Soc. 4: 260 (1832) [M. & A., 1969: 178]
- = *Diachea confusa* Massee, Monogr. Myxogastr.: 259 (1892) [M. & A., 1969: 178]
- = *Diachea leucopodia* var. *globosa* G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 118 (1911) [M. & A., 1969: 178]
- Diachea megalospora** K. S. Thind & Manocha, Mycologia 56(5): 715 (1964) [M. & A., 1969: 179]
- Diachea radiata** G. Lister & Petch in Farquharson & Lister, J. Bot. 54: 130 (1916) [M. & A., 1969: 179]
- Diachea silvaepluvialis** M. L. Farr, Contr. U. S. Natl. Herb. 37(6): 409 (1969)
- = *Diachea verrucospora* Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 90(3): 316 (1987)
- Diachea splendens** Peck, Annual Rep. New York State Mus. 30: 50 (1878) [Non *D. splendens* Racib., 1898] [M. & A., 1969: 180]
- ≡ *Diachea bulbillosa* var. *splendens* (Peck) G. Lister in Lister, Monogr. Mycetozoa, ed. 3: 103 (1925) [M. & A., 1969: 180]
- Diachea subsessilis** Peck, Annual Rep. New York State Mus. 31: 41 (1879) ["Diachaea"] [M. & A., 1969: 180]
- =? *Lamproderma fuckelianum* Rostaf., Sluzowce Monogr.: 208 (1874) [G. Lister, Monogr. Mycetozoa, ed. 3: 104 (1925), suggested that it may be a nearly limeless form of *D. subsessilis* Peck. If this should be verified, Rostafiński's epithet would have precedence, M. & A., 1969: 181]
- Diachea synspora** H. Z. Li, Acta Mycol. Sin. 7(2): 99 (1988)
- Diachea thomasi** Rex, Proc. Acad. Nat. Sci. Philadelphia 44: 329 (1892) [M. & A., 1969: 181]
- DIACHEOPSIS** Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 149 (1930) [M. & A., 1969: 185]
- Diacheopsis depressa** K. S. Thind & T. N. Lakh., Mycologia 60(5): 1082 (1968)
- Diacheopsis effusa** Kowalski, Mycologia 67(3): 623 (1975)
- Diacheopsis insessa** (G. Lister) Ing, Trans. Brit. Mycol. Soc. 48(4): 648 (1965) [M. & A., 1969: 186]
- ≡ *Lamproderma inessum* G. Lister, Trans. Brit. Mycol. Soc. 4: 41 (1913) [M. & A., 1969: 186]
- Diacheopsis kowalskii** Mar. Mey. & Poulain, Bull. Féd. Mycol. Dauphiné-Savoie 38(150): 29 (1998)
- Diacheopsis laxifila** Nann.-Bremek. & Hooff, Proc. Kon. Ned. Akad. Wetensch. 99(1-2): 47 (1996) ["laxifilum"] [The number 1951 of the holotype refers to the collection number of J. P. M. van Hooff, see ICBN, art. 37.6]
- Diacheopsis metallica** Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 149 (1930) [M. & A., 1969: 186; Kowalski, Mycologia 67(3): 464 (1975)]
- Diacheopsis minuta** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch. 93(3): 266 (1990)
- Diacheopsis mitchellii** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 86(2): 224 (1983)
- Diacheopsis nannengae** G. Moreno, Illana & Heykoop, Mycotaxon 34(2): 626 (1989)
- Diacheopsis pauxilla** Mar. Mey. & Poulain, Bull. Féd. Mycol. Dauphiné-Savoie 38(150): 30 (1998)
- Diacheopsis pieninica** Krzemien., Kosmos, Ser. A, Biol. (Warsaw) 65: 190 (1947) [M. & A., 1969: 186]
- Diacheopsis reticulospora** Mar. Mey. & Poulain, Beitr. Kenn. Pilze Mitteleurop. 6: 35 (1990)
- Diacheopsis rigidifila** S. L. Stephenson & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch. 93(2): 191 (1990) [The number 5228 of the holotype refers to the collection number of S. L. Stephenson, which was sent to Nannenga-Bremekamp and so is probably deposited at BR (Stephenson, in litt.), see ICBN, art. 37.6]
- Diacheopsis serpula** Kowalski, Mycologia 67(3): 619 (1975)
- Diacheopsis spinosifila** M. L. Farr & R. L. Critchf. in Farr, Int. J. Mycol. Lichenol. 3(2-3): 206 (1988)
- Diacheopsis synspora** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 89(2): 223 (1986)
- Diacheopsis vermicularis** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 90(3): 318 (1987)

- DIANEMA** Rex, Proc. Acad. Nat. Sci. Philadelphia 43: 397 (1891) [M. & A., 1969: 104; Kowalski, Mycologia 67(3): 456 (1975)]
- = *Lamprodermopsis* Meyl., Bull. Soc. Vaud. Sci. Nat. 46: 56 (1910) [M. & A., 1969: 104; Kowalski, Mycologia 67(3): 456 (1975)]
- Dianema aggregatum** Kowalski, Mycologia 59(6): 1081 (1968) ["1967"]
- Dianema andersonii** Morgan in Macbride, N. Amer. Slime-Moulds, ed. 2: 239 (1922) ["andersoni"] [On the identity of this species see comments of M. & A., 1969: 106]
- Dianema corticatum** Lister, Monogr. Mycetozoa: 205 (1894) [M. & A., 1969: 105]
- Dianema depressum** (Lister) Lister, Monogr. Mycetozoa: 204 (1894) [M. & A., 1969: 105]
- = *Cornuvia depressa* Lister, J. Bot. 29: 264 (1891) [M. & A., 1969: 105]
- = *Margarita metallica* var. *microspora* Meyl., Bull. Soc. Vaud. Sci. Nat. 53: 462 (1921) [M. & A., 1969: 103; Kowalski, Mycologia 67(3): 457 (1975)]
- Dianema harveyi** Rex, Proc. Acad. Nat. Sci. Philadelphia 43: 397 (1891) [M. & A., 1969: 106]
- = *Dianema harveyi* var. *verruculatum* Y. Yamam., Bull. Natl. Sci. Mus., Tokyo, B 26(3): 108 (2000)
- Dianema inconspicuum** Poulain, Mar. Mey. & Bozonnet, Stapfia 73: 86 (2000)
- Dianema microsporangium** H. Z. Li & Yu Li, Mycosystema 3: 89 (1990)
- Dianema mongolicum** Novozh. in Novozhilov & Golubeva, Mikol. Fitopatol. 20(5): 371 (1986)
- = *Dianema mongolicum* var. *macrosporum* Y. Yamam., Bull. Natl. Sci. Mus., Tokyo, B 26(3): 108 (2000)
- Dianema nivale** (Meyl.) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 258 (1911) [M. & A., 1969: 106]
- = *Lamprodermopsis nivalis* Meyl., Bull. Soc. Vaud. Sci. Nat. 46: 56 (1910) [M. & A., 1969: 106; Kowalski, Mycologia 67(3): 456 (1975)]
- Dianema repens** G. Lister & Cran in Lister, Monogr. Mycetozoa, ed. 3: 255 (1925) [M. & A., 1969: 107]
- Dianema subretisporum** Kowalski, Mycologia 59(6): 1080 (1968) ["1967"]
- DICTYDIAETHALIUM** Rostaf., Vers. Syst. Mycetozoen: 5 (1873) [M. & A., 1969: 59]
- = *Clathroptychium* Rostaf., Sluzowce Monogr.: 225 (1875) [M. & A., 1969: 59]
- = *Ophiuridium* Hazsl., Oesterr. Bot. 27: 84 (1877) [M. & A., 1969: 59]
- Dictydiaethalium dictyosporum** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 69(3): 345 (1966) [M. & A., 1969: 59]
- Dictydiaethalium plumbeum** (Schumach.) Rostaf. in Lister, Monogr. Mycetozoa: 157 (1894) [M. & A., 1969: 60]
- = *Fuligo plumbea* Schumach., Enum. Pl. 2: 193 (1803) [M. & A., 1969: 60]
- Reticularia plumbea* (Schumach.) Fr., Syst. Mycol. 3: 88 (1829) [M. & A., 1969: 60]
- = *Ostracoderma spadiceum* Schwein., Trans. Amer. Philos. Soc. 4: 262 (1832) [M. & A., 1969: 60]
- = *Licea rugulosa* Wallr., Fl. Crypt. Germ. 2: 345 (1833) [M. & A., 1969: 60]
- Clathroptychium rugulosum* (Wallr.) Rostaf., Sluzowce Monogr.: 225 (1875) [M. & A., 1969: 60]
- = *Licea applanata* Berk., London J. Bot. 4: 67 (1845) [Non *L. applanata* Kowalski, 1970] [M. & A., 1969: 60]
- Dictydiaethalium applanatum* (Berk.) Rostaf. in Fuckel, Jahrb. Nassauischen Vereins Naturk. 27-28: 69 (1873) [M. & A., 1969: 60]
- = *Lycogala lenticulare* Durieu & Mont. in Durieu, Expl. Sci. Algérie 1: 401 (1848) [M. & A., 1969: 60]
- = *Reticularia entoxantha* Berk., Hooker's J. Bot. Kew Gard. Misc. 3: 201 (1851) [M. & A., 1969: 60]
- Dictydiaethalium plumbeum* var. *entoxanthum* (Berk.) G. Lister, J. Linn. Soc., Bot. 46: 95 (1922) [M. & A., 1969: 61]
- = *Reticularia lurida* Berk. & Broome, J. Linn. Soc., Bot. 14: 82 (1873) [M. & A., 1969: 60]
- = *Licea cinnabarina* Berk. & Broome, J. Linn. Soc., Bot. 14: 86 (1873) [M. & A., 1969: 60; Yamamoto, Myxomycete Biota Japan: 106 (1998)]
- Clathroptychium cinnabarinum* (Berk. & Broome) Sacc., Michelia 1: 545 (1879) [M. & A., 1969: 60]
- Dictydiaethalium plumbeum* var. *cinnabarinum* (Berk. & Broome) Hiranuma ex Shirai & Hara, List. Jap. Fung., ed. 3: 119 (1927) [Yamamoto, Myxomycete Biota Japan: 106 (1998)]
- Dictydiaethalium cinnabarinum* (Berk. & Broome) H. Neubert, Nowotny & K. Baumann, Myxomyceten 1: 122 (1993) [Yamamoto, Myxomycete Biota Japan: 106 (1998)]
- Dictydiaethalium plumbeum* f. *cinnabarinum* (Berk. & Broome) Y. Yamam., Myxomycete Biota Japan: 106 (1998)
- = *Licea tenuissima* Berk. & Broome, J. Linn. Soc., Bot. 14: 86 (1873) [M. & A., 1969: 60]

- = *Ophiuridium dissiliens* Hazsl., Oesterr. Bot. 27: 85 (1877) ["D."] [M. & A., 1969: 60]
- Dictydiaethalium dissiliens* (Hazsl.) Hazsl. in Just, Bot. Jahresber. (Just) 5: 156 (1877) [M. & A., 1969: 60]
- Clathroptychium dissiliens* (Hazsl.) Berl. in Saccardo, Syll. Fung. 7: 409 (1888) [M. & A., 1969: 60]
- = *Clathroptychium berkeleyi* Massee, Monogr. Myxogastr.: 53 (1892) [M. & A., 1969: 60]
- = *Dictydiaethalium ferrugineum* Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 69(3): 345 (1966) [M. & A., 1969: 60]
- = *Enteridium japonicum* Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch. 98(3): 321 (1995) [The number 13.923 of the holotype refers to the collection number of Y. Yamamoto; it is deposited in TNS (Yamamoto, in litt.), see ICBN, art. 37.6]
- Dictydiaethalium plumbeum* var. *japonicum* (Nann.-Bremek. & Y. Yamam.) Y. Yamam., Myxomycete Biota Japan: 105 (1998)
- DIDERMA** Pers., Neues Mag. Bot. 1: 89 (1794) [M. & A., 1969: 347]
- = *Leangium* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 3: 26 (1809) [M. & A., 1969: 347]
- Chondrioderma* subgen. *Leangium* (Link) Rostaf., Sluzowce Monogr.: 182 (1874)
- Diderma* subgen. *Leangium* (Link) T. Macbr., N. Amer. Slime-Moulds: 93 (1899)
- = *Polyschismium* Corda, Icon. Fung. 5: 20 (1842)
- = *Chondrioderma* Rostaf., Vers. Syst. Mycetozoen: 13 (1873) [M. & A., 1969: 347]
- = *Wilczekia* Meyl., Bull. Soc. Vaud. Sci. Nat. 56: 68 (1925) [Kowalski, Mycologia 67(3): 484 (1975)]
- Diderma alexopouli** T. N. Lakh., Norweg. J. Bot. 25(3): 198 (1978)
- Diderma alpino-spumarioides** K. S. Thind, Myxomycetes India: 314 (1977)
- Diderma alpinum** (Meyl.) Meyl., Bull. Soc. Vaud. Sci. Nat. 51: 261 (1917) [M. & A., 1969: 351] [Farr, Fl. Neotrop. 16: 208-209 (1976), considers this species as a synonym of *D. niveum* (Rostaf.) T. Macbr.]
- = *Diderma globosum* var. *alpinum* Meyl., Annuaire Conserv. Jard. Bot. Genève 15-16: 310 (1913) [M. & A., 1969: 351; Kowalski, Mycologia 67(3): 484 (1975)]
- = *Diderma niveum* var. *ferrugineum* Meyl., Bull. Soc. Vaud. Sci. Nat. 55: 240 (1924) ["ferruginea"] [Kowalski, Mycologia 67(3): 487 (1975)]
- = *Diderma alpinum* var. *macrosporum* Meyl., Bull. Soc. Vaud. Sci. Nat. 58: 319 (1935) [M. & A., 1969: 351; Kowalski, Mycologia 67(3): 485 (1975)]
- Diderma antarcticola** E. Horak, Contr. Inst. Antart. Argent. 104: 5 (1966)
- Diderma antarcticum** (Speg.) Sturgis, Mycologia 8(1): 37 (1916) [M. & A., 1969: 351]
- = *Licea antarctica* Speg., Bol. Acad. Nac. Ci. 11: 58 (1887) [M. & A., 1969: 351]
- Diderma areolatum** M. L. Farr, Nova Hedwigia 31(1-3): 113 (1979)
- Diderma asteroides** (Lister & G. Lister) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 113 (1911) [M. & A., 1969: 352]
- = *Chondrioderma asteroides* Lister & G. Lister, J. Bot. 40: 209 (1902) [M. & A., 1969: 352]
- = *Diderma asteroides* var. *luteum* Meyl., Bull. Soc. Vaud. Sci. Nat. 53: 454 (1921) [Kowalski, Mycologia 67(3): 485 (1975)]
- = *Diderma asteroides* var. *macrosporum* Eliasson, Svensk Bot. Tidskr. 69(2): 110 (1975) ["macrospora"]
- Diderma aurantiacum** Y. Yamam. & Nann.-Bremek. in Nannenga-Bremekamp & Yamamoto, Proc. Kon. Ned. Akad. Wetensch. 93(3): 267 (1990)
- Diderma badhamioides** K. S. Thind, Myxomycetes India: 315 (1977) ["badhamioid"]
- Diderma badhamiopsis** Y. Yamam. & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch. 98(3): 320 (1995) [The number 13.879 of the holotype refers to the collection number of Y. Yamamoto; it is deposited in TNS (Yamamoto, in litt.), see ICBN, art. 37.6]
- Diderma botryosum** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 89(2): 225 (1986)
- Diderma brooksii** Kowalski, Mycologia 60(3): 595 (1968)
- Diderma brunneobasale** S. L. Stephenson & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch. 93(2): 192 (1990) ["brunneobasalis"]
- Diderma carneum** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 71(2): 198 (1968)
- = *Diderma carneum* var. *album* Nann.-Bremek. & Loer., Proc. Kon. Ned. Akad. Wetensch., C 84(2): 240 (1981)
- Diderma chondrioderma** (de Bary & Rostaf.) G. Lister in Lister, Monogr. Mycetozoa, ed. 3: 258 (1925) [M. & A., 1969: 352]
- = *Didymium chondrioderma* de Bary & Rostaf. in Aleksandrovich, Miksom.: 89 (1872) [M. & A., 1969: 352]
- = *Chondrioderma alexandrowiczii* Rostaf., Sluzowce Monogr.: 169 (1874) [M. & A., 1969: 352]
- Didymium alexandrowiczii* (Rostaf.) Massee, Monogr. Myxogastr.: 232 (1892) [M. & A., 1969: 353]
- = *Diderma arboreum* G. Lister & Petch in G. Lister, J. Bot. 51: 2 (1913) [M. & A., 1969: 353]

- Diderma cinereum** Morgan, J. Cincinnati Soc. Nat. Hist. 16: 154 (1894) [M. & A., 1969: 353]
 = *Chondrioderma cinereum* (Morgan) Torrend, Brotéria, Sér. Bot. 7: 104 (1908)
- Diderma cingulatum** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 71(2): 191 (1968)
- Diderma circumscissile** S. D. Patil, R. L. Mishra & Ranade in Mishra & Ranade, Maharashtra Vidnyan Mandir Patrika 14(1): 33 (1979) ["circumscissilis"]
- Diderma cor-rubrum** T. Macbr., N. Amer. Slime-Moulds, ed. 2: 140 (1922) [M. & A., 1969: 354]
- Diderma corrugatum** T. E. Brooks & H. W. Keller in Keller & Brooks, Mycologia 69(1): 180 (1977)
- Diderma crustaceum** Peck, Annual Rep. New York State Mus. 26: 74 (1874) [M. & A., 1969: 354]
 = *Chondrioderma crustaceum* (Peck) Berl. in Saccardo, Syll. Fung. 7: 373 (1888) [M. & A., 1969: 354]
- Diderma darjeelingense** K. S. Thind & H. S. Sehgal, Mycologia 56(4): 562 (1964) [M. & A., 1969: 355]
 = *Lepidoderma takahashii* Y. Yamam., J. Jap. Bot. 67(2): 112 (1992)
Diderma darjeelingense var. *takahashii* (Y. Yamam.) Y. Yamam., Myxomycete Biota Japan: 292 (1998)
- Diderma deplanatum** Fr., Syst. Mycol. 3: 110 (1829) [M. & A., 1969: 356]
 = *Leocarpus deplanatus* (Fr.) Fr., Summa Veg. Scand.: 450 (1849) [M. & A., 1969: 356]
Chondrioderma deplanatum (Fr.) Rostaf., Sluzowce Monogr. Suppl.: 17 (1876) [M. & A., 1969: 356]
Chondrioderma niveum var. *deplanatum* (Fr.) Lister, Monogr. Mycetozoa: 80 (1894)
Diderma niveum subsp. *deplanatum* (Fr.) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 106 (1911) [M. & A., 1969: 356]
Diderma niveum var. *deplanatum* (Fr.) Meyl., Bull. Soc. Vaud. Sci. Nat. 50: 3 (1914)
 =? *Diderma contortum* Hoffm., Fl. Crypt. Germ. 3: pl. 9 fig. 2a (1795) [May represent an earlier name for this species. Fuckel, Jahrb. Nassauischen Vereins Naturk. 23-24: 341 (1870), applied Hoffmann's name to *Physarum bivalve* Pers. That is the source of "*D. contortum* Fuckel" in the literature, which was, of course, not validly published. Hoffmann may have been applying Persoon's name of 1794. The original has not been seen, M & A., 1969: 356]
 = *Diderma deplanatum* f. *pulverulentum* Meslin, Bull. Soc. Linn. Normandie 7: 176 (1925) ["pulverulenta"]
- Diderma diadematum** Schokn. & J. L. Crane, Trans. Brit. Mycol. Soc. 70(1): 146 (1978)
- Diderma donkii** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 76(5): 482 (1973)
 = *Diderma donkii* var. *echinosporum* Buyck, Bull. Jard. Bot. Belg. 52(1/2): 184 (1982)
- Diderma effusum** (Schwein.) Morgan, J. Cincinnati Soc. Nat. Hist. 16: 155 (1894) [M. & A., 1969: 356]
 = *Physarum effusum* Schwein., Trans. Amer. Philos. Soc. 4: 257 (1832) [non *Ph. effusum* Link, 1875] [M. & A., 1969: 356]
Chondrioderma reticulatum var. *effusum* (Schwein.) Torrend, Brotéria, Sér. Bot. 7: 99 (1908) [Nom. illeg., see ICBN, art. 11.4]
 = *Didymium reticulatum* Rostaf. in Fuckel, Jahrb. Nassauischen Vereins Naturk. 27-28: 73 (1873) [Nom. illeg., non *D. reticulatum* Bisch., 1842, nec *D. reticulatum* Berk. & Broome, 1876] [M. & A., 1969: 356]
Chondrioderma reticulatum (Rostaf.) Rostaf., Sluzowce Monogr.: 170 (1874) [M. & A., 1969: 356]
Diderma reticulatum (Rostaf.) Morgan, J. Cincinnati Soc. Nat. Hist. 16: 155 (1894) [Nom. illeg., non *D. reticulatum* (Alb. & Schwein.) Fr., 1829] [M. & A., 1969: 356]
 = *Diderma effusum* var. *pachytrichon* Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 76(5): 485 (1973)
 = *Diderma effusum* var. *microsporium* Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 90(3): 321 (1987)
Diderma microsporium (Nann.-Bremek. & Y. Yamam.) Y. Yamam., Myxomycete Biota Japan: 279 (1998)
- Diderma evelinae** (Meyl.) Kowalski, Mycologia 67(3): 484 (1975)
 = *Wilczekia evelinae* Meyl., Bull. Soc. Vaud. Sci. Nat. 56: 69 (1925) [Kowalski, Mycologia 67(3): 484 (1975)]
- Diderma fallax** (Rostaf.) Lado, **comb. nov.** [Based on *Chondrioderma fallax* Rostaf., 1874, this name has priority over *C. lyallii* Masee, 1892, see ICBN, art. 11.4. Lister, Monogr. Mycetozoa, ed. 3: 90 (1925) cited *Chondrioderma fallax* Rostaf., as possibly an earlier name for *D. lyallii* (Masee) T. Macbr. Lister say "The type of *Chondrioderma fallax* Rost. from the Tyrol is not in the Strasburg collection but from Rostafinski's description it may have been the present species". It is also cited by Krzemieniewska, Sluzowce Polsk.: 138 (1960), as a synonym of *D. lyallii*, but the combination has not been published before]
 = *Chondrioderma fallax* Rostaf., Sluzowce Monogr.: 171 (1874)
 = *Chondrioderma lyallii* Masee, Monogr. Myxogastr.: 201 (1892) [M. & A., 1969: 361]
Diderma lyallii (Masee) T. Macbr., N. Amer. Slime-Moulds: 99 (1899) [M. & A., 1969: 361]

- Chondrioderma niveum* var. *lyallii* (Masse) Meyl., Bull. Soc. Vaud. Sci. Nat. 44: 290 (1908)
- Diderma niveum* subsp. *lyallii* (Masse) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 105 (1911) [M. & A., 1969: 361]
- Diderma floriforme** (Bull.) Pers., Neues Mag. Bot. 1: 89 (1794) [M. & A., 1969: 357]
- ≡ *Sphaerocarpus floriformis* Bull., Hist. Champ. France: 142 (1791) [M. & A., 1969: 357] [Previously published by the same author in Herb. France, pl. 371 (1788), but the genus is not described, and the art. 42.1 of ICBN (descriptio generico-specifica) is not applicable]
- Stemonitis floriformis* (Bull.) J. F. Gmel., Syst. Nat. 2: 1469 (1792) [M. & A., 1969: 357]
- Lycoperdon floriforme* (Bull.) With., Arr. Brit. Pl., ed. 3. 4: 376 (1796) [M. & A., 1969: 357]
- Didymium floriforme* (Bull.) Schrad., Nov. Gen. Pl.: 21 (1797) [M. & A., 1969: 357]
- Reticularia floriformis* (Bull.) Poir. in Lamarck, Encycl. 6: 182 (1804) [M. & A., 1969: 357]
- Leangium floriforme* (Bull.) Link ex Gray, Nat. Arr. Brit. Pl. 1: 573 (1821) [M. & A., 1969: 357]
- Cionium floriforme* (Bull.) Spreng., Syst. Veg. 4(1): 529 (1827) [M. & A., 1969: 357]
- Chondrioderma floriforme* (Bull.) Rostaf., Sluzowce Monogr.: 184 (1874) [M. & A., 1969: 357]
- = *Diderma spurium* Schumach., Enum. Pl. 2: 197 (1803) [M. & A., 1969: 357]
- = *Leangium lepidotum* Ditmar in Sturm, Deutschl. Fl. Pilze 1(2): 43 (1814) [M. & A., 1969: 357]
- Cionium lepidotum* (Ditmar) Spreng., Syst. Veg. 4(1): 529 (1827) [M. & A., 1969: 357]
- Diderma lepidotum* (Ditmar) Fr., Syst. Mycol. 3: 100 (1829) [M. & A., 1969: 357]
- = *Diderma subfloriforme* Cand. & Nann.-Bremek., Cryptog. Mycol. 1(3): 201 (1980) ["subfloriformis"] [Yamamoto, Myxomycete Biota Japan: 294 (1998)]
- Diderma floriforme* var. *subfloriforme* (Cand. & Nann.-Bremek.) Y. Yamam., Myxomycete Biota Japan: 294 (1998)
- Diderma fragile** Aramb., Bol. Soc. Argent. Bot. 15(2-3): 175 (1973) ["fragilis"]
- Diderma gigantocolumellae** M. L. Farr, Mycologia 63(3): 634 (1971)
- Diderma globosum** Pers., Neues Mag. Bot. 1: 89 (1794) [M. & A., 1969: 358]
- ≡ *Reticularia globosa* (Pers.) Poir. in Lamarck, Encycl. 6: 182 (1804) [M. & A., 1969: 358]
- Didymium globosum* (Pers.) Chevall., Fl. Gén. Env. Paris 1: 334 (1826) [M. & A., 1969: 358]
- Cionium globosum* (Pers.) Spreng., Syst. Veg. 4(1): 529 (1827) [M. & A., 1969: 358]
- Chondrioderma globosum* (Pers.) Rostaf., Sluzowce Monogr.: 180 (1874) [M. & A., 1969: 358]
- = *Didymium candidum* Schrad., Nov. Gen. Pl.: 25 (1797) [M. & A., 1969: 358]
- = *Chondrioderma affine* Rostaf., Sluzowce Monogr. Suppl.: 18 (1876) [M. & A., 1969: 358]
- = *Chondrioderma similans* Rostaf., Sluzowce Monogr. Suppl.: 20 (1876) [M. & A., 1969: 358]
- = *Diderma globosum* var. *roseum* Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 90(3): 321 (1987)
- = *Diderma globosum* var. *europaeum* Buyck, Bull. Jard. Bot. Belg. 58(1-2): 199 (1988)
- Diderma gracile** Aramb., Bol. Soc. Argent. Bot. 15(2-3): 179 (1973) ["gracilis"]
- Diderma hemisphaericum** (Bull.) Hornem., Fl. Dan. 33: 13 (1829) [M. & A., 1969: 359]
- ≡ *Reticularia hemisphaerica* Bull., Herb. France, pl. 446 fig. 1 (1790) [M. & A., 1969: 359]
- Physarum hemisphaericum* (Bull.) Chevall., Fl. Gén. Env. Paris 1: 340 (1826)
- Didymium hemisphaericum* (Bull.) Fr., Syst. Mycol. 3: 115 (1829) [M. & A., 1969: 359]
- Chondrioderma hemisphaericum* (Bull.) Torrend, Brotéria, Sér. Bot. 7: 103 (1908) [M. & A., 1969: 359]
- = *Physarum depressum* Schumach., Enum. Pl. 2: 202 (1803) [M. & A., 1969: 359]
- = *Reticularia contorta* Poir. in Lamarck, Encycl. 6: 182 (1804) [M. & A., 1969: 359]
- = *Didymium michelii* Lib., Pl. Crypt. Arduenna: 180 (1832) [M. & A., 1969: 359]
- Physarum michelii* (Lib.) Corda, Icon. Fung. 5: 57 (1842) [M. & A., 1969: 359]
- Chondrioderma michelii* (Lib.) Rostaf. in Fuckel, Jahrb. Nassauischen Vereins Naturk. 27-28: 74 (1873) [M. & A., 1969: 359]
- Diderma michelii* (Lib.) Morgan, J. Cincinnati Soc. Nat. Hist. 16: 153 (1894) [M. & A., 1969: 359]
- = *Chondrioderma michelii* var. *sessile* Rostaf., Sluzowce Monogr.: 173 (1874)
- = *Chondrioderma michelii* var. *stipitatum* Rostaf., Sluzowce Monogr.: 173 (1874)
- = *Diderma hemisphaericum* var. *verrucosporum* Y. Yamam. in Watanabe & Hagiwara (eds.), Crypt. Himalayas 3: 40 (1995)

- Diderma imperiale** Emoto, Bot. Mag. (Tokyo) 43: 172 (1929) [M. & A., 1969: 360] [Also published by the same author in Myxomycetes of Japan: 224 (1997), but nom. inval., see ICBN, art. 36.1]
- Diderma indicum** K. S. Thind & H. S. Sehgal, Mycologia 56(4): 564 (1964) [M. & A., 1969: 360]
- Diderma lohogadense** S. D. Patil, R. L. Mishra & Ranade in Mishra & Ranade, Maharashtra Vidnyan Mandir Patrika 14(1): 35 (1979) ["lohogadensis"]
- Diderma lucidum** Berk. & Broome, Ann. Mag. Nat. Hist., ser. 3, 7: 380 (1861) [M. & A., 1969: 361]
 = *Chondrioderma lucidum* (Berk. & Broome) Cooke, Contr. Mycol. Brit.: 42 (1877) [M. & A., 1969: 361]
- Diderma maculatum** Buyck, Bull. Jard. Bot. Belg. 54(1-2): 131 (1984)
- Diderma marieae** S. D. Patil, R. L. Mishra & Ranade in Mishra & Ranade, Maharashtra Vidnyan Mandir Patrika 14(1): 36 (1979) ["marie"]
- Diderma microcarpum** Meyl., Bull. Soc. Vaud. Sci. Nat. 55: 240 (1924) [Neubert, Nowotny & Baumann, Myxomyceten 2: 59 (1995); Kowalski, Mycologia 67(3): 486 (1975), considers it as a synonym of *D. niveum* (Rostaf.) T. Macbr.]
- Diderma miniatum** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 92(4): 507 (1989)
- Diderma montanum** (Meyl.) Meyl., Annuaire Conserv. Jard. Bot. Genève 15-16: 311 (1913) [M. & A., 1969: 362]
 = *Chondrioderma montanum* Meyl., Bull. Soc. Bot. Genève 2: 262 (1910) [M. & A., 1969: 362; Kowalski, Mycologia 67(3): 486 (1975)]
 = *Chondrioderma radiatum* var. *album* Torrend, Brotéria, Sér. Bot. 7: 108 (1908) [M. & A., 1969: 362]
Diderma umbilicatum var. *album* (Torrend) Meyl., Annuaire Conserv. Jard. Bot. Genève 15-16: 312 (1913) [M. & A., 1969: 366]
Diderma umbilicatum f. *alba* (Torrend) Meyl., Bull. Soc. Vaud. Sci. Nat. 56: 68 (1925)
Diderma montanum var. *album* (Torrend) G. Lister in Lister, Monogr. Mycetozoa, ed. 3: 84 (1925) [M. & A., 1969: 362]
 = *Diderma umbilicatum* var. *flavogenitum* Meyl., Annuaire Conserv. Jard. Bot. Genève 15-16: 313 (1913) [Kowalski, Mycologia 67(3): 489 (1975)]
 = *Diderma montanum* var. *roseum* Meyl., Bull. Soc. Vaud. Sci. Nat. 52: 450 (1919) [M. & A., 1969: 362; Kowalski, Mycologia 67(3): 488 (1975)]
- Diderma mussooriense** K. S. Thind & Manocha, Mycologia 56(5): 712 (1964) [M. & A., 1969: 363]
- Diderma nigrum** Kowalski, Mycologia 60(3): 601 (1968)
- Diderma niveum** (Rostaf.) T. Macbr., N. Amer. Slime-Moulds: 100 (1899) [M. & A., 1969: 363]
 = *Chondrioderma niveum* Rostaf., Sluzowce Monogr.: 170 (1874) [M. & A., 1969: 363]
 = *Chondrioderma physaroides* Rostaf., Sluzowce Monogr.: 170 (1874) [M. & A., 1969: 363]
 = *Diderma albescens* W. Phillips, Grevillea 5: 114 (1877) [M. & A., 1969: 363]
Chondrioderma albescens (W. Phillips) Massee, Monogr. Myxogastr.: 209 (1892) [M. & A., 1969: 363]
 = *Diderma niveum* f. *pulverulentum* Meyl. in Schinz, Ber. Schweiz Bot. Ges. 13 (1922) [Petrak's list, 1953: 382]
 = *Diderma niveum* f. *endoleucum* Meyl., Bull. Soc. Vaud. Sci. Nat. 55: 240 (1924) ["endoleuca"]
- Diderma ochraceum** Hoffm., Deutschl. Fl. 2: pl. 9 fig. 2b (1795) [M. & A., 1969: 364]
 = *Reticularia ochracea* (Hoffm.) Poir. in Lamarck, Encycl. 6: 182 (1804) [M. & A., 1969: 364]
 = *Chondrioderma ochraceum* J. Schröt., Krypt.-Fl. Schlesien Pilze Schles. 3(1): 124 (1885) [M. & A., 1969: 364]
 = *Diderma ochraceum* var. *izawae* Y. Yamam. & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch. 98(3): 327 (1995) [The number 13.886 of the holotype refers to the collection number of Y. Yamamoto; it is deposited in TNS (Yamamoto, in litt.), see ICBN, art. 37.6]
- Diderma petaloides** Buyck, Bull. Jard. Bot. Belg. 53(1/2): 294 (1983)
- Diderma peyerimhoffii** (Maire & Pinoy) H. Neubert, Nowotny & K. Baumann, Myxomyceten 3: 378 (2000) [This name has priority over *D. nivale* (Meyl.) Nowotny, H. Neubert & K. Baumann, see ICBN, art. 11.4]
 = *Lepidoderma peyerimhoffii* Maire & Pinoy in Maire, Patouillard & Pinoy, Bull. Soc. Hist. Nat. Afrique N. 17: 140 (1926)
 = *Diderma trevelyanii* var. *nivale* Meyl., Bull. Soc. Vaud. Sci. Nat. 50: 189 (1914) [Kowalski, Mycologia 67(3): 488 (1975)]
Diderma nivale (Meyl.) Nowotny, H. Neubert & K. Baumann in Neubert, Nowotny & Baumann, Caroleinea 49: 24 (1991)
- Diderma punense** S. D. Patil, R. L. Mishra & Ranade in Mishra & Ranade, Maharashtra Vidnyan Mandir Patrika 14(1): 38 (1979) ["punensis"]
- Diderma radiatum** (L.) Morgan, J. Cincinnati Soc. Nat. Hist. 16: 151 (1894) [M. & A., 1969: 365]
 = *Lycoperdon radiatum* L., Sp. Pl., ed. 2: 1654 (1763) [M. & A., 1969: 365]

- Chondrioderma radiatum* (L.) Rostaf., Sluzowce Monogr.: 182 (1874) [M. & A., 1969: 365]
- Diderma radiatum* (L.) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 112 (1911) [Comb. superfl., proposed earlier by Morgan, 1894]
- = *Didymium stellare* Schrad., Nov. Gen. Pl.: 21 (1797) [M. & A., 1969: 365]
- Diderma stellare* (Schrad.) Pers., Syn. Meth. Fung.: 164 (1801)
- Leangium stellare* (Schrad.) Link ex Gray, Nat. Arr. Brit. Pl. 1: 572 (1821) [M. & A., 1969: 365]
- Cionium stellare* (Schrad.) Spreng., Syst. Veg. 4(1): 529 (1827) [M. & A., 1969: 365]
- = *Diderma crassipes* Schumach., Enum. Pl. 2: 196 (1803) [M. & A., 1969: 365]
- =? *Didymium geaster* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesammten Naturk. 7: 42 (1816) [M. & A. (1969: 371) and Kowalski, Mycologia 63(3): 513 (1971) doubtfully included this name among the synonyms of *Diderma trevelyanii* (Grev.) Fr. after Fries, Syst. Mycol. 3: 105 (1829). It seems more reasonable to follow Rostafinski, Sluzowce Monogr.: 182 (1874) who is the only one who saw Link's material]
- Lepidoderma geaster* (Link) Morgan, J. Mycol. 9: 3 (1903) [Kowalski, Mycologia 63(3): 513 (1971)]
- = *Diderma carmichaelianum* Berk. in Smith, Engl. Fl. 5(2): 311 (1836) [M. & A., 1969: 365]
- Chondrioderma carmichaelianum* (Berk.) Cooke, Contr. Mycol. Brit.: 42 (1877) [M. & A., 1969: 365]
- = *Diderma concinnum* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 52 (1873) [M. & A., 1969: 365]
- = *Perichaena phaeosperma* P. Karst., Rev. Mycol. 9: 11 (1887) [M. & A., 1969: 365]
- = *Diderma radiatum* var. *rubrum* Rönn, Schriften Naturwiss. Vereins Schleswig-Holstein 15: 59 (1911) [M. & A., 1969: 366]
- Diderma reticulosporum*** Nann.-Bremek., K. G. Mukerji & Pasricha, Proc. Kon. Ned. Akad. Wetensch., C 87(4): 475 (1984)
- Diderma rimosum*** Eliasson & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 86(2): 148 (1983) ["rimosa"] [Buyck, Bull. Jard. Bot. Natl. Belgique 58: 185 (1988), considers it as a synonym of *D. cingulatum* Nann.-Bremek.]
- = *Diderma cingulatum* var. *rimosum* (Eliasson & Nann.-Bremek.) Nann.-Bremek. in Yamamoto & Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch. 98(3): 321 (1995)
- Diderma roanense*** (Rex) T. Macbr., N. Amer. Slime-Moulds: 104 (1899) [M. & A., 1969: 366]
- = *Chondrioderma roanense* Rex, Proc. Acad. Nat. Sci. Philadelphia 45: 368 (1893) [M. & A., 1969: 366]
- Diderma robustum*** Aramb., Bol. Soc. Argent. Bot. 15(2-3): 178 (1973) ["robusta"]
- Diderma rufostriatum*** Nann.-Bremek. & Lado, Proc. Kon. Ned. Akad. Wetensch., C 88(2): 225 (1985)
- Diderma rufum*** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 71(2): 197 (1968)
- Diderma rugosum*** (Rex) T. Macbr., N. Amer. Slime-Moulds: 105 (1899) [M. & A., 1969: 367]
- = *Chondrioderma rugosum* Rex, Proc. Acad. Nat. Sci. Philadelphia 45: 369 (1893) [M. & A., 1969: 367]
- = *Diderma rugosum* var. *asiatica* Skvortsov, Philipp. J. Sci. 46: 88 (1931) [M. & A., 1969: 367]
- Diderma saundersii*** (Massee) Lado, **comb. nov.** [This name has priority over *D. platycarpum* Nann.-Bremek. Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch., C 69(3): 359 (1966) included the type of *Chondrioderma saundersii* Berk. & Broome ex Massee in the var. *berkeleyanum* Nann.-Bremek., see ICBN, art. 52.1 and 52.2]
- = *Chondrioderma saundersii* Berk. & Broome ex Massee, Monogr. Myxogastr.: 209 (1892) [M. & A., 1969: 356]
- Diderma platycarpum* Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 69(3): 359 (1966) [Nom. illeg.]
- Diderma platycarpum* var. *berkeleyanum* Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 69(3): 359 (1966) [Nom. illeg., see ICBN, art. 52.1 and 52.2]
- Diderma sauteri*** (Rostaf.) T. Macbr., N. Amer. Slime-Moulds: 103 (1899) [M. & A., 1969: 367]
- = *Chondrioderma sauteri* Rostaf., Sluzowce Monogr.: 181 (1874) [M. & A., 1969: 367]
- = *Chondrioderma aculeatum* Rex, Proc. Acad. Nat. Sci. Philadelphia 43: 390 (1891) [M. & A., 1969: 367]
- Diderma scabrum*** Eliasson & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 86(2): 151 (1983) ["scabra"]
- Diderma sessile*** (Brandza) Mar. Mey. & Poulain, Bull. Féd. Mycol. Dauphiné-Savoie 154: 57 (1999)
- = *Diderma rugosum* var. *sessile* Brândză, Bull. Soc. Mycol. France 44: 266 (1928)
- Diderma simplex*** (J. Schröt.) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 107 (1911) [M. & A., 1969: 368]
- = *Chondrioderma simplex* J. Schröt., Krypt.-Fl. Schlesien Pilze Schles. 3(1): 123 (1885) [M. & A., 1969: 368]
- = *Diderma simplex* var. *echinulatum* Meyl., Bull. Soc. Vaud. Sci. Nat. 52: 450 (1919) [It is recognized by Lister and Hagelstein for forms with bright yellow sporangia and spiny spores. It is possible that it is sufficiently distinct to be

- regarded as a separate species, as Meylan suggests, M. & A., 1969: 368] [see also Kowalski, Mycologia 67(3): 488 (1975)]
- = *Diderma simplex* var. *applanatum* Y. Yamam., Myxomycete Biota Japan: 284 (1998)
- Diderma spumarioides** (Fr.) Fr., Syst. Mycol. 3: 104 (1829) [M. & A., 1969: 368]
- ≡ *Didymium spumarioides* Fr., Symb. Gasteromyc.: 20 (1818) [non *D. spumarioides* Fr., 1829] [M. & A., 1969: 368]
- Carcerina spumarioides* (Fr.) Fr., Summa Veg. Scand.: 451 (1849) [M. & A., 1969: 368]
- Chondrioderma spumarioides* (Fr.) Rostaf. in Fuckel, Jahrb. Nassauischen Vereins Naturk. 27-28: 74 (1873) [M. & A., 1969: 368]
- Spumaria alba* var. *didymium* Morgan, J. Cincinnati Soc. Nat. Hist. 16(4): 149 (1894) [Based on *Didymium spumarioides* Fr., 1818, non 1829] [M. & A., 1969: 376]
- = *Physarum stromateum* Link, Handbuch 3: 409 (1833) [M. & A., 1969: 368]
- Chondrioderma stromateum* (Link) Rostaf., Sluzowce Monogr. Suppl.: 18 (1876) [M. & A., 1969: 369]
- Diderma stromateum* (Link) Morgan, J. Cincinnati Soc. Nat. Hist. 16: 152 (1894) [M. & A., 1969: 369]
- = *Chondrioderma spumarioides* var. *dermoides* Rostaf., Sluzowce Monogr.: 176 (1874)
- = *Chondrioderma virgineum* Masee, Monogr. Myxogastr.: 207 (1892) [M. & A., 1969: 369]
- =? *Diderma concavum* Emoto, Proc. Imp. Acad. Japan 11: 445-446, fig. 3-6 (1935) [M. & A., 1969: 369]
- Diderma stellulum** M. L. Farr, Int. J. Mycol. Lichenol. 3(2-3): 208 (1988) ["stellula"]
- Diderma subasteroides** M. L. Farr, Mycologia 63(3): 637 (1971)
- Diderma subcaeruleum** Kowalski, Mycologia 60(3): 598 (1968)
- Diderma subdictyospermum** (Rostaf.) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 101 (1911) [M. & A., 1969: 370]
- ≡ *Chondrioderma subdictyospermum* Rostaf., Sluzowce Monogr. Suppl.: 16 (1876) [M. & A., 1969: 370]
- = *Chondrioderma dealbatum* Masee, Monogr. Myxogastr.: 207 (1892) ["dealbata"] [M. & A., 1969: 370]
- Diderma subincarnatum** Kowalski, Mycologia 59(1): 169 (1967) [M. & A., 1969: 370]
- Diderma subviridifuscum** Buyck, Bull. Jard. Bot. Belg. 58(1-2): 210 (1988)
- Diderma testaceum** (Schrad.) Pers., Syn. Meth. Fung.: 167 (1801) [M. & A., 1969: 371]
- ≡ *Didymium testaceum* Schrad., Nov. Gen. Pl.: 25 (1797) [M. & A., 1969: 371]
- Cionium testaceum* (Schrad.) Spreng., Syst. Veg. 4(1): 529 (1827) [M. & A., 1969: 371]
- Chondrioderma testaceum* (Schrad.) Rostaf., Sluzowce Monogr.: 179 (1874) [M. & A., 1969: 371]
- = *Diderma cubense* Berk. & M. A. Curtis in Berkeley, J. Linn. Soc., Bot. 10: 347 (1868) [M. & A., 1969: 371]
- Chondrioderma cubense* (Berk. & M. A. Curtis) Rostaf., Sluzowce Monogr. Suppl.: 19 (1876) [M. & A., 1969: 371]
- = *Diderma sublateritium* Berk. & Broome, J. Linn. Soc., Bot. 14: 82 (1873) [M. & A., 1969: 371]
- Chondrioderma sublateritium* (Berk. & Broome) Rostaf., Sluzowce Monogr. Suppl.: 19 (1876) [M. & A., 1969: 371]
- = *Diderma maria-wilsoniae* Clinton in Peck, Annual Rep. New York State Mus. 26: 74 (1874) [M. & A., 1969: 371] ["mariae-wilsonae"]
- = *Diderma cribrosum* Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 89(2): 226 (1986) [Yamamoto, Myxomycete Biota Japan: 287 (1998)]
- Diderma trevelyanii** (Grev.) Fr., Syst. Mycol. 3: 105 (1829) ["trevelyanii"] [M. & A., 1969: 371]
- ≡ *Leangium trevelyanii* Grev., Scott. Crypt. Fl., pl. 132 (1824) ["trevelyanii"] [M. & A., 1969: 371]
- Cionium trevelyanii* (Grev.) Spreng., Syst. Veg. 4(1): 529 (1827) ["trevelyanii"] [M. & A., 1969: 371]
- Chondrioderma trevelyanii* (Grev.) Rostaf., Sluzowce Monogr.: 182 (1874) ["trevelyanii"] [M. & A., 1969: 371]
- Polyschismium trevelyanii* (Grev.) Corda ex Rostaf., Sluzowce Monogr.: 182 (1874) ["trevelyanii"] [The genus was validly published by Corda, Icon. Fung. 5: 20 (1842), with the type indicated as *Leangium? trevelyanii* Grev., Scott. Crypt. Fl., pl. 132 (1824), but the actual combination was not printed in Corda's work. It seems to have first been printed in the Rostafinski's monograph, M. & A., 1969: 419]
- = *Chondrioderma oerstedii* Rostaf., Sluzowce Monogr.: 184 (1874) ["oerstedtii"] [M. & A., 1969: 371]
- = *Diderma geasterodes* W. Phillips, Grevillea 5: 113 (1877) [M. & A., 1969: 372]
- Chondrioderma geasterodes* (W. Phillips) Masee, Monogr. Myxogastr.: 201 (1892) ["geasteroides"] [M. & A., 1969: 372]
- = *Diderma laciniatum* W. Phillips, Grevillea 5: 113 (1877) [M. & A., 1969: 372]
- = *Didymium subcastaneum* Romell, Fungi Exs. Praesertim Scandinavici No. 100 (1895) [M. & A., 1969: 372]

- Diderma umbilicatum** Pers., Syn. Meth. Fung.: 165 (1801) [Neubert, Nowotny & Baumann, Myxomyceten 2: 83 (1995)]
- ≡ *Reticularia umbilicata* (Pers.) Poir. in Lamarck, Encycl. 6: 183 (1804) [M. & A., 1969: 365]
- Cionium umbilicatum* (Pers.) Spreng., Syst. Veg. 4(1): 529 (1827)
- Diderma radiatum* var. *umbilicatum* (Pers.) G. Lister in Lister, Monogr. Mycetozoa, ed. 3: 96 (1925) [Is based on Meylan's treatment of *D. radiatum* (L.) Morgan and related species in Annuaire Conserv. Jard. Bot. Genève. 15-16: 311-313 (1913), M. & A., 1969: 366]
- = *Diderma umbilicatum* var. *macrosporum* Meyl., Bull. Soc. Vaud. Sci. Nat. 56: 68 (1925) ["macrospora"] [Kowalski, Mycologia 67(3): 489 (1975); Neubert, Nowotny & Baumann, Myxomyceten 2: 284 (1995)]
- DIDYMIUM** Schrad., Nov. Gen. Pl.: 20 (1797) [M. & A., 1969: 376]
- = *Lepidodermopsis* Höhn., Akad. Wiss. Wien. Sitzungsber., Math.-Naturwiss. 118: 438 (1909) [non *Lepidodermopsis* R. Wilczek & Meyl., 1934] [M. & A., 1969: 376]
- = *Squamuloderma* Kowalski, Mycologia 64(6): 1282 (1973) ["1972"] [Farr, Mycologia 74(2): 341 (1982)]
- = *Trabrooksia* H. W. Keller, Mycologia 72(2): 396 (1980) [Martin, Alexopoulos & Farr, Gen. Myxomycetes: 71 (1983)]
- Didymium anellus** Morgan, J. Cincinnati Soc. Nat. Hist. 16: 148 (1894) [M. & A., 1969: 380]
- = *Didymium effusum* var. *tenue* Lister, J. Bot. 35: 214 (1897) [M. & A., 1969: 380]
- Didymium angularisporum** J. Matsumoto in Matsumoto & Deguchi, Mycotaxon 70: 157 (1999)
- Didymium annulisporum** H. W. Keller & Schokn., Mycologia 81(2): 249 (1989)
- Didymium applanatum** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 75(4): 352 (1972)
- Didymium aquatile** Gottsb. & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 74(3): 264 (1971)
- Didymium atrichum** Henney & Alexop. in Henney, Alexopoulos & Scheetz, Mycotaxon 11(1): 161 (1980)
- Didymium bahiense** Gottsb., Nova Hedwigia 15: 365 (1968)
- = *Didymium bahiense* var. *microsporum* Hochg., Gottsb. & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 92(1): 78 (1989)
- Didymium balearicum** Ing, Stapfia 73: 94 (2000)
- Didymium canariense** Ing, Stapfia 73: 95 (2000)
- Didymium chrysosporum** T. N. Lakh. & K. G. Mukerji, Acta Bot. Indica 6 (Suppl.): 16 (1979) ["1978"]
- Didymium circumscissile** K. D. Whitney & L. S. Olive, Mycologia 75(4): 629 (1983) ["circumcissile"]
- Didymium clavodecus** K. D. Whitney, Mycologia 71(6): 1257 (1980) ["1979"]
- Didymium clavus** (Alb. & Schwein.) Rabenh., Deutschl. Krypt.-Fl. 1: 280 (1844) [M. & A., 1969: 381]
- ≡ *Physarum clavus* Alb. & Schwein., Consp. Fung. Lusat.: 96 (1805) [M. & A., 1969: 381]
- Didymium melanopus* var. *clavus* (Alb. & Schwein.) Fr., Syst. Mycol. 3: 114 (1829) [M. & A., 1969: 381]
- Didymium melanopus* var. *clavus* (Alb. & Schwein.) Wallr., Fl. Crypt. Germ. 4: 370 (1833) [Comb. superfl., proposed earlier by Fries, 1829]
- = *Didymium commutabile* Berk. & Broome, J. Linn. Soc., Bot. 14: 83 (1873) [M. & A., 1969: 381]
- = *Didymium neglectum* Massee, Monogr. Myxogastr.: 231 (1892) [Nom. illeg., non *D. neglectum* Berk. & Broome 1873] [M. & A., 1969: 381]
- = *Didymium masseeanum* Sacc. & Syd. in Saccardo, Syll. Fung. 14: 836 (1899) [M. & A., 1969: 381]
- Didymium columella-cavum** Hochg., Gottsb. & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 92(1): 73 (1989)
- Didymium comatum** (Lister) Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 69(3): 361 (1966)
- ≡ *Didymium difforme* var. *comatum* Lister, J. Bot. 39: 8 (1901)
- =? *Leocarpus calcareus* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 3: 25 (1809) [Cited in Lister, Monogr. Mycetozoa, ed. 3: 110 (1925), as a possible synonym, M. & A., 1969: 384]
- Chondrioderma calcareum* (Link) Rostaf. in Fuckel., Jahrb. Nassauischen Vereins Naturk. 27-28: 74 (1873)
- =? *Diderma chalybeum* Weinm., Hymen. Gasteromyc.: 592 (1836) [Cited in Lister, Monogr. Mycetozoa, ed. 3: 110 (1925), as a possible synonym, M. & A., 1969: 384]
- Didymium crassicolle** Ing, Trans. Brit. Mycol. Soc. 78(3): 443 (1982)
- Didymium crustaceum** Fr., Syst. Mycol. 3: 124 (1829) [M. & A., 1969: 382]
- ≡ *Didymium confluens* var. *crustaceum* (Fr.) Rostaf., Sluzowce Monogr.: 165 (1874) [Nom. illeg.]
- =? *Physarum confluens* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 7: 43 (1815) [Nom. illeg., non *Ph. confluens* Pers., 1801, nec

- Ph. confluens* Spreng., 1811] [May represent an earlier name for this species. Is mentioned by Fries, Syst. Mycol. 3: 136 (1829), with the comment "Cfr. *Ph. leucophaeum*." Pending examination of European types, so far as they are still available, the name currently used should be retained, M. & A., 1969: 382]
- Didymium decipiens** Meyl., Bull. Soc. Vaud. Sci. Nat. 58: 319 (1935) [M. & A., 1969: 382; Kowalski, Mycologia 67(3): 489 (1975)]
- Didymium delhianum** T. N. Lakh. & K. G. Mukerji, Acta Bot. Indica 6 (Suppl.): 18 (1979) ["1978"]
- Didymium dictyopodium** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 89(2): 230 (1986)
- Didymium difforme** (Pers.) Gray, Nat. Arr. Brit. Pl. 1: 571 (1821) [M. & A., 1969: 383]
- ≡ *Diderma difforme* Pers., Tent. Disp. Meth. Fung.: 9 (1797) [M. & A., 1969: 383]
- Didymium difforme* (Pers.) Duby, Bot. Gall. ed. 2: 858 (1830) [Comb. superfl., proposed earlier by Gray (1821)]
- Chondrioderma difforme* (Pers.) Rostaf. in Fuckel, Jahrb. Nassauischen Vereins Naturk. 27-28: 74 (1873) [M. & A., 1969: 383]
- = *Licea caesia* Schumach., Enum. Pl. 2: 219 (1803) [M. & A., 1969: 383]
- Physarum caesium* (Schumach.) Fr., Syst. Mycol. 3: 147 (1829) [Non *Ph. caesium* Shuang L. Chen & Yu Li] [M. & A., 1969: 383]
- = *Amphisporium versicolor* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 7: 41 (1813) [M. & A., 1969: 383]
- ≡? *Didymium cyanescens* Fr., Symb. Gasteromyc.: 19 (1818) [Other suggested possible synonym of *D. difforme* (Pers.) Gray, M. & A., 1969: 384]
- Diderma cyanescens* (Fr.) Fr., Syst. Mycol. 3: 109 (1829)
- = *Licea alba* Nees in Kunze & Schmidt, Mykol. Hefte 2: 66 (1823) [M. & A., 1969: 383]
- Physarum album* (Nees) Fr., Syst. Mycol. 3: 147 (1829) [Nom. illeg., non *Ph. album* (Bull.) Chevall., 1826 nec *Ph. album* Fuckel, 1865] [M. & A., 1969: 383]
- = *Lycogala minutum* Grev., Scott. Crypt. Fl., pl. 40 (1823) [Non *L. minutum* Sacc. & Paol., 1877] [M. & A., 1969: 383]
- = *Reticularia pusilla* Fr., Syst. Orb. Veg.: 147 (1825) [M. & A., 1969: 383]
- = *Licea macrospora* Schwein., Trans. Amer. Philos. Soc. 4: 258 (1832) [Nom. illeg., non *L. macrospora* Schumach., 1803] [M. & A., 1969: 383]
- ≡? *Diderma neesii* Corda, Icon. Fung. 2: 23 (1838) [M. & A., 1969: 383] [Cited by Rostafirski, Sluzowce Monogr.: 178 (1874), as a synonym of *Chondrioderma difforme* (Pers.) Rostaf., "p.p." in index. Corda's pl. 12 fig. 88 suggests a *Diderma*, rather than a *Didymium*]
- ≡? *Diderma liceoides* Fr., Summa Veg. Scand.: 450 (1849) [Other suggested possible synonyms of *Didymium difforme* (Pers.) Gray, may be the same as the *Didymium cyanescens* Fr., M. & A., 1969: 384]
- = *Diderma libertianum* Fresen., Beitr. Mykol.: 28 (1850) [M. & A., 1969: 383]
- Didymium libertianum* (Fresen.) de Bary, Mycetozoen: 124 (1864)
- = *Chondrioderma liceoides* Rostaf., Sluzowce Monogr. Suppl.: 17 (1876) [M. & A., 1969: 383]
- = *Chondrioderma micraspis* Speg., Analas Mus. Nac. Hist. Nat. Buenos Aires 6: 200 (1899) [Farr, Fl. Neotrop. 16: 222 (1976)]
- = *Diderma persoonii* T. Macbr., N. Amer. Slime-Moulds: 96 (1899) [M. & A., 1969: 383]
- = *Didymium tubulatum* E. Jahn, Ber. Deutsch. Bot. Ges. 36: 663 (1919) [M. & A., 1969: 383]
- = *Didymium difforme* var. *repandum* G. Lister, J. Bot. 59: 91 (1921) [It may be worthy of recognition as a distinct species in which case Jahn's name (*D. tubulatum*) would take precedence over G. Lister's varietal designation, M. & A., 1969: 384]
- Didymium disciforme** Kowalski & T. N. Lakh., Mycologia 65(2): 474 (1973) ["disciformis"]
- Didymium dubium** Rostaf., Sluzowce Monogr.: 152 (1874) [M. & A., 1969: 384]
- ≡? *Physarum tussilaginis* Berk. & Broome, Ann. Mag. Nat. Hist., ser. 4, 17: 139 (1876) [May belong here, M. & A., 1969: 385]
- Didymium tussilaginis* (Berk. & Broome) Massee, Monogr. Myxogastr.: 244 (1892) [M. & A., 1969: 385]
- = *Didymium wilczekii* Meyl., Bull. Soc. Vaud. Sci. Nat. 44: 290 (1908) [M. & A., 1969: 384; Kowalski, Mycologia 67(3): 489 (1975)]
- Didymium eremophilum** M. Blackw. & Gilb., Mycologia 72(4): 791 (1980)
- Didymium eximium** Peck, Annual Rep. New York State Mus. 31: 41 (1879) [Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch., C 75(4): 352-363 (1972)]
- ≡ *Didymium nigripes* var. *eximium* (Peck) Lister, Monogr. Mycetozoa: 98 (1894)
- Didymium flexuosum** Yamash., J. Sci. Hiroshima Univ., Ser. B, Div. 2, Bot. 3: 31 (1936) [M. & A., 1969: 385]
- = *Didymium parietale* G. W. Martin & T. E. Brooks, Trans. Amer. Microscop. Soc. 57: 320 (1938) [M. & A., 1969: 385]
- Didymium floccoides** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 90(3): 323 (1987)

- Didymium floccosum** G. W. Martin, K. S. Thind & Rehill, *Mycologia* 51(2): 160 (1959) [M. & A., 1969: 386]
- Didymium haretianum** T. N. Lakh. & K. G. Mukerji, *Acta Bot. Indica* 6 (Suppl.): 18 (1979) ["1978"]
- Didymium inconspicuum** Nann.-Bremek. & D. W. Mitch. in Nannenga-Bremekamp, *Proc. Kon. Ned. Akad. Wetensch.*, C 92(4): 508 (1989)
- Didymium intermedium** J. Schröt. in Hennings, *Hedwigia* 35: 209 (1896) [M. & A., 1969: 387]
- = *Didymium excelsum* Lister in Jahn, *Ber. Deutsch. Bot. Ges.* 20: 275 (1902) [M. & A., 1969: 387]
- Didymium iridis** (Ditmar) Fr., *Syst. Mycol.* 3: 120 (1829) [M. & A., 1969: 387]
- = *Cionium iridis* Ditmar in Sturm, *Deutschl. Fl. Pilze* 1(1): 13 (1812) [M. & A., 1969: 387]
- = *Cionium xanthopus* Ditmar in Sturm, *Deutschl. Fl. Pilze* 1(3): 87 (1816) [M. & A., 1969: 387]
- Didymium xanthopus* (Ditmar) Fr., *Syst. Mycol.* 3: 120 (1829) [M. & A., 1969: 387]
- Physarum xanthopus* (Ditmar) Schwein., *Trans. Amer. Philos. Soc.* 4: 257 (1832) [M. & A., 1969: 388]
- Didymium nigripes* var. *xanthopus* (Ditmar) Lister, *Monogr. Mycetozoa*: 98 (1894) [M. & A., 1969: 388]
- = *Didymium proximum* Berk. & M. A. Curtis in Berkeley, *Grevillea* 2: 52 (1873) [M. & A., 1969: 388]
- = *Didymium elegantissimum* Massee, *Monogr. Myxogastr.*: 243 (1892) [M. & A., 1969: 388]
- Didymium karstensii** Nann.-Bremek., *Acta Bot. Neerl.* 13: 247 (1964) [M. & A., 1969: 388]
- Didymium laccatipes** J. Matsumoto in Matsumoto & Deguchi, *Mycotaxon* 70: 154 (1999)
- Didymium laxifilum** G. Lister & J. Ross in G. Lister, *Essex Naturalist* 27(10): 264 (1945) ["laxifila"] ["164"] [M. & A., 1969: 389]
- = *Didymium aurantipes* T. E. Brooks & Kowalski, *Mycologia* 58(1): 169 (1966) [Kowalski, *Madroño* 22(3): 151 (1973)]
- Didymium lenticulare** K. S. Thind & T. N. Lakh., *Mycologia* 60(5): 1083 (1968)
- Didymium leoninum** Berk. & Broome, *J. Linn. Soc., Bot.* 14: 83 (1873) [M. & A., 1969: 389]
- = *Lepidodermopsis leonina* (Berk. & Broome) Höhn., *Akad. Wiss. Wien. Sitzungsber., Math.-Naturwiss.* 118: 439 (1909) ["leoninus"] [M. & A., 1969: 389]
- = *Didymium leoninum* var. *effusum* G. Lister, *J. Bot.* 71: 220 (1933) [M. & A., 1969: 390]
- Didymium leptotrichum** (Racib.) Massee, *Monogr. Myxogastr.*: 243 (1892)
- = *Chondrioderma leptotrichum* Racib., *Rozpr. Spraw. Posiedzen Wydz. Mat.-Przyr. Akad. Umiejetn* 12: 75 (1884)
- Didymium listeri** Massee, *Monogr. Myxogastr.*: 244 (1892) [M. & A., 1969: 390]
- Didymium macrospermum** Rostaf., *Sluzowce Monogr.*: 161 (1874) [Neubert, Nowotny & Baumann, *Myxomyceten* 2: 139 (1995)]
- = *Didymium macrospermum* var. *leiosporum* L. F. Čelak., *Arch. Naturwiss. Landesdurchf. Böhmen* 7(5): 63 (1893) [M. & A., 1969: 234]
- Didymium marineri** G. Moreno, Illana & Heykoop, *Mycotaxon* 34(2): 630 (1989)
- Didymium martinii** (T. N. Lakh.) H. Neubert, Nowotny & K. Baumann, *Myxomyceten* 2: 139 (1995) [See Neubert, Nowotny & Baumann, *Myxomyceten* 3: 379 (2000)]
- = *Lepidodermopsis martinii* T. N. Lakh., *Norweg. J. Bot.* 25(3): 196 (1978)
- Didymium megalosporum** Berk. & M. A. Curtis in Berkeley, *Grevillea* 2: 53 (1873) [M. & A., 1969: 391]
- = *Didymium fulvellum* Massee, *Monogr. Myxogastr.*: 237 (1892) [M. & A., 1969: 391]
- = *Didymium discoideum* K. S. Thind & H. S. Sehgal, *Mycologia* 56(4): 566 (1964) [Nom. illeg., non *D. discoideum* Rostaf., 1874, nec *D. discoideum* Torrend, 1915] [M. & A., 1969: 391]
- Didymium melanospermum** (Pers.) T. Macbr., *N. Amer. Slime-Moulds*: 88 (1899) [M. & A., 1969: 391]
- = *Physarum melanospermum* Pers., *Neues Mag. Bot.* 1: 88 (1794) [non *Ph. melanospermum* Sturgis, 1917] [M. & A., 1969: 391]
- = *Didymium farinaceum* Schrad., *Nov. Gen. Pl.*: 22 (1797) ["26"] [M. & A., 1969: 391]
- Physarum farinaceum* (Schrad.) Pers., *Syn. Meth. Fung.*: 174 (1801) [M. & A., 1969: 391]
- Trichia farinacea* (Schrad.) Poir. in Lamarck, *Encycl.* 8: 53 (1808) [M. & A., 1969: 391]
- Cionium farinaceum* (Schrad.) Gray, *Nat. Arr. Brit. Pl.* 1: 571 (1821) [M. & A., 1969: 392]
- = *Trichia compressa* Trentep. in Roth, *Catal. Bot.* 1: 229 (1797) [M. & A., 1969: 391]
- = *Trichia sphaerocephala* Sowerby, *Col. Fig. Engl. Fung.*: 240 (1799) [Nom. illeg., non *T. sphaerocephala* Hoffm., 1790] [M. & A., 1969: 391]
- = *Physarum farinaceum* var. *globosum* Alb. & Schwein., *Consp. Fung. Lusat.*: 96 (1805)

- = *Physarum capitatum* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 3: 27 (1809) [M. & A., 1969: 392]
- = *Physarum sinuosum* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 3: 27 (1809) [non *Ph. sinuosum* (Bull.) Weinm. in Fries, 1829] [M. & A., 1969: 391]
- Didymium sinuosum* (Link) Durieu & Mont., Expl. Sci. Algérie 1: 411 (1848)
- = *Cionium lobatum* Spreng., Syst. Veg. 4(1): 529 (1827) [M. & A., 1969: 392]
- Didymium lobatum* (Spreng.) Schwein., Trans. Amer. Philos. Soc. 4: 257 (1832) [Nom. illeg., non *D. lobatum* Nees, 1816] [M. & A., 1969: 392]
- = *Didymium lobatum* Nees, Syst. Pilze 112 (1816) [non *D. lobatum* (Spreng.) Schwein., 1827] [Is cited by G. Lister, Monogr. Mycetozoa, ed. 3: 115 (1925), as a definite synonym (M. & A., 1969: 392)]
- = *Didymium farinaceum* var. *confluens* Rostaf., Sluzowce Monogr.: 155 (1874)
- = *Didymium farinaceum* var. *rufipes* Rostaf., Sluzowce Monogr.: 155 (1874)
- = *Didymium farinaceum* f. *elongatum* Rostaf., Sluzowce Monogr.: 155 (1874)
- = *Didymium farinaceum* f. *nigrum* Rostaf., Sluzowce Monogr.: 155 (1874)
- = *Didymium farinaceum* f. *subsessile* Rostaf., Sluzowce Monogr.: 155 (1874)
- = *Didymium fairmanii* Sacc. in Fairman, J. Mycol. 5: 78 (1889) [M. & A., 1969: 392]
- = *Didymium melanospermum* var. *bicolor* G. Lister in Lister, Monogr. Mycetozoa, ed. 3: 115 (1925) [M. & A., 1969: 392]
- = *Didymium melanospermum* f. *erythropus* Buchet, Bull. Soc. Mycol. France 57: 75 (1942)
- Didymium mexicanum** G. Moreno, Lizárraga & Illana in Lado & Hernández (eds.), II. Congr. Int. Sist. Ecol. Myxomycetes: 56 (1996)
- Didymium minus** (Lister) Morgan, J. Cincinnati Soc. Nat. Hist. 16: 145 (1894) [M. & A., 1969: 392]
- ≡ *Didymium farinaceum* var. *minus* Lister, Monogr. Mycetozoa: 97 (1894) [M. & A., 1969: 392]
- = *Didymium melanospermum* var. *minus* (Lister) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 129 (1911)
- = *Didymium melanospermum* var. *minus* (Lister) Dearn. & House, New York State Mus. Bull. 266: 58 (1925) [Comb. superfl., proposed earlier by G. Lister, Monogr. Mycetozoa, ed. 2: 129 (1911)] [Petrak's list, 1969: 56]
- =? *Didymium humile* Hazsl., Oesterr. Bot. 27: 84 (1877) [The Lister monograph cites it as a synonym. If this is correct, the name has priority over the combination *D. minus* (Lister) Morgan, but it is not certain that it belongs here (M. & A., 1969: 393)]
- Didymium muscorum** T. N. Lakh. & K. G. Mukerji, Trans. Mycol. Soc. Japan 17(2): 123 (1976)
- Didymium nigripes** (Link) Fr., Syst. Mycol. 3: 119 (1829) [M. & A., 1969: 393]
- ≡ *Physarum nigripes* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 3: 27 (1809) [M. & A., 1969: 393]
- = *Physarum microcarpon* Fr., Symb. Gasteromyc.: 23 (1818) [M. & A., 1969: 393]
- Didymium microcarpon* (Fr.) Rostaf., Sluzowce Monogr.: 157 (1874) [M. & A., 1969: 393]
- = *Didymium microcephalum* Chevall., Fung. Byss. Illustr. 1: f. 2 (1837) [M. & A., 1969: 393]
- = *Didymium porphyropus* Durieu & Mont. in Durieu, Expl. Sci. Algérie 1: 409 (1848) [M. & A., 1969: 393]
- = *Didymium tenue* Pat. & Gaillard, Bull. Soc. Mycol. France 4: 96 (1888) [M. & A., 1969: 393]
- = *Didymium microcarpon* var. *leucotrichum* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 60 (1893)
- Didymium nigrisporum** Nann.-Bremek., K. G. Mukerji & Pasricha, Proc. Kon. Ned. Akad. Wetensch., C 87(4): 476 (1984)
- Didymium niviculum** Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 40 (1929) [Kowalski, Mycologia 67: 489 (1975)]
- = *Didymium wilczekii* f. *pulverulentum* Meyl., Bull. Soc. Vaud. Sci. Nat. 53: 454 (1921) ["pulverulenta"] [Kowalski, Mycologia 67: 489 (1975)]
- Didymium wilczekii* var. *pulverulentum* (Meyl.) Meyl. in Schinz, Ber. Schweiz Bot. Ges. 30-31: 3 (1922) ["pulverulenta"]
- Didymium nullifilum** (Kowalski) M. L. Farr, Mycologia 74(2): 341 (1982)
- ≡ *Squamuloderma nullifilum* Kowalski, Mycologia 64(6): 1284 (1973) ["1972"] ["nullifila"] [Farr, Mycologia 74(2): 341 (1982)]
- Didymium obducens** P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh 9: 356 (1868)
- ≡ *Didymium crustaceum* var. *obducens* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 31: 115 (1879) [Härkönen, Karstenia 19: 3 (1979)]
- = *Didymium fulvum* Sturgis, Mycologia 9(6): 327 (1917) [Härkönen, Karstenia 19: 3 (1979)]

- Didymium ochroideum** G. Lister, J. Bot. 69: 297 (1931) [M. & A., 1969: 394]
- Didymium orthonemata** H. W. Keller & T. E. Brooks, Mycologia 65(2): 290 (1973)
- Didymium ovoideum** Nann.-Bremek., Acta Bot. Neerl. 7: 780 (1958) [M. & A., 1969: 394]
- Didymium perforatum** Yamash., J. Sci. Hiroshima Univ., Ser. B, Div. 2, Bot. 3: 33 (1936) [M. & A., 1969: 395]
- = *Didymium labyrinthiforme* G. W. Martin, Lodhi & N. A. Khan, Sydowia 14: 283 (1961) [M. & A., 1969: 395]
- Didymium pertusum** Berk. in Smith, Engl. Fl. 5(2): 313 (1836) [Neubert, Nowotny & Baumann, Myxomyceten 2: 127 (1995)]
- Didymium projectile** T. N. Lakh. & K. G. Mukerji, Rev. Mycol. 43(2): 190 (1979)
- Didymium pseudocolumellum** H. Z. Li, Yu Li & Q. Wang, Mycosystema 8-9: 173 (1996)
- Didymium quitense** (Pat.) Torrend, Brotéria, Sér. Bot. 7: 90 (1908) [M. & A., 1969: 395]
- = *Chondrioderma quitense* Pat. in Patouillard & Lagerheim, Bull. Soc. Mycol. France 11: 212 (1895) [M. & A., 1969: 395]
- Didymium rubropus** G. Moreno, A. Castillo & Illana in Lado & Hernández (eds.), II. Congr. Int. Sist. Ecol. Myxomycetes: 57 (1996) ["rubeopus"]
- = *Didymium rubropus* var. *albocapillitium* G. Moreno, A. Castillo, Illana & Lizárraga, Cryptog. Mycol. 18(4): 318 (1997) ["rubeopus"]
- Didymium rugulosporum** Kowalski, Mycologia 61(3): 636 (1969)
- Didymium saturnus** H. W. Keller, Mycologia 62(5): 1061 (1970)
- Didymium serpula** Fr., Syst. Mycol. 3: 126 (1829) [M. & A., 1969: 396]
- = *Lycoperdon complanatum* Batsch, Elench. Fung. Continuatio Prima: 251 (1786) [M. & A., 1969: 396]
- Didymium complanatum* (Batsch) Rostaf., Sluzowce Monogr.: 151 (1874) [Nom. illeg., non *D. complanatum* Schrad., 1797] [M. & A., 1969: 396]
- Didymium simlense** T. N. Lakh. & K. G. Mukerji, Rev. Mycol. 43(2): 188 (1979) ["simlensis"]
- Didymium squamulosum** (Alb. & Schwein.) Fr., Symb. Gasteromyc.: 19 (1818) [M. & A., 1969: 397]
- = *Diderma squamulosum* Alb. & Schwein., Consp. Fung. Lusat.: 88 (1805) [M. & A., 1969: 397]
- Cionium squamulosum* (Alb. & Schwein.) Spreng., Syst. Veg. 4(1): 528 (1827) [M. & A., 1969: 397]
- = *Didymium effusum* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 7: 42 (1815) [M. & A., 1969: 397]
- = *Licea stipitata* DC. in Lamarck & de Candolle, Fl. Franç., ed. 3, 5: 101 (1815) [Non *L. stipitata* Berk. & Ravenel, 1860] [M. & A., 1969: 397]
- = *Tubulina pedicellata* Poir. in Lamarck, Encycl. Suppl. 5: 373 (1817) [M. & A., 1969: 397]
- = *Didymium costatum* Fr., Syst. Mycol. 3: 118 (1829) [M. & A., 1969: 397]
- Didymium squamulosum* var. *costatum* (Fr.) Rostaf., Sluzowce Monogr.: 160 (1874) [M. & A., 1969: 398]
- = *Didymium herbarum* Fr., Syst. Mycol. 3: 120 (1829) [M. & A., 1969: 397]
- = *Physarum liceoides* Duby, Bot. Gall. ed. 2: 861 (1830) [M. & A., 1969: 397]
- = *Didymium praecox* de Bary in Rabenhorst, Fungi Eur. editio nova, ser. secunda No. 367 (1861) [M. & A., 1969: 397]
- = *Didymium radiatum* Berk. & M. A. Curtis in Berkeley, J. Linn. Soc., Bot. 10: 348 (1868) [M. & A., 1969: 397]
- = *Didymium neglectum* Berk. & Broome, J. Linn. Soc., Bot. 14: 83 (1873) [Non *D. neglectum* Massee, 1892] [M. & A., 1969: 397]
- = *Didymium fuckelianum* Rostaf., Jahrb. Nassauischen Vereins Naturk. 27-28: 73 (1873) [M. & A., 1969: 397]
- = *Didymium discoideum* Rostaf., Sluzowce Monogr.: 162 (1874) [Non *D. discoideum* Torrend, 1915, nec *D. discoideum* K. S. Thind & H. S. Sehgal, 1964] [M. & A., 1969: 397]
- = *Chondrioderma cookei* Rostaf., Sluzowce Monogr. Suppl.: 17 (1876) [M. & A., 1969: 397]
- Didymium cookei* (Rostaf.) Raunk., Bot. Tidsskr. 17: 86 (1890) [M. & A., 1969: 397]
- = *Didymium angulatum* Peck, Annual Rep. New York State Mus. 31: 41 (1879) [M. & A., 1969: 397]
- = *Didymium affine* Raunk., Bot. Tidsskr. 17: 88 (1890) [M. & A., 1969: 397]
- = *Didymium bonianum* Pat., J. Bot. (Morot) 5: 316 (1891) [M. & A., 1969: 397]
- = *Didymium effusum* var. *maculatum* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 64 (1893) [M. & A., 1969: 234]
- = *Didymium squamulosum* var. *rufipes* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 62 (1893) [M. & A., 1969: 234]
- = *Didymium squamulosum* var. *claviforme* Sturgis, Colorado Coll. Stud. Sci. Ser. 12: 27 (1907) [was recognized by G. Lister, Monogr. Mycetozoa, ed. 3: 118 (1925), but not by Hagelstein, Mycetozoa N. Amer. 128

- (1944). Both the Lister and Hagelstein monographs emphasize the frequent occurrence of plasmodiocarpous fruitings, M. & A., 1969: 398]
- = *Didymium annulatum* T. Macbr., N. Amer. Slime-Moulds, ed. 2: 125 (1922) [M. & A., 1969: 397]
- Didymium sturgisii** Hagelst., Mycologia 29(4): 397 (1937) [Nom. nov., based on *D. anomalum* Sturgis] [M. & A., 1969: 398]
- ≡ *Didymium anomalum* Sturgis, Colorado Coll. Stud. Sci. Ser. 12: 444 (1913) [Nom. illeg., non *D. anomalum* (Rostaf.) Massee, 1892] [M. & A., 1969: 398]
- = *Trabrooksia applanata* H. W. Keller, Mycologia 72(2): 396 (1980) [Martin, Alexopoulos & Farr, Gen. Myxomycetes: 71 (1983)]
- = *Trabrooksia applanata* var. *microspora* Y. Yamam., Hikobia 11(4): 529 (1994) [Martin, Alexopoulos & Farr, Gen. Myxomycetes: 71 (1983)]
- Didymium subreticulosporum** Oltra, G. Moreno & Illana in Lado & Hernández (eds.), II. Congr. Int. Sist. Ecol. Myxomycetes: 57 (1996)
- Didymium synsporon** T. E. Brooks & H. W. Keller, Mycologia 65(2): 287 (1973)
- Didymium trachysporum** G. Lister, Essex Naturalist 20: 113 (1923) [M. & A., 1969: 399]
- Didymium tubi-crystallinum** Nann.-Bremek. & R. L. Critchf., Proc. Kon. Ned. Akad. Wetensch., C 91(4): 416 (1988)
- Didymium vaccinum** (Durieu & Mont.) Buchet in Buchet, Chermezon & Evrard, Bull. Soc. Mycol. France 36: 110 (1920) [M. & A., 1969: 399]
- ≡ *Diderma vaccinum* Durieu & Mont. in Durieu, Expl. Sci. Algérie 1: 407 (1848) [M. & A., 1969: 399]
- Chondrioderma vaccinum* (Durieu & Mont.) Rostaf., Sluzowce Monogr.: 180 (1874) [M. & A., 1969: 399]
- = *Didymium trochus* Lister, J. Bot. 36: 164 (1898) [M. & A., 1969: 399]
- Didymium verrucosporum** A. L. Welden, Mycologia 46(1): 98 (1954) [M. & A., 1969: 400]
- ECHINOSTELIUM** de Bary in Rostafiński, Vers. Syst. Mycetozen: 7 (1873) [M. & A., 1969: 97]
- =? *Heimerlia* Höhn., Ann. Mycol. 1(5): 391 (1903) [Is listed in modern monographs as synonym of *Echinostelium*. It is unlikely that the taxon is *E. minutum* de Bary, nor does it fit any of the other known species of *Echinostelium*. It may have referred to a *Mucor*] [Martin, Alexopoulos & Farr, Gen. Myxomycetes: 50 (1983)]
- Echinostelium apitectum** K. D. Whitney, Mycologia 72(5): 954 (1980)
- = *Echinostelium vanderpoelii* Nann.-Bremek., D. W. Mitch., T. N. Lakh. & R. K. Chopra, Proc. Kon. Ned. Akad. Wetensch. 94(3): 411 (1991) [Pando, Mycotaxon 64: 347 (1997)]
- Echinostelium arboreum** H. W. Keller & T. E. Brooks, Mycologia 68(6): 1207 (1977) ["1976"]
- Echinostelium bisporum** (L. S. Olive & Stoian.) K. D. Whitney & L. S. Olive in Whitney, Bennett & Olive, Mycologia 74(4): 680 (1982)
- ≡ *Cavostelium bisporum* L. S. Olive & Stoian., Mycologia 58(3): 440 (1966)
- Echinostelium brooksii** K. D. Whitney, Mycologia 72(5): 957 (1980)
- Echinostelium coelocephalum** T. E. Brooks & H. W. Keller in Keller & Brooks, Mycologia 68(6): 1212 (1977) ["1976"]
- Echinostelium colliculosum** K. D. Whitney & H. W. Keller, Mycologia 72(3): 641 (1980)
- Echinostelium corynophorum** K. D. Whitney, Mycologia 72(5): 963 (1980)
- Echinostelium cribrarioides** Alexop., Amer. Midl. Naturalist 66: 391 (1961) [M. & A., 1969: 98]
- Echinostelium elachiston** Alexop., Mycologia 50(1): 52 (1958) [M. & A., 1969: 98]
- Echinostelium fragile** Nann.-Bremek., Acta Bot. Neerl. 10: 65 (1961) [M. & A., 1969: 99]
- Echinostelium ladoi** Pando, Mycotaxon 64: 343 (1997)
- Echinostelium lunatum** L. S. Olive & Stoian., Mycologia 63(5): 1051 (1971)
- Echinostelium minutum** de Bary in Rostafiński, Sluzowce Monogr.: 215 (1874) [M. & A., 1969: 99]
- = *Heimerlia hyalina* Höhn., Ann. Mycol. 1(5): 391 (1903) [M. & A., 1969: 99]
- Echinostelium paucifilum** K. D. Whitney, Mycologia 72(5): 974 (1980)
- ELAEOMYXA** Hagelst., Mycologia 34(5): 593 (1942) [M. & A., 1969: 175]
- Elaeomyxa cerifera** (G. Lister) Hagelst., Mycologia 34(5): 593 (1942) [M. & A., 1969: 175]
- ≡ *Diachea cerifera* G. Lister, J. Bot. 51: 3 (1913) [M. & A., 1969: 175]
- Diacheopsis cerifera* (G. Lister) Meyl., Bull. Soc. Vaud. Sci. Nat. 58: 82 (1933) [M. & A., 1969: 175]
- = *Diachea cerifera* var. *sessilis* Meyl., Bull. Soc. Vaud. Sci. Nat. 58: 82 (1933) [Kowalski, Mycologia 67(3): 463 (1975)]

- = *Lamproderma columbinum* var. *sessile* G. Lister in Lister, Monogr. Mycetoza, ed. 2: 165 (1911) [M. & A., 1969: 175]
- Elaeomyxa miyazakiensis** (Emoto) Hagelst., Mycologia 34(5): 593 (1942) [M. & A., 1969: 176]
- = *Diachea miyazakiensis* Emoto, Proc. Imp. Acad. Japan 11: 444 (1935) [M. & A., 1969: 176]
- ENERTHENEMA** Bowman, Trans. Linn. Soc. London 16: 152 (1830) [M. & A., 1969: 187]
- = *Ancyrophorus* Raunk., Bot. Tidsskr. 17: 92 (1890) [M. & A., 1969: 187]
- Enerthenema berkeleyanum** Rostaf., Sluzowce Monogr. Suppl.: 29 (1876) [M. & A., 1969: 187]
- = *Enerthenema syncarpon* Sturgis, Colorado Coll. Stud. Sci. Ser. 12: 448 (1913) [M. & A., 1969: 187]
- Enerthenema papillatum* var. *syncarpon* (Sturgis) G. Lister in Lister, Monogr. Mycetoza, ed. 3: 150 (1925) [M. & A., 1969: 187]
- Enerthenema intermedium** Nann.-Bremek. & R. L. Critchf., Proc. Kon. Ned. Akad. Wetensch., C 91(4): 415 (1988)
- Enerthenema melanospermum** T. Macbr. & G. W. Martin in Martin, J. Wash. Acad. Sci. 22(4): 91 (1932) [M. & A., 1969: 188]
- Enerthenema papillatum** (Pers.) Rostaf., Sluzowce Monogr. Suppl.: 28 (1876) [M. & A., 1969: 188]
- = *Stemonitis papillata* Pers., Neues Mag. Bot. 1: 90 (1794) [M. & A., 1969: 188]
- Comatricha papillata* (Pers.) J. Schröt., Krypt.-Fl. Schlesien Pilze Schles. 3(1): 118 (1885) [M. & A., 1969: 188]
- = *Trichia notata* Schumach., Enum. Pl. 2: 211 (1803) [M. & A., 1969: 188]
- = *Arcyria atra* Schumach., Enum. Pl. 2: 215 (1803) [M. & A., 1969: 188]
- = *Stemonitis mammosa* Fr., Syst. Mycol. 3: 161 (1829) [M. & A., 1969: 188]
- = *Enerthenema elegans* Bowman, Trans. Linn. Soc. London 16: 152 (1830) [M. & A., 1969: 188]
- = *Ancyrophorus crassipes* Raunk., Bot. Tidsskr. 17: 93 (1890) [M. & A., 1969: 188]
- Enerthenema papillatum* var. *ancyrophorus* (Raunk.) Torrend, Brotéria, Sér. Bot. 7: 72 (1908)
- = *Enerthenema papillatum* var. *polytricha* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 55 (1893) ["papillata"] [M. & A., 1969: 234]
- = *Enerthenema papillatum* var. *sparsa* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 55 (1893) ["papillata"] [M. & A., 1969: 234]
- = *Enerthenema papillatum* var. *carneo-griseum* Meyl., Bull. Soc. Vaud. Sci. Nat. 51: 268 (1917) [Kowalski, Mycologia 67(3): 464 (1975)]
- FAMINTZINIA** Hazsl., Oesterr. Bot. Z. 27: 85 (1877)
- [The genus *Famintzinia* was proposed by Hazslinszky in 1877 to include only one species, *Famintzinia porioides* (Alb. & Schwein.) Hazsl.; the species is based on *Ceratium porioides* Alb. & Schwein., frequently equated with *Ceratiomyxa fruticulosa*, often as var. *porioides* (Alb. & Schwein.) G. Lister. The generic name was validly published according to the art. 42.1 of the ICBN (descriptio generico-specifica). Hazslinszky's generic name antedates *Ceratiomyxa* J. Schröt. by 22 years, so has priority over it]
- = *Ceratium* Alb. & Schwein., Consp. Fung. Lusat.: 358 (1805) [Nom. illeg., non *Ceratium* Schrank, 1793] [M. & A., 1969: 33]
- = *Ceratiomyxa* J. Schröt. in Engler & Prantl, Nat. Pflanzenfam. 1(1): 16 (1899)
- Famintzinia fruticulosa** (O. F. Müll.) Lado, **comb. nov.**
- = *Byssus fruticulosa* O. F. Müll., Fl. Dan. 4(12): 8 (1777)
- Ceratiomyxa fruticulosa* (O. F. Müll.) T. Macbr., N. Amer. Slime-Moulds: 18 (1899) [M. & A., 1969: 33]
- = *Tremella hydnoidea* Jacq., Misc. Austriac. 1: 145 (1778) [Possibly not valid, M. & A., 1969: 33, 35]
- Ceratium hydnoideum* (Jacq.) Alb. & Schwein., Consp. Fung. Lusat.: 358 (1805) ["hydnoides"] [M. & A., 1969: 33]
- Ceratiomyxa hydnoidea* (Jacq.) Kuntze, Revis. Gen. Pl. 3(3): 507 (1898) ["hidnoidea"] [M. & A., 1969: 34]
- Ceratiomyxa mucida* var. *hydnoidea* (Jacq.) Torrend, Brotéria, Sér. Bot. 6(2): 64 (1907) ["hydnoides"]
- = *Clavaria puccinia* Batsch, Elench. Fung.: 139 (1783) [M. & A., 1969: 33]
- = *Clavaria byssoides* Bull., Hist. Champ. France: 209 (1791) [M. & A., 1969: 33]
- Puccinia byssoides* (Bull.) J. F. Gmel., Syst. Nat. 2: 1462 (1792) [M. & A., 1969: 33]
- Corynoides byssoides* (Bull.) Gray, Nat. Arr. Brit. Pl. 1: 654 (1821) [M. & A., 1969: 34]
- = *Isaria mucida* Pers., Neues Mag. Bot. 1: 121 (1794) [M. & A., 1969: 33]
- Ceratium mucidum* (Pers.) J. Schröt., Krypt.-Fl. Schlesien Pilze Schles. 3(1): 101 (1885) [M. & A., 1969: 34]

- Ceratiomyxa mucida* (Pers.) J. Schröt. in Engler & Prantl, Nat. Pflanzenfam. 1(1): 16 (1889) [M. & A., 1969: 34]
- = *Ceratium porioides* Alb. & Schwein., Consp. Fung. Lusat.: 359 (1805) [M. & A., 1969: 34]
- Famintzinia porioides* (Alb. & Schwein.) Hazsl., Oesterr. Bot. Z. 27: 85 (1877) [M. & A., 1969: 34]
- Ceratiomyxa porioides* (Alb. & Schwein.) J. Schröt. in Engler & Prantl, Nat. Pflanzenfam. 1(1): 16 (1889) [M. & A., 1969: 34]
- Ceratiomyxa mucida* var. *porioides* (Alb. & Schwein.) Lister, Monogr. Mycetozoa: 26 (1894)
- Ceratiomyxa fruticulosa* var. *porioides* (Alb. & Schwein.) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 26 (1911)
- = *Ceratium pyxidatum* Alb. & Schwein., Consp. Fung. Lusat.: 359 (1805) [M. & A., 1969: 33]
- = *Ceratium porioides* var. *flavum* Alb. & Schwein., Consp. Fung. Lusat.: 359 (1805)
- Ceratiomyxa fruticulosa* var. *porioides* f. *flava* (Alb. & Schwein.) Y. Yamam., Myxomycete Biota Japan: 43 (1998)
- = *Ceratium aureum* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 7: 39 (1815) [M. & A., 1969: 34]
- Ceratiomyxa fruticulosa* f. *aurea* (Link) Y. Yamam., Myxomycete Biota Japan: 40 (1998)
- = *Ceratium arbuscula* Berk. & Broome, J. Linn. Soc., Bot. 14: 97 (1873) [M. & A., 1969: 34]
- Ceratiomyxa arbuscula* (Berk. & Broome) Pat. in Duss, Énum. Champ. Guadeloupe: 84 (1903) [?First published here]
- Ceratiomyxa mucida* var. *arbuscula* (Berk. & Broome) Torrend, Brotéria, Sér. Bot. 6(2): 64 (1907)
- Ceratiomyxa fruticulosa* var. *arbuscula* (Berk. & Broome) Minakata in Shirai & Hara, List. Jap. Fungi, ed. 3: 65 (1927)
- Ceratiomyxa fruticulosa* var. *arbuscula* (Berk. & Broome) Nann.-Bremek., Nederlandse Myxomyceten: 55 (1975) ["1974"] [comb. superfl., previously proposed by Minakata, 1927]
- = *Ceratium filiforme* Berk. & Broome, J. Linn. Soc., Bot. 14: 97 (1873) [M. & A., 1969: 34]
- = *Ceratium crustosum* Berk. & M. A. Curtis in Berkeley, Grevillea 3: 62 (1874) [M. & A., 1969: 34]
- = *Ceratium fuscum* Cooke, Grevillea 8: 60 (1879) [M. & A., 1969: 34]
- = *Ceratium roseum* Cooke, Grevillea 8: 60 (1879) [M. & A., 1969: 34]
- = *Ceratium sphaeroideum* Kalchbr. & Cooke, Grevillea 9: 22 (1880) [M. & A., 1969: 34]
- = *Ceratiomyxa mucida* var. *flexuosa* Lister, Monogr. Mycetozoa: 26 (1894)
- Ceratiomyxa fruticulosa* var. *flexuosa* (Lister) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 26 (1911)
- = *Ceratiomyxa plumosa* G. F. Atk., Bot. Gaz. (London) 19: 337 (1894) [M. & A., 1969: 34]
- = *Ceratiomyxa caesia* E. Jahn, Ber. Deutsch. Bot. Ges. 36: 660 (1911) [M. & A., 1969: 34]
- Ceratiomyxa fruticulosa* var. *caesia* (E. Jahn) G. Lister in Lister, Monogr. Mycetozoa, ed. 3: 5 (1925) [M. & A., 1969: 34]
- = *Ceratiomyxa fruticulosa* f. *aurantiaca* Jaap, Verh. Bot. Vereins Prov. Branderburg 64: 2 (1922) [Petrak's list, 1953: 334]
- = *Ceratiomyxa freyana* Meyl., Bull. Soc. Vaud. Sci. Nat. 56: 65 (1925) [Kowalski, Mycologia 67(3): 450 (1975)]
- = *Ceratiomyxa fruticulosa* var. *comata* Lavrov, Sist. Zametki Mater. Gerb. Krylova Tomsk. Gosud. Univ. Kujbyseva 4-5: 1 (1929) [Petrak's list, 1953: 597]
- = *Ceratiomyxa fruticulosa* var. *descendens* Emoto, Proc. Imp. Acad. Japan 9: 416 (1933)
- Ceratiomyxa descendens* (Emoto) Emoto, Bot. Mag. (Tokyo) 4: pl. 2 figs. 8-10 (1977)
- = *Ceratiomyxa fruticulosa* var. *rosella* Cejp, Sborn. Nár. Mus. v Praze, Rada B, Prir. Vedy 18B: 62 (1962)
- = *Ceratiomyxa fruticulosa* var. *porioides* f. *rosea* Y. Yamam., Myxomycete Biota Japan: 43 (1998)
- Famintzinia hemisphaerica** (L. S. Olive & Stoian.) Lado, **comb. nov.**
- = *Ceratiomyxa hemisphaerica* L. S. Olive & Stoian., Mycologia 71(3): 551 (1979)
- Famintzinia morchella** (A. L. Welden) Lado, **comb. nov.**
- = *Ceratiomyxa morchella* A. L. Welden, Mycologia 46(1): 94 (1954)
- Famintzinia sphaerosperma** (Boedijn) Lado, **comb. nov.**
- = *Ceratiomyxa sphaerosperma* Boedijn, Misc. Zool. Sumatr. 24: 1 (1927)
- FULIGO** Haller, Hist. Stirp. Helv. 3: 110 (1768) [M. & A., 1969: 263]
- = *Erionema* Penz., Myxomyc. Fl. Buitenzorg: 36 (1898) [non *Erionema* Maire, 1906 (error for *Eriomena*)] [M. & A., 1969: 268, Yamamoto, Myxomycete Biota Japan: 390 (1998)]
- Fuligo* subgen. *Erionema* (Penz.) Y. Yamam., Myxomycete Biota Japan: 390 (1998)
- = *Aethalium* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 3: 24 (1809) [M. & A., 1969: 263]
- = *Lignydium* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 3: 24 (1809)

- = *Aethaliopsis* Zopf, Pilzthiere: 149 (1885) [M. & A., 1969: 263]
- Fuligo aurea** (Penz.) Y. Yamam., Myxomycete Biota Japan: 390 (1998)
- = *Erionema aureum* Penz., Myxomyc. Fl. Buitenzorg: 37 (1898) [M. & A., 1969: 268; Yamamoto, Myxomycete Biota Japan: 390 (1998)]
- Fuligo cinerea** (Schwein.) Morgan, J. Cincinnati Soc. Nat. Hist. 19: 33 (1896) [M. & A., 1969: 263]
- = *Enteridium cinereum* Schwein., Trans. Amer. Philos. Soc. 4: 261 (1832) [M. & A., 1969: 263]
- = *Lachnobolus cinereus* Schwein., Trans. Amer. Philos. Soc. 4: 262 (1832) [M. & A., 1969: 263]
- = *Badhamia coadnata* Rostaf., Sluzowce Monogr.: 146 (1874) [M. & A., 1969: 263]
- = *Physarum ellipsosporum* Rostaf., Sluzowce Monogr. Suppl.: 10 (1876) [M. & A., 1969: 263]
- Fuligo ellipsospora* (Rostaf.) Lister, Monogr. Mycetozoa: 67 (1894) [M. & A., 1969: 263]
- = *Aethaliopsis stercoriformis* Zopf, Pilzthiere: 150 (1885) [M. & A., 1969: 263]
- Fuligo stercoriformis* (Zopf) Racib., Hedwigia 26: 111 (1887) [M. & A., 1969: 263]
- Fuligo intermedia** T. Macbr., N. Amer. Slime-Moulds, ed. 2: 30 (1922) [M. & A., 1969: 264]
- = *Fuligo cinerea* var. *ecorticata* G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 88 (1911) [M. & A., 1969: 264]
- Fuligo laevis** Pers., Syn. Meth. Fung.: 160 (1801) [M. & A., 1969: 266; Nannenga-Bremekamp, Nederlandse Myxomyceten: 246 (1975)]
- = *Fuligo septica* var. *laevis* (Pers.) R. E. Fr., Svensk Bot. Tidskr. 6: 744 (1912) [Were irregularly and probably invalidly published, M. & A., 1969: 266]
- Fuligo leviderma** H. Neubert, Nowotny & K. Baumann, Myxomyceten 2: 211 (1995)
- =? *Fuligo violacea* Pers., Syn. Meth. Fung.: 160 (1801) [Nom. dub., see Neubert, Nowotny & Baumann, Myxomyceten 2: 211 (1995)]
- Aethalium violaceum* (Pers.) Spreng., Syst. Veg. 4(1): 533 (1827) [M. & A., 1969: 266; Neubert, Nowotny & Baumann, Myxomyceten 2: 211 (1995)]
- Fuligo septica* var. *violacea* (Pers.) Lázaro Ibiza, Comp. Fl. Españ.: 381 (1896) [The combination has been frequently attributed to R. E. Fries, Svensk Bot. Tidskr. 6: 744 (1912), see Lado, Ruizia 9: 54 (1991)]
- Fuligo licentii** Buchet, Bull. Soc. Mycol. France 55: 222 (1939) ["licenti"] [Neubert, Nowotny & Baumann, Myxomyceten 2: 213 (1995)]
- Fuligo luteonitens** L. G. Krieglst. & Nowotny in Neubert, Nowotny & Baumann, Myxomyceten 2: 213 (1995)
- Fuligo megalospora** Sturgis, Colorado Coll. Stud. Sci. Ser. 12: 443 (1913) [M. & A., 1969: 265]
- Fuligo muscorum** Alb. & Schwein., Consp. Fung. Lusat.: 86 (1805) [M. & A., 1969: 265]
- = *Reticularia muscorum* (Alb. & Schwein.) Fr., Syst. Mycol. 3: 91 (1829) [M. & A., 1969: 265]
- Aethalium muscorum* (Alb. & Schwein.) Schwein., Trans. Amer. Philos. Soc. 4: 261 (1832) [M. & A., 1969: 265]
- Physarum muscorum* (Alb. & Schwein.) Berl. in Saccardo, Syll. Fung. 7: 346 (1888) [M. & A., 1969: 265]
- = *Lignydium griseo-flavum* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 3: 24 (1809) [M. & A., 1969: 265]
- = *Lignydium muscicola* Fr., Symb. Gasteromyc.: 10 (1817) ["Lignidium"] [M. & A., 1969: 265]
- = *Licea ochracea* Peck, Annual Rep. New York State Mus. 28: 55 (1876) [M. & A., 1969: 265]
- Fuligo ochracea* (Peck) Peck, Annual Rep. New York State Mus. 31: 56 (1879) [M. & A., 1969: 265]
- = *Fuligo simulans* P. Karst., Bidrag Kännedom Finlands Natur Folk 31: 108 (1879) [M. & A., 1969: 265]
- = *Fuligo muscorum* var. *sibirica* Lavrov, Sist. Zametki Mater. Gerb. Krylova Tomsk. Gosud. Univ. Kujbyseva 4-5: 1 (1929)
- Fuligo septica** (L.) F. H. Wigg., Prim. Fl. Holsat.: 112 (1780) [M. & A., 1969: 266]
- = *Mucor septicus* L., Sp. Pl., ed. 2: 1656 (1763) [M. & A., 1969: 266]
- Fuligo septica* (L.) J. F. Gmel., Syst. Nat. 2: 1466 (1792) [Comb. superfl., proposed earlier by F. H. Wiggers, 1780]
- Reticularia septica* (L.) With., Bot. Arr. Brit. Pl., ed. 2: 3: 470 (1792) [M. & A., 1969: 266]
- Aethalium septicum* (L.) Fr., Syst. Mycol. 3: 93 (1829) [M. & A., 1969: 266]
- = *Mucor mucilago* Scop., Fl. Carniol., ed. 2: 2: 492 (1772) [M. & A., 1969: 266]
- = *Mucor ovatus* Schaeff., Fung. Bavar. Palat. Nasc. 4: 132 (1774) [M. & A., 1969: 266]
- Reticularia ovata* (Schaeff.) With., Bot. Arr. Brit. Pl., ed. 2: 3: 471 (1792) [M. & A., 1969: 266]
- Fuligo ovata* (Schaeff.) T. Macbr., N. Amer. Slime-Moulds: 23 (1899) [M. & A., 1969: 267]
- = *Reticularia lutea* Bull., Herb. France, pl. 380 fig. 1 (1788) [M. & A., 1969: 266]

- = *Reticularia hortensis* Bull., Herb. France, pl. 424 fig. 2 (1789) [M. & A., 1969: 266]
- Fuligo hortensis* (Bull.) Duby, Bot. Gall. ed. 2: 863 (1830) [M. & A., 1969: 267]
- = *Fuligo flava* Pers., Neues Mag. Bot. 1: 88 (1794) [M. & A., 1969: 266]
- Aethalium flavum* (Pers.) Link in Neea, Syst. Pilze: 99 (1816) [M. & A., 1969: 266]
- Fuligo septica* var. *flava* (Pers.) Lázaro Ibiza, Comp. Fl. Españ.: 381 (1896) [The combination has been frequently attributed to R. E. Fries, Svensk Bot. Tidskr. 6: 744 (1912), see Lado, Ruizia 9: 53 (1991). Also proposed by Gràcia, Bolets de Catalunya 6: 270 (1987), but comb. superfl.]
- Fuligo septica* f. *flava* (Pers.) Y. Yamam., Myxomycete Biota Japan: 401 (1998)
- = *Fuligo rufa* Pers., Neues Mag. Bot. 1: 88 (1794) [M. & A., 1969: 266]
- Reticularia rufa* (Pers.) Schwein., Trans. Amer. Philos. Soc. 4: 262 (1832) [M. & A., 1969: 267]
- Aethalium rufum* (Pers.) Wallr., Fl. Crypt. Germ. 2: 341 (1833) [M. & A., 1969: 267]
- Fuligo septica* var. *rufa* (Pers.) Lázaro Ibiza, Comp. Fl. Españ.: 381 (1896) [Combination frequently attributed to R. E. Fries, Svensk. Bot. Tidskr. 6: 744 (1912), see Lado, Ruizia 9: 54 (1991)]
- Fuligo septica* f. *rufa* (Pers.) Y. Yamam., Myxomycete Biota Japan: 402 (1998)
- = *Fuligo vaporaria* Pers., Observ. Mycol. 1: 92 (1796) [M. & A., 1969: 266]
- Reticularia vaporaria* (Pers.) Chevall., Fl. Gén. Env. Paris 1: 342 (1826) [M. & A., 1969: 266]
- Aethalium vaporarium* (Pers.) Becker, Fl. Frankfurt 2(1): 345 (1828) [M. & A., 1969: 266]
- Fuligo septica* var. *vaporaria* (Pers.) Lázaro Ibiza, Comp. Fl. Españ.: 381 (1896) [Lado, Ruizia 9: 52 (1991)]
- = *Fuligo candida* Pers., Observ. Mycol. 1: 92 (1796) [M. & A., 1969: 266]
- Aethalium candidum* (Pers.) Schltdl. in Sprengel, Syst. Veg. 4(1): 533 (1827) [M. & A., 1969: 266]
- Fuligo septica* var. *candida* (Pers.) R. E. Fr., Svensk Bot. Tidskr. 6: 744 (1912) [M. & A., 1969: 267]
- Fuligo septica* f. *candida* (Pers.) Meyl., Bull. Soc. Vaud. Sci. Nat. 55: 240 (1924)
- = *Fuligo pallida* Pers., Observ. Mycol. 2: 36 (1799) [M. & A., 1969: 266]
- = *Fuligo carnea* Schumach., Enum. Pl. 2: 194 (1803) [M. & A., 1969: 266]
- Reticularia carnea* (Schumach.) Fr., Syst. Mycol. 3: 91 (1829) [M. & A., 1969: 266]
- = *Fuligo flavescens* Schumach., Enum. Pl. 2: 194 (1803) [M. & A., 1969: 266]
- = *Reticularia cerea* Sowerby, Col. Fig. Engl. Fung. 3: pl. 399 fig. 4 (1803) [M. & A., 1969: 266]
- = *Fuligo cerebrina* Brond., Mém. Soc. Linn. Paris 3: 74 (1824) [M. & A., 1969: 266]
- = *Fuligo varians* Sommerf., Suppl. Fl. Lapp.: 239 (1826) [M. & A., 1969: 266]
- = *Aethalium ferrincola* Schwein., Trans. Amer. Philos. Soc. 4: 261 (1832) [M. & A., 1969: 267]
- = *Licea lindheimeri* Berk., Grevillea 2: 68 (1873) [M. & A., 1969: 267]
- Tubulina lindheimeri* (Berk.) Masee, Monogr. Myxogastr.: 42 (1892) [M. & A., 1969: 267]
- = *Fuligo tetrica* Racib., Hedwigia 24: 169 (1885) [M. & A., 1969: 267]
- = *Fuligo septica* var. *cinnamomea* R. E. Fr., Svensk Bot. Tidskr. 6: 744 (1912) [Were irregularly and probably invalidly published, M. & A., 1969: 266]
- = *Fuligo septica* f. *corticata* Meyl., Bull. Soc. Vaud. Sci. Nat. 55: 240 (1924)
- = *Fuligo septica* var. *rosea* Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 76(5): 485 (1973)
- = *Fuligo candida* f. *persicina* Y. Yamam., Bull. Natl. Sci. Mus., Tokyo, B 26(3): 110 (2000)
- HYPORHAMMA** Corda, Icon. Fung. 6: 13 (1854) [The priority of the name given by Corda over *Hemitrichia* Rostaf., 1873 has been well argued by Martin, Mycologia 40(1): 125-126 (1948). However, the reasons he expounds for considering *Hyporhamma* as a “nom. conf.” are not acceptable according to the present nomenclatural code. The name *Hyporhamma* antedates the name *Hemitrichia* by 19 years and has priority. The author recognises, as did Martin, that this change presents various problems, but until *Hemitrichia* is formally proposed as a name to conserve, and accepted by the IAPT Committee for Fungi, *Hyporhamma* must be considered the legitimate name for the genus]
- = *Hemitrichia* Rostaf., Vers. Syst. Mycetozen: 14 (1873) [M. & A., 1969: 145]
- = *Hemiarcyria* Rostaf., Sluzowce Monogr.: 261 (1875) [M. & A., 1969: 145]
- Hyporhamma abietina** (Wigand) Lado, **comb. nov.**
- ≡ *Trichia abietina* Wigand, Jahrb. Wiss. Bot. 3: 33 (1863)
- Hemitrichia abietina* (Wigand) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 227 (1911)
- Arcyria abietina* (Wigand) Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 88(1): 128 (1985)

- =? *Trichia ovata* Pers., *Observ. Mycol.* 1: 61 (1796)
[*Trichia ovata* could have priority over *T. abietina* Wigand, see Macbride, N. Amer. Slime-Moulds: 202-203 (1899), and Lister, *Monogr. Mycetozaa*, ed. 2: 228 (1911). But in Persoon's herbarium there are apparently mixed species under *T. ovata*. M. & A., 1969: 164, synonymized it with *T. varia* (Pers. ex J. F. Gmel.) Pers.]
- Hemitrichia ovata* (Pers.) T. Macbr., N. Amer. Slime-Moulds: 202 (1899) [M. & A. (1969: 147) attributed it to Macbride in the second edition of their monograph (1922: 261) but it was proposed in the first edition]
- = *Hemiarcyria wigandii* Rostaf., *Sluzowce Monogr.*: 267 (1875) [M. & A., 1969: 147]
- Arcyria wigandii* (Rostaf.) Masee, *Monogr. Myxogastr.*: 163 (1892) [M. & A., 1969: 147]
- = *Trichia nana* Masee, J. Roy. Microscop. Soc. London 1889: 336 (1889) [Nom. illeg., non *T. nana* Zukal, 1885] [M. & A., 1969: 147]
- Hemitrichia ovata* var. *nana* Masee ex Torrend, *Brotéria, Sér. Bot.* 9: 46 (1910)
- = *Hemitrichia wigandii* var. *aurantiaca* Meyl., *Bull. Soc. Vaud. Sci. Nat.* 46: 53 (1910) [Kowalski, *Mycologia*, 67(3): 459 (1975)]
- = *Hemitrichia wigandii* var. *lutea* Meyl., *Bull. Soc. Vaud. Sci. Nat.* 46: 53 (1910) [Kowalski, *Mycologia*, 67(3): 459 (1975)]
- Hyporhamma aurea** (Nann.-Bremek. & H. Neubert) Lado, **comb. nov.**
- = *Hemitrichia aurea* Nann.-Bremek. & H. Neubert in Neubert & Nannenga-Bremekamp, *Z. Mykol.* 42(A): 33 (1976)
- Hyporhamma botrytis** (Georgev.) Lado, **comb. nov.**
- = *Hemitrichia botrytis* Georgev., *Bull. Soc. Sc. Skopje* 6: 130 (1929) [Petrak's list, 1952: 474]
- Hyporhamma calyculata** (Speg.) Lado, **comb. nov.**
- = *Hemiarcyria calyculata* Speg., *Anales Soc. Ci. Argent.* 10: 152 (1880) ["caliculata"]
- Hemitrichia calyculata* (Speg.) M. L. Farr, *Mycologia* 66(5): 887 (1974)
- Hemitrichia clavata* var. *calyculata* (Speg.) Y. Yamam. in Yamamoto, Hagiwara & Sultana, *Crypt. Fl. Pakistan* 2: 28 (1993)
- = *Hemiarcyria stipitata* Masee, J. Roy. Microscop. Soc. London 1889(1): 354 (1889) [M. & A., 1969: 153]
- Arcyria stipitata* (Masee) Masee, *Monogr. Myxogastr.*: 163 (1892) [M. & A., 1969: 153]
- Hemitrichia stipitata* (Masee) T. Macbr., N. Amer. Slime-Moulds: 207 (1899) [M. & A., 1969: 153]
- Hemitrichia clavata* var. *stipitata* (Masee) Torrend, *Brotéria, Sér. Bot.* 7: 50 (1908)
- = *Hemiarcyria plumosa* Morgan, J. Cincinnati Soc. Nat. Hist. 16: 23 (1893) [M. & A., 1969: 153]
- Hyporhamma chrysospora** (Lister) Lado, **comb. nov.**
- = *Hemiarcyria chrysospora* Lister, *Grevillea* 15: 126 (1887)
- Arcyria chrysospora* (Lister) Masee, *Monogr. Myxogastr.*: 164 (1892) [M. & A., 1969: 147]
- Hemitrichia chrysospora* (Lister) Lister, *Monogr. Mycetozaa*: 178 (1894) [M. & A., 1969: 147]
- Hyporhamma clavata** (Pers.) Lado, **comb. nov.**
- = *Trichia clavata* Pers., *Neues Mag. Bot.* 1: 90 (1794) [M. & A., 1969: 148]
- Hemitrichia clavata* (Pers.) Rostaf. in Fuckel, *Jahrb. Nassauischen Vereins Naturk.* 27-28: 75 (1873) [M. & A., 1969: 148]
- Hemiarcyria clavata* (Pers.) Rostaf., *Sluzowce Monogr.*: 264 (1875) [M. & A., 1969: 148]
- Arcyria clavata* (Pers.) Masee, *Monogr. Myxogastr.*: 165 (1892) [M. & A., 1969: 148] [non *A. clavata* L. F. Čelak., 1893]
- = *Hemiarcyria ablata* Morgan, J. Cincinnati Soc. Nat. Hist. 16: 24 (1893) [M. & A., 1969: 148]
- = *Hemiarcyria funalis* Morgan, J. Cincinnati Soc. Nat. Hist. 16: 26 (1893) [M. & A., 1969: 148]
- = *Hemitrichia clavata* var. *altaica* Lavrov, *Sist. Zametki Mater. Gerb. Krylova Tomsk. Gosud. Univ. Kujbyseva* 4-5: 2 (1929) [Petrak's list, 1953: 609]
- Hyporhamma cornuvioides** (Lavrov) Lado, **comb. nov.**
- = *Hemitrichia cornuvioides* Lavrov, *Sist. Zametki Mater. Gerb. Krylova Tomsk. Gosud. Univ. Kujbyseva* 4-5: 2 (1929) [Petrak's list, 1953: 203]
- Hyporhamma imperialis** (G. Lister) Lado, **comb. nov.**
- = *Hemitrichia imperialis* G. Lister, *Trans. Brit. Mycol. Soc.* 14: 226 (1929) [Nannenga-Bremekamp, *Proc. Kon. Ned. Akad. Wetensch.*, C 85(4): 556 (1982), considers it as a synonym of *Arcyria stipitata* (Schwein.) Lister]
- Arcyria stipitata* var. *imperialis* (G. Lister) Y. Yamam., *Myxomycete Biota Japan*: 191 (1998)
- Hyporhamma intorta** (Lister) Lado, **comb. nov.**
- = *Hemiarcyria intorta* Lister, *J. Bot.* 29: 268 (1891) [5 Sept. 1891]
- Hemitrichia intorta* (Lister) Lister, *Monogr. Mycetozaa*: 176 (1894) [M. & A., 1969: 149]
- = *Hemiarcyria longifila* Rex, *Proc. Acad. Nat. Sci. Philadelphia* 43: 396 (1891) [22 Sept. 1891] [M. & A., 1969: 149]
- Hyporhamma leiocarpa** (Cooke) Lado, **comb. nov.**
- = *Hemiarcyria leiocarpa* Cooke, *Ann. Lyceum Nat. Hist. New York* 11: 405 (1877) [Lado & Pando, *Fl. Mycol. Iber.* 2: 223 (1997)]

- Arcyria leiocarpa* (Cooke) Massee, Monogr. Myxogastr.: 167 (1892) ["Arcyrio"]
- Arcyria leiocarpa* (Cooke) G. W. Martin & Alexop., Myxomycetes: 131 (1969) [Comb. superfl., proposed earlier by Massee, 1892]
- Hemitrichia leiocarpa* (Cooke) Lister, Monogr. Mycetozoa: 177 (1894)
- = *Lachnobolus rostafinskii* Racib., Rozpr. Spraw. Posiedzen Wydz. Mat.-Przyr. Akad. Umiejetn 12: 80 (1884) [M. & A., 1969: 131]
- Hyporhamma leiotricha** (Lister) Lado, **comb. nov.**
- = *Hemitrichia intorta* var. *leiotricha* Lister, Monogr. Mycetozoa: 176 (1894)
- Hemitrichia leiotricha* (Lister) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 224 (1911) [M. & A., 1969: 151]
- Hyporhamma mellea** (Nann.-Bremek. & Loer.) Lado, **comb. nov.**
- = *Hemitrichia mellea* Nann.-Bremek. & Loer., Proc. Kon. Ned. Akad. Wetensch., C 84(2): 235 (1981)
- Hyporhamma minor** (G. Lister) Lado, **comb. nov.**
- = *Hemitrichia minor* G. Lister, J. Bot. 49: 62 (1911)
- Perichaena minor* (G. Lister) Hagelst., Mycologia 35(1): 130 (1943) [M. & A., 1969: 114]
- Hyporhamma montana** (Morgan) Lado, **comb. nov.**
- = *Hemiarcyria montana* Morgan, J. Cincinnati Soc. Nat. Hist. 18: 40 (1895)
- Hemitrichia montana* (Morgan) T. Macbr., N. Amer. Slime-Moulds: 208 (1899) [M. & A., 1969: 151]
- Hemitrichia clavata* var. *montana* (Morgan) Meyl., Bull. Soc. Vaud. Sci. Nat. 53: 461 (1921) [M. & A., 1969: 151]
- Hyporhamma paragoga** (M. L. Farr) Lado, **comb. nov.**
- = *Hemitrichia paragoga* M. L. Farr, Bull. Inst. Jamaica, Sci. Ser. 7: 34 (1957)
- Metatrichia paragoga* (M. L. Farr) T. N. Lakh. & K. G. Mukerji, Proc. Indian Natl. Sci. Acad., B 42 (2-3): 126 (1977) [Nom. inval., see ICBN, art. 33.3, basionym reference omitted]
- Hyporhamma pardina** (Minakata) Lado, **comb. nov.**
- = *Hemitrichia minor* var. *pardina* Minakata in G. Lister, Trans. Brit. Mycol. Soc. 5: 82 (1915)
- Perichaena minor* var. *pardina* (Minakata) Hagelst., Mycologia 35(1): 131 (1943)
- Hemitrichia pardina* (Minakata) Ing, Myxomycetes Britain and Ireland: 132 (1999)
- Hyporhamma pseudoleiocarpa** (Illana, G. Moreno, Lizárraga & A. Castillo) Lado, **comb. nov.**
- = *Hemitrichia pseudoleiocarpa* Illana, G. Moreno, Lizárraga & A. Castillo, Oesterr. Z. Pilzk. 8: 64 (1999)
- Hyporhamma rubrobrunnea** (Rammeloo) Lado, **comb. nov.**
- = *Hemitrichia rubrobrunnea* Rammeloo, Bull. Jard. Bot. Belg. 48(3-4): 383 (1978)
- Hyporhamma serpula** (Scop.) Lado, **comb. nov.**
- = *Mucor serpula* Scop., Fl. Carniol., ed. 2, 2: 493 (1772)
- Trichia serpula* (Scop.) Pers., Tent. Disp. Meth. Fung.: 10 (1797) [M. & A., 1969: 152]
- Hemiarcyria serpula* (Scop.) Rostaf., Sluzowce Monogr.: 66 (1874) [M. & A., 1969: 153]
- Arcyria serpula* (Scop.) Massee, Monogr. Myxogastr.: 164 (1892) [Nom. illeg., non *A. serpula* Wigand, 1863] [M. & A., 1969: 153]
- Hemitrichia serpula* (Scop.) Rostaf. ex Lister, Monogr. Mycetozoa: 179 (1894) [M. & A., 1969: 152]
- = *Lycoperdon lumbricale* Batsch, Elench. Fung. Continuatio Prima: 259 (1786) [M. & A., 1969: 152]
- Stemonitis lumbricalis* (Batsch) J. F. Gmel., Syst. Nat. 2: 1470 (1792) [M. & A., 1969: 152]
- = *Trichia spongoides* Vill., Hist. Pl. Dauphiné: 1061 (1789) [M. & A., 1969: 152]
- = *Trichia reticulata* Pers., Tent. Disp. Meth. Fung.: 10 (1797) [M. & A., 1969: 152] [non *T. reticulata* DC., 1805]
- Hyporhamma reticulatum* (Pers.) Corda, Icon. Fung. 6: 13 (1854) [M. & A., 1969: 152]
- = *Trichia venosa* Schumach., Enum. Pl. 2: 207 (1803) [Non *T. venosa* (Schrad.) Poir., 1808] [M. & A., 1969: 152]
- = *Trichia retiformis* Payer, Bot. Crypt.: fig. 574 (1850) [M. & A., 1969: 152]
- = *Hemitrichia serpula* var. *tubiglabra* Y. Yamam. & Nann.-Bremek. in Nannenga-Bremekamp & Yamamoto, Proc. Kon. Ned. Akad. Wetensch. 93(3): 283 (1990)
- = *Hemitrichia serpula* var. *parviverrucospora* Lizárraga, Illana & G. Moreno, Ann. Bot. Fennici 36: 189 (1999)
- Hyporhamma spinifera** (M. L. Farr) Lado, **comb. nov.**
- = *Hemitrichia spinifera* M. L. Farr, Nova Hedwigia 31(1-3): 110 (1979)
- Hyporhamma spinosa** (H. Neubert & Nann.-Bremek.) Lado, **comb. nov.**
- = *Hemitrichia spinosa* H. Neubert & Nann.-Bremek., Z. Mykol. 43(2): 237 (1977)
- Hyporhamma velutina** (Nann.-Bremek. & Y. Yamam.) Lado, **comb. nov.**
- = *Hemitrichia velutina* Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 89(2): 233 (1986)
- Hyporhamma vesiculosa** (Nann.-Bremek. & Frentrop) Lado, **comb. nov.**
- = *Hemitrichia vesiculosa* Nann.-Bremek. & Frentrop, Proc. Kon. Ned. Akad. Wetensch., C 84(4): 439 (1981)

KELLEROMYXA Eliasson in Eliasson, Keller & Schoknecht, Mycol. Res. 95(10): 1205 (1991)

Kelleromyxa fimicola (Dearn. & Bisby) Eliasson in Eliasson, Keller & Schoknecht, Mycol. Res. 95(10): 1206 (1991)

≡ *Licea fimicola* Dearn. & Bisby in Bisby, Buller & Dearness, Fungi Manitoba: 52 (1929)

LACHNOBOLUS Fr., Syst. Orb. Veg.: 148 (1825)

[Non *Lachnobolus* (Fr.) Fr., 1849. The genus *Lachnobolus* was proposed by Fries in 1825, and included only one species, *L. cribrus* Fr. This name, as Macbride, N. Amer. Slime-Moulds, ed. 2: 150-153 (1922) established, is synonym of *Amaurochaete tubulina* (Alb. & Schwein.) T. Macbr. But Fries' name antedates *Amaurochaete* Rostaf. by 48 years, and applying Principle III of the ICBN, *Lachnobolus* has priority over it. Martin, Stud. Nat. Hist. Iowa Univ. 20: 19 (1966), chose to use *Amaurochaete* over *Lachnobolus* (1825) because he felt it had been a source of confusion. He also affirms that there are earlier names than *Lachnobolus* with nomenclatural priority over it. Since none has been found (*Strongylium* Ditmar, 1809, is a synonym of *Reticularia* Bull, 1787-88), *Lachnobolus* (1825) is the oldest name for this genus, and there is no confusion since *Lachnobolus* (1849) has not been used for many years]

= *Amaurochaete* Rostaf., Vers. Syst. Mycetozen: 8 (1873) [M. & A., 1969: 171]

= *Jundzillia* Racib. ex L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 46 (1893)

= *Jundzillia* Racib., Hedwigia 26: 111 (1887) [nom. inval.]

= *Matruchotia* Skup., Bull. Acad. Polon. Sci., Sér. Sci. Biol. 1924: 396 (1924) [Nom. illeg., non *Matruchotia* Boul., 1893] [M. & A., 1969: 171]

= *Matruchotiella* Skup. ex G. Lister in Lister, Monogr. Mycetoza, ed. 3: 165 (1925) [Nom. illeg., non *Matruchotiella* Grigorakis, 1924] [M. & A., 1969: 171]

Lachnobolus atrus (Alb. & Schwein.) Lado, **comb. nov.**

≡ *Lycogala atrum* Alb. & Schwein., Consp. Fung. Lusat.: 83 (1805) [M. & A., 1969: 172]

Strongylium atrum (Alb. & Schwein.) Sw., Kongl. Svenska Vetenskapsakad. Handl. 36: 110 (1815) [M. & A., 1969: 172]

Reticularia atra (Alb. & Schwein.) Fr., Syst. Mycol. 3: 86 (1829) [M. & A., 1969: 172]

Amaurochaete atra (Alb. & Schwein.) Rostaf., Sluzowce Monogr.: 211 (1874) [M. & A., 1969: 172]

≡? *Lycoperdon fuliginosum* Sowerby, Col. Fig. Engl. Fung. pl.: 257 (1800) [M. & A., 1969: 172]

Amaurochaete fuliginosa (Sowerby) T. Macbr., N. Amer. Slime-Moulds: 109 (1899) [M. & A., 1969: 172]

= *Lycogala atrum* var. *pendulum* Alb. & Schwein., Consp. Fung. Lusat.: 84 (1805)

= *Lycogala atrum* var. *pulvinatum* Alb. & Schwein., Consp. Fung. Lusat.: 84 (1805)

= *Strongylium majus* Fr., Symb. Gasteromyc.: 9 (1817) [M. & A., 1969: 172]

= *Reticularia strongylium* Schwein., Schriften Naturf. Ges. Leipzig 1: 35 (1822) [M. & A., 1969: 172]

Lachnobolus comatus (G. Lister & Brândză) Lado, **comb. nov.**

≡ *Amaurochaete comata* G. Lister & Brândză, J. Bot. 64: 225 (1926) [M. & A., 1969: 173]

Lachnobolus trechisporus (T. Macbr. & G. W. Martin) Lado, **comb. nov.**

≡ *Amaurochaete trechispora* T. Macbr. & G. W. Martin in Martin, J. Wash. Acad. Sci. 22(4): 89 (1932) [M. & A., 1969: 174]

Lachnobolus tubulinus (Alb. & Schwein.) Lado, **comb. nov.**

≡ *Stemonitis tubulina* Alb. & Schwein., Consp. Fung. Lusat.: 102 (1805) [M. & A., 1969: 174]

Jundzillia tubulina (Alb. & Schwein.) Racib., Hedwigia 26: 111 (1887) [Nom. inval.]

Jundzillia tubulina (Alb. & Schwein.) Racib. ex L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 46 (1893) [Čelakovský accepted Raciborski's genus and species but spelling the genus "*Jundzillia*". G. Lister, Monogr. Mycetoza (1911, 1925), enters it, as *Jundzilla*, as a synonym of *Stemonitis splendens* var. *flaccida* Lister. As noted under *Amaurochaete ferruginea* T. Macbr. & G. W. Martin, specimens so labelled seem to refer to that species, hence the application of Raciborski's name remains doubtful (M. & A., 1969: 175)]

Amaurochaete tubulina (Alb. & Schwein.) T. Macbr., N. Amer. Slime-Moulds, ed. 2: 150 (1922) [M. & A., 1969: 174]

= *Lachnobolus cribrus* Fr., Syst. Orb. Veg.: 148 (1825) [M. & A., 1969: 174]

Amaurochaete cribrosa (Fr.) T. Macbr. in Sturgis, Mycologia 9(6): 328 (1917) [M. & A., 1969: 174]

= *Matruchotia splendida* Skup., Bull. Acad. Polon. Sci., Sér. Sci. Biol. 1924: 396 (1924) [M. & A., 1969: 174]

Matruchotiella splendida (Skup.) Skup. ex G. Lister in Lister, Monogr. Mycetoza, ed. 3: 165 (1925) [M. & A., 1969: 174]

- LAMPRODERMA** Rostaf., Vers. Syst. Mycetozen: 7 (1873) [M. & A., 1969: 209]
- Lamproderma acanthosporum** Kowalski, Mycologia 60(4): 762 (1968)
- Lamproderma alexopouli** T. N. Lakh. & K. G. Mukerji, Kavaka 6: 9 (1979) ["1978"]
- Lamproderma anglicum** (G. Lister & H. J. Howard) Ing, Trans. Brit. Mycol. Soc. 78(3): 444 (1982)
 = *Lamproderma atrosporum* var. *anglicum* G. Lister & H. J. Howard in G. Lister, J. Bot. 57: 27 (1919) [M. & A., 1969: 213]
- Lamproderma arcyrrioides** (Sommerf.) Rostaf., Sluzowce Monogr.: 206 (1874) [M. & A., 1969: 211]
 = *Stemonitis arcyrrioides* Sommerf., Mag. Naturvidensk 7: 298 (1827) [M. & A., 1969: 211]
Lamproderma violaceum var. *arcyrrioides* (Sommerf.) Torrend, Brotéria, Sér. Bot. 7: 68 (1908) [Nom. illeg., see ICBN, art. 11.4]
 = *Stemonitis violacea* Fr., Syst. Mycol. 3: 162 (1829) [Nom. illeg., non *S. violacea* Roth, 1788, nec *S. violacea* Schumacher, 1803] [M. & A., 1969: 211]
Lamproderma violaceum Fr. ex Rostaf., Sluzowce Monogr.: 204 (1874) ["violacea"] [Kowalski, Mycologia 62(4): 636 (1970), cited Rostaf., Vers. Syst. Mycetozen: 7 (1873)]
- = *Lamproderma nigrescens* Sacc., Michelia 2: 262 (1881) [Nom. illeg., non *L. nigrescens* (Rostaf.) Rostaf., 1874] [M. & A., 1969: 211]
Lamproderma saccardianum Massee, Monogr. Myxogastr.: 101 (1892) [Nom. nov., based on *L. nigrescens* Sacc.] [M. & A., 1969: 211]
- = *Tilmadoche berkeleyi* Massee, Monogr. Myxogastr.: 332 (1892) [M. & A., 1969: 211]
- = *Lamproderma violaceum* f. *calciferum* Meyl., Bull. Soc. Vaud. Sci. Nat. 50: 3 (1914)
- = *Lamproderma arcyrrioides* var. *leucofilum* H. Neubert, Nowotny & K. Baumann, Carolina 47: 39 (1989)
Lamproderma arcyrrioides f. *leucofilum* (H. Neubert, Nowotny & K. Baumann) Y. Yamam., Myxomycete Biota Japan: 548 (1998)
- Lamproderma atrosporum** Meyl., Bull. Soc. Vaud. Sci. Nat. 46: 51 (1910) [M. & A., 1969: 212; Kowalski, Mycologia 67(3): 467 (1975)]
 = *Lamproderma atrosporum* f. *subcylindricum* Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 368 (1932)
 = *Lamproderma atrosporum* var. *echinulatum* Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 368 (1932) [Kowalski, Mycologia 67(3): 467 (1975)]
 = *Lamproderma atrosporum* var. *macrosporum* Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 372 (1932) [Kowalski, Mycologia 67(3): 467 (1975)]
- Lamproderma cacographicum** Bozonnet, Mar. Mey. & Poulain, Bull. Féd. Mycol. Dauphiné-Savoie 37(144): 117 (1997)
- Lamproderma carestiae** (Ces. & De Not.) Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 368 (1932) [M. & A., 1969: 213]
 = *Stemonitis carestiae* Ces. & De Not., Erb. Critt. Ital. Series II No. 888 (1879) [M. & A., 1969: 213]
Lamproderma violaceum var. *carestiae* (Ces. & De Not.) Lister, Monogr. Mycetoza: 130 (1894) [M. & A., 1969: 213]
Lamproderma sauteri var. *carestiae* (Ces. & De Not.) Meyl., Bull. Soc. Vaud. Sci. Nat. 51: 264 (1917) [M. & A., 1969: 213]
 = *Lamproderma pulchellum* Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 369 (1932) [Kowalski, Mycologia 67(3): 471 (1975)] [Neubert, Nowotny & Baumann, Myxomyceten 3: 198 (2000) considers it as a separate species]
- Lamproderma collinsii** T. N. Lakh. & K. G. Mukerji, Kavaka 6: 9 (1979) ["collinii"]
- Lamproderma columbinum** (Pers.) Rostaf. in Fuckel, Jahrb. Nassauischen Vereins Naturk. 27-28: 69 (1873) [Kowalski, Mycologia 62(4): 660 (1970), cited Rostaf., Vers. Syst. Mycetozen: 7 (1873)] [M. & A., 1969: 214]
 = *Physarum columbinum* Pers., Ann. Bot. (Usteri) 15: 5 (1795) [non *Ph. columbinum* T. Macbr., 1893, nec *Ph. columbinum* (Rostaf.) Sturgis, 1916] [M. & A., 1969: 214]
Trichia columbina (Pers.) Poir. in Lamarck, Encycl. 8: 52 (1808) [M. & A., 1969: 214]
 = *Physarum columbinum* var. *globosum* Alb. & Schwein., Consp. Fung. Lusat.: 95 (1805)
 = *Physarum columbinum* var. *obovatum* Alb. & Schwein., Consp. Fung. Lusat.: 95 (1805)
 = *Stemonitis physaroides* Alb. & Schwein., Consp. Fung. Lusat.: 103 (1805) [M. & A., 1969: 214]
Lamproderma physaroides (Alb. & Schwein.) Rostaf., Sluzowce Monogr.: 202 (1874) [M. & A., 1969: 214]
Comatricha physaroides (Alb. & Schwein.) Sacc., Michelia 1: 72 (1877)
 = *Physarum iridescens* Berk., Hooker's J. Bot. Kew Gard. Misc. 3: 20 (1851) [M. & A., 1969: 214]
Lamproderma iridescens (Berk.) Rostaf., Sluzowce Monogr. Suppl.: 25 (1876) [M. & A., 1969: 214]
Lamproderma columbinum var. *iridescens* (Berk.) G. Lister, Trans. Brit. Mycol. Soc. 9: 34 (1923) [M. & A., 1969: 215]
 = *Lamproderma schimperi* Rostaf., Sluzowce Monogr.: 203 (1874) [M. & A., 1969: 214]
 = *Lamproderma physaroides* f. *sessile* Lister, Monogr. Mycetoza: 126 (1894)
 = *Lamproderma cruchetii* Meyl., Bull. Soc. Vaud. Sci. Nat. 52: 96 (1918) [M. & A., 1969: 214; Kowalski, Mycologia 67(3): 468 (1975)]

- Lamproderma columbinum* var. *cruchetii* (Meyl.) Brändžā, Bull. Soc. Mycol. France 44: 272 (1928) [Petrak's list, 1953: 460]
- = *Lamproderma columbinum* var. *brevipes* G. Lister, Trans. Brit. Mycol. Soc. 9: 34 (1923) [M. & A., 1969: 215; Kowalski, Mycologia 62(4): 661 (1970)]
- Lamproderma brevipes* (G. Lister) Meyl., Bull. Soc. Vaud. Sci. Nat. 56: 322 (1927) [M. & A., 1969: 214]
- = *Lamproderma columbinum* var. *subglobosa* Meyl., Bull. Soc. Vaud. Sci. Nat. 55: 242 (1924) [M. & A., 1969: 214; Kowalski, Mycologia 67(3): 473 (1975)]
- Lamproderma subglobosum* (Meyl.) Meyl., Bull. Soc. Vaud. Sci. Nat. 56: 322 (1927) [M. & A., 1969: 214; Kowalski, Mycologia 67(3): 473 (1975)]
- = *Lamproderma columbinum* var. *gracile* G. Lister in Lister, Monogr. Mycetozoa, ed. 3: 155 (1925) [M. & A., 1969: 215]
- = *Lamproderma columbinum* f. *globosa* Meyl., Bull. Soc. Vaud. Sci. Nat. 56: 323 (1927)
- = *Lamproderma nigrisplendidum* Poelt, Erg. Forsch. Unt. Nepal, Himalaya 2: 63 (1965) [Kowalski, Mycologia 62(4): 662 (1970)]
- Lamproderma cribrarioides** (Fr.) R. E. Fr., Svensk Bot. Tidskr. 4: 259 (1911) ["1910"] [M. & A., 1969: 215]
- ≡ *Stemonitis cribrarioides* Fr., Syst. Mycol. 3: 163 (1829) [M. & A., 1969: 215]
- = *Lamproderma cribrarioides* var. *meyerianum* Y. Yamam., Bull. Natl. Sci. Mus., Tokyo, B 26(3): 111 (2000)
- Lamproderma cristatum** Meyl., Bull. Soc. Vaud. Sci. Nat. 53: 457 (1921) [M. & A., 1969: 215; Kowalski, Mycologia 67(3): 468 (1975)]
- Lamproderma cucumer** (Meyl.) Nowotny, H. Neubert in Neubert, Nowotny & Baumann, Myxomyceten 3: 156 (2000)
- ≡ *Lamproderma ovoideum* var. *cucumer* Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 371 (1932) [M. & A., 1969: 219]
- Lamproderma debile** (G. Lister & H. J. Howard) Ing, Trans. Brit. Mycol. Soc. 78(3): 444 (1982)
- ≡ *Lamproderma violaceum* var. *debile* G. Lister & H. J. Howard, J. Bot. 57: 25 (1919)
- Lamproderma atrosporum* var. *debile* (G. Lister & H. J. Howard) G. Lister in Lister, Monogr. Mycetozoa, ed. 3: 160 (1925) [M. & A., 1969: 213]
- Lamproderma disseminatum** Kowalski, Mycologia 62(4): 663 (1970)
- Lamproderma echinosporum** Meyl., Bull. Soc. Vaud. Sci. Nat. 55: 241 (1924) [Kowalski, Mycologia 62(4): 653 (1970)]
- Lamproderma echinulatum** (Berk.) Rostaf., Sluzowce Monogr. Suppl.: 25 (1876) [M. & A., 1969: 216]
- ≡ *Stemonitis echinulata* Berk. in Hooker, Fl. Tasman. 2: 268 (1859) [M. & A., 1969: 216]
- = *Lamproderma listeri* Massee, Monogr. Myxogastr.: 97 (1892) [M. & A., 1969: 216]
- Lamproderma elasticum** Nann.-Bremek. & Bozonnet in Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch., C 92(4): 509 (1989)
- Lamproderma fuscum** Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 372 (1932) [Kowalski, Mycologia 60(4): 764 (1968)]
- Lamproderma granulosum** H. Neubert, Nowotny & Schnittler, Beitr. Kenn. Pilze Mitteleurop. 6: 49 (1990)
- Lamproderma griseum** K. S. Thind & T. N. Lakh., Mycologia 60(5): 1080 (1969) ["1968"]
- Lamproderma guilmae** Meyl., Bull. Soc. Vaud. Sci. Nat. 52: 449 (1919) [M. & A., 1969: 217; Kowalski, Mycologia 67(3): 469 (1975)]
- Lamproderma hieroglyphicum** Flatau, Z. Mykol. 48(2): 257 (1982)
- Lamproderma latifilum** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 86(2): 227 (1983) ["latifila"]
- = *Lamproderma latifilum* var. *pallidofilum* Y. Yamam. & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch. 98(3): 322 (1995) [The number 13.531 of the holotype refers to the collection number of Y. Yamamoto; it is deposited in TNS (Yamamoto, in litt.), see ICBN, art. 37.6]
- Lamproderma latifilum* f. *pallidofilum* (Y. Yamam. & Nann.-Bremek.) Y. Yamam., Myxomycete Biota Japan: 559 (1998)
- Lamproderma laxum** H. Neubert, Z. Mykol. 46(2): 217 (1980) ["laxa"]
- Lamproderma longifilum** H. Neubert, Nowotny & K. Baumann, Carlinea 47: 35 (1989) [Neubert, Nowotny & Baumann, Myxomyceten 3: 54 (2000) considers it as a synonym of *Comatricha anastomosans* Kowalski]
- Lamproderma maculatum** Kowalski, Mycologia 62(4): 654 (1970)
- = *Lamproderma maculatum* var. *macrosporum* Mar. Mey. & Poulain in Bozonnet, Meyer & Poulain, Doc. Mycol. 24(96): 4 (1995)
- Lamproderma mucronatum** H. Neubert, Nowotny & K. Baumann, Carlinea 47: 34 (1989)
- Lamproderma muscorum** (Lév.) Hagelst., Mycologia 27(1): 88 (1935) [M. & A., 1969: 217]
- ≡ *Enerthenema muscorum* Lév. in Triana & Planchon, Ann. Sci. Nat. Bot., Sér. 4, 20: 289 (1863) [M. & A., 1969: 217]
- Lamproderma ovoideum** Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 370 (1932)
- ≡ *Lamproderma carestiae* var. *ovoideum* (Meyl.) Kowalski, Mycologia 67(3): 470 (1975)

- Lamproderma pseudomaculatum** Mar. Mey. & Poulain in Bozonnet, Meyer & Poulain, Doc. Mycol. 24(96): 7 (1995)
- Lamproderma pulveratum** Mar. Mey. & Poulain in Bozonnet, Meyer & Poulain, Soc. Hist. Nat. Pays Montbéliard: 54 (1991)
- Lamproderma puncticulatum** Härk., Karstenia 18(1): 20 (1978)
- Lamproderma reticulosporum** Gilert in Gilert & Neuendorf, Nordic J. Bot. 10(6): 661 (1991)
- Lamproderma retispora** (Dhillon & Nann.-Bremek.) T. N. Lakh. & K. G. Mukerji, Biblioth. Mycol. 78: 406 (1981)
- ≡ *Collaria retispora* Dhillon & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 80(4): 262 (1977)
- Comatricha retispora* (Dhillon & Nann.-Bremek.) H. Neubert, Nowotny & K. Baumann, Myxomyceten 3: 79 (2000)
- Lamproderma sauteri** Rostaf., Sluzowce Monogr.: 205 (1874) [M. & A., 1969: 218]
- ≡ *Lamproderma violaceum* var. *sauteri* (Rostaf.) Lister, Monogr. Mycetozoa: 129 (1894) [M. & A., 1969: 218]
- ≡ *Lamproderma robustum* Ellis & Everh., Bull. Washburn Lab. Nat. Hist. 1: 5 (1884) [M. & A., 1969: 218]
- ≡ *Lamproderma sauteri* var. *piriforme* Meyl., Bull. Soc. Vaud. Sci. Nat. 56: 71 (1925) [Kowalski, Mycologia 67(3): 470 (1975)]
- Lamproderma ovoideum* var. *piriforme* (Meyl.) Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 370 (1932) [M. & A., 1969: 219; Kowalski, Mycologia 67(3): 470 (1975)]
- ≡ *Lamproderma sauteri* var. *robustum* (Ellis & Everh.) P. W. Graff, Mycologia 20(2): 106 (1928) [M. & A., 1969: 218]
- ≡ *Lamproderma ovoideum* f. *globosum* Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 367 (1932) [M. & A., 1969: 219]
- ≡ *Lamproderma sauteri* var. *atro-griseum* Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 366 (1932) [Kowalski, Mycologia 67(3): 471 (1975)]
- ≡ *Lamproderma sauteri* var. *pulchrum* Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 369 (1932) [Kowalski, Mycologia 67(3): 472 (1975)]
- ≡ *Lamproderma sauteri* var. *turbinatum* Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 369 (1932) [Kowalski, Mycologia 67(3): 472 (1975)]
- ≡ *Lamproderma sauteri* var. *fallax* Meyl., Bull. Soc. Vaud. Sci. Nat. 58: 320 (1935) [Kowalski, Mycologia 67(3): 471 (1975)]
- Lamproderma scintillans** (Berk. & Broome) Morgan, J. Cincinnati Soc. Nat. Hist. 16: 131 (1894) [M. & A., 1969: 220]
- ≡ *Stemonitis scintillans* Berk. & Broome, J. Linn. Soc., Bot. 15: 84 (1876) [M. & A., 1969: 220]
- ≡ *Lamproderma arcyrrioides* var. *iridea* Cooke, Contr. Mycol. Brit.: 50 (1877) [M. & A., 1969: 220]
- Lamproderma irideum* (Cooke) Massee, Monogr. Myxogastr.: 95 (1892) [M. & A., 1969: 220]
- Lamproderma spinulosporum** Mar. Mey., Nowotny & Poulain, Bull. Féd. Mycol. Dauphiné-Savoie 33 (132): 34 (1994)
- Lamproderma splendens** Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 44 (1929) [Kowalski, Mycologia 67(3): 473 (1975), considers it as a synonym of *L. arcyrrioides* (Sommerf.) Rostaf.]
- ≡ *Lamproderma sauteri* var. *brunnescens* Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 325 (1927) [Kowalski, Mycologia 67(3): 472 (1975)]
- ≡ *Lamproderma splendens* f. *gracile* Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 367 (1932)
- ≡ *Lamproderma splendens* var. *leucotrichum* Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 367 (1932) [Kowalski, Mycologia 67(3): 473 (1975), considers it as a synonym of *L. arcyrrioides* (Sommerf.) Rostaf.]
- Lamproderma splendens* f. *leucotrichum* (Meyl.) Y. Yamam., Myxomycete Biota Japan: 567 (1998)
- ≡ *Lamproderma album* H. Neubert, Nowotny & K. Baumann, Carlinea 47: 38 (1989) [Neubert, Nowotny & Baumann, Myxomyceten 3: 228 (2000)]
- Lamproderma thindianum** T. N. Lakh. & K. G. Mukerji, Kavaka 6: 12 (1979) ["1978"]
- Lamproderma tuberculosporum** M. L. Farr, Mycopath. Mycol. Appl. 31: 311 (1967) [M. & A., 1969: 220]
- Lamproderma verrucosum** G. W. Martin, K. S. Thind & Sohi, Mycologia 49(1): 130 (1957) [M. & A., 1969: 221]
- LEOCARPUS** Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesammten Naturk. 3: 25 (1809) [M. & A., 1969: 245]
- ≡ *Tripotrichia* Corda, Icon. Fung. 1: 22 (1837) [M. & A., 1969: 245]
- Leocarpus fragilis** (Dicks.) Rostaf., Sluzowce Monogr.: 132 (1874) [M. & A., 1969: 245]
- ≡ *Lycoperdon fragile* Dicks., Fasc. Pl. Crypt. Brit. 1: 25 (1785) [M. & A., 1969: 245]
- Reticularia fragilis* (Dicks.) Poir. in Lamarck, Encycl. 6: 183 (1804) [M. & A., 1969: 245]

- = *Lycoperdon parasiticum* With., Bot. Arr. Brit. Pl., ed. 2. 3: 464 (1792) [M. & A., 1969: 245]
Lycogala parasiticum (With.) With., Syst. Arr. Brit. Pl., ed. 4, 4: 372 (1801) [M. & A., 1969: 245]
Diderma vernicosum var. *parasiticum* (With.) Pers., Syn. Meth. Fung.: 165 (1801) [Nom. illeg.]
Leocarpus parasiticus (With.) Gray, Nat. Arr. Brit. Pl. 1: 574 (1821) [M. & A., 1969: 245]
= *Diderma vernicosum* Pers., Ann. Bot. (Usteri) 15: 34 (1795) [M. & A., 1969: 245]
Physarum vernicosum (Pers.) Schumach., Enum. Pl. 2: 206 (1803) [M. & A., 1969: 245]
Leocarpus vernicosus (Pers.) Link ex Nees, Syst. Pilze 115 (1816) [M. & A., 1969: 245]
Leangium vernicosum (Pers.) Fr., Stirp. Agri Femsion.: 83 (1826) [M. & A., 1969: 245]
= *Trichia lutea* Trentep. in Roth, Catal. Bot. 1: 230 (1797) [non *T. lutea* (Bull.) DC., 1805] [M. & A., 1969: 245]
= *Physarum nitidum* Schumach., Enum. Pl. 2: 205 (1803) [M. & A., 1969: 245]
= *Spumaria ramosa* Schumach., Enum. Pl. 2: 195 (1803) [M. & A., 1969: 245]
Diderma ramosum (Schumach.) Fr., Syst. Mycol. 3: 105 (1829) [Non illeg., non *D. ramosum* (J.F. Gmel.) Pers., 1801] [M. & A., 1969: 245]
Leocarpus ramosus (Schumach.) Fr., Summa Veg. Scand.: 450 (1849) [M. & A., 1969: 245]
= *Diderma vernicosum* var. *ovatum* Alb. & Schwein., Consp. Fung. Lusat.: 89 (1805)
= *Leocarpus spermoides* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesammten Naturk. 3: 25 (1809) [M. & A., 1969: 245]
= *Leocarpus atrovirens* Fr., Symb. Gasteromyc.: 13 (1817) [M. & A., 1969: 245]
Leangium atrovirens (Fr.) Fr., Stirp. Agri Femsion.: 83 (1826) [M. & A., 1969: 245]
Diderma atrovirens (Fr.) Fr., Syst. Mycol. 3: 103 (1829) [M. & A., 1969: 245]
= *Tripotrichia elegans* Corda, Icon. Fung. 1: 22 (1837) [M. & A., 1969: 245]
= *Leocarpus vernicosus* f. *lignicola* Meyl., Bull. Soc. Vaud. Sci. Nat. 44: 289 (1908)
= *Liceopsis jurensis* Meyl., Bull. Soc. Vaud. Sci. Nat. 53: 459 (1921) [Kowalski, Mycologia 67(3): 452 (1975)]
= *Leocarpus fragilis* f. *plasmodiocarpia* Meyl., Bull. Soc. Vaud. Sci. Nat. 53: 453 (1921)
= *Leocarpus bisporus* Nann.-Bremek. & D. W. Mitch. in Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch., C 92(4): 512 (1989) [Mitchell (in litt.) considers that this species is in fact a variety of *Leocarpus fragilis* and he proposes the following combination: *Leocarpus fragilis* var. *bisporus* (Nann.-Bremek. & D. W. Mitch.) D. W. Mitch., **comb. et stat. nov.**]
- LEPIDODERMA** de Bary in Rostafiński, Vers. Syst. Mycetozen: 13 (1873) [M. & A., 1969: 403]
= ? *Lepidodermopsis* R. Wilczek & Meyl., Bull. Soc. Vaud. Sci. Nat. 58: 179 (1934) [Nom. illeg., non *Lepidodermopsis* Höhn., 1909] [M. & A., 1969: 403; Kowalski, Mycologia 63(3): 492 (1971)]
Lepidoderma aggregatum Kowalski, Mycologia 63(3): 511 (1971)
Lepidoderma carestianum (Rabenh.) Rostaf., Sluzowce Monogr.: 188 (1874) [M. & A., 1969: 404]
= *Reticularia carestiana* Rabenh., Fungi Eur. editio nova, ser. secunda No. 436 (1862) [M. & A., 1969: 404]
= *Lepidoderma chailletii* Rostaf., Sluzowce Monogr.: 189 (1874) [Kowalski, Mycologia 63(3): 507 (1971)]
Lepidoderma carestianum var. *chailletii* (Rostaf.) G. Lister in Lister, Monogr. Mycetoza, ed. 2: 140 (1911) [M. & A., 1969: 404]
= *Lepidoderma carestianum* var. *flavescens* Meyl., Bull. Soc. Vaud. Sci. Nat. 44: 292 (1908) [M. & A., 1969: 404; Kowalski, Mycologia 63(3): 507 (1971); 67(3): 492 (1975)]
= *Lepidoderma carestianum* f. *roseum* Meyl., Bull. Soc. Vaud. Sci. Nat. 46: 50 (1910) [Kowalski, Mycologia 63(3): 507 (1971)]
= *Lepidoderma carestianum* f. *brunnescens* Meyl., Bull. Soc. Vaud. Sci. Nat. 55: 241 (1924) [Kowalski, Mycologia 63(3): 507 (1971)]
= *Lepidoderma carestianum* f. *pulverulenta* Meyl., Bull. Soc. Vaud. Sci. Nat. 56: 321 (1927) [Kowalski, Mycologia 63(3): 507 (1971)]
Lepidoderma crassipes Flatau, Massner & Schirmer, Z. Mykol. 53(1): 146 (1987)
Lepidoderma crustaceum Kowalski, Mycologia 59(1): 167 (1967) [M. & A., 1969: 405]
Lepidoderma didermoides Kowalski, Mycologia 63(3): 503 (1971)
Lepidoderma granuliferum (W. Phillips) R. E. Fr., Ark. Bot. 6(7): 3 (1906) [M. & A., 1969: 406]
= *Didymium granuliferum* W. Phillips, Grevillea 5: 114 (1877) [M. & A., 1969: 406]
Badhamia granulifera (W. Phillips) Massee, Monogr. Myxogastr.: 321 (1892) [M. & A., 1969: 406]
Lepidoderma carestianum var. *granuliferum* (W. Phillips) G. Lister in Schinz, Mitt. Naturwiss. Ges. Winterthur 6: 63 (1906) [M. & A., 1969: 406]

- = *Amaurochaete minor* Sacc. & Ellis, *Michelia* 2: 566 (1882) [M. & A., 1969: 406]
- Lepidoderma stipitatum** Flatau, Beitr. Kenn. Pilze Mitteleurop. 1: 193 (1984)
- Lepidoderma tigrinum** (Schr.) Rostaf. in Fuckel, Jahrb. Nassauischen Vereins Naturk. 27-28: 73 (1873) [M. & A., 1969: 406]
- = *Didymium tigrinum* Schrad., Nov. Gen. Pl.: 22 (1797) [M. & A., 1969: 406]
- Physarum tigrinum* (Schr.) Pers., Syn. Meth. Fung.: 174 (1801) [M. & A., 1969: 406]
- Trichia tigrina* (Schr.) Poir. in Lamarck, Encycl. 8: 53 (1808) [M. & A., 1969: 406]
- = *Physarum squamulosum* Pers., Syn. Meth. Fung.: 174 (1801) [M. & A., 1969: 406]
- Trichia squamulosa* (Pers.) Poir. in Lamarck, Encycl. 8: 53 (1808) [M. & A., 1969: 406]
- Leangium squamulosum* (Pers.) Fr., Stirp. Agri Fension.: 83 (1826) [M. & A., 1969: 406]
- = *Didymium rufipes* Fr., Syst. Mycol. 3: 116 (1829) [M. & A., 1969: 406]
- = *Didymium versipelle* Fr., Syst. Mycol. 3: 117 (1829) [Kowalski, Mycologia 63(3): 495 (1971)]
- =? *Diderma citrinum* Berk. in Smith, Engl. Fl. 5(2): 310 (1836) [Nom. illeg., non *D. citrinum* (Schumacher) Fr., 1829] [Cited by Berlese in Saccardo, Syll. Fung. 7: 306 (1888), as a definite synonym of *Lepidoderma tigrinum* (Schr.) Rostaf., as did G. Lister, Monogr. Mycetozoa, ed. 3: 125 (1925), adding "(non Schum.)", M. & A., 1969: 407]
- = *Lepidoderma fulvum* Massee, Monogr. Myxogastr.: 253 (1892) [M. & A., 1969: 406]
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- LEPTODERMA** G. Lister, J. Bot. 51: 1 (1913) [M. & A., 1969: 184]
- Leptoderma iridescens** G. Lister, J. Bot. 51: 1 (1913) [M. & A., 1969: 185]
- Leptoderma megaspora** Aramb. & Spinedi, Contr. Inst. Antart. Argent. 365: 7 (1989)
- LICEA** Schrad., Nov. Gen. Pl.: 16 (1797) [M. & A., 1969: 39]
- = *Cyllichnium* Wallr., Fl. Crypt. Germ. 2: 267 (1833) [M. & A., 1969: 39]
- = *Protoderma* Rostaf., Sluzowce Monogr.: 90 (1874) [Nom. illeg., non *Protoderma* Kütz., 1854] [M. & A., 1969: 39]
- Protodermium* Rostaf. ex Berl. in Saccardo, Syll. Fung. 7: 328 (1888) [Nom. nov., based on *Protoderma* Rostaf.] [M. & A., 1969: 39]
- Protodermodium* Kuntze, Revis. Gen. Pl. 2: 867 (1891) [Nom. nov., based on *Protoderma* Rostaf.] [M. & A., 1969: 39]
- = *Orcadella* Wingate, Proc. Acad. Nat. Sci. Philadelphia 41: 280 (1889) [M. & A., 1969: 39]
- Licea* subgen. *Orcadella* (Wingate) Nann.-Bremek., Acta Bot. Neerl. 14: 132 (1965)
- = *Hymenobolus* Zukal, Oesterr. Bot. 43: 73 (1893) [Nom. illeg., non *Hymenobolus* Durieu & Mont., 1845] [M. & A., 1969: 39]
- Hymenobolina* Zukal, Oesterr. Bot. 43: 133 (1893) [Nom. subst., based on *Hymenobolus* Zukal] [M. & A., 1969: 39]
- = *Kleistobolus* C. Lippert, Verh. Zool.-Bot. Ges. Wien 44: Abh. 70 (1894) [M. & A., 1969: 39]
- = *Licea* subgen. *Pleiomorpha* Nann.-Bremek., Acta Bot. Neerl. 14: 132 (1965) ["Pleismorpha"]
- Licea albonigra** Chassain, Bull. Soc. Sci. Nat. Ouest France 4(4): 209 (1982)
- Licea alexopouli** M. Blackw., Proc. Iowa Acad. Sci. 81(1): 6 (1974)
- Licea atricapilla** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 86(2): 208 (1983)
- Licea belmontiana** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 69(3): 337 (1966) [M. & A., 1969: 41]
- Licea biforis** Morgan, J. Cincinnati Soc. Nat. Hist. 15: 131 (1893) [M. & A., 1969: 41]
- = *Licea sinuosa* Nann.-Bremek., Acta Bot. Neerl. 14: 143 (1965) [M. & A., 1969: 41]
- Licea biforis* var. *sinuosa* (Nann.-Bremek.) Y. Yamam., Hikobia 11(4): 528 (1994)
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- Licea bulbosa** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 90(3): 324 (1987)
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- = *Licea capitatoidea* var. *fuiokana* Y. Yamam., Bull. Natl. Sci. Mus., Tokyo, B 26(3): 112 (2000)
- Licea castanea** G. Lister, J. Bot. 49: 61 (1911) [M. & A., 1969: 42]

- Licea castaneoides** Y. Yamam. & Nann.-Bremek. in Nannenga-Bremekamp & Yamamoto, Proc. Kon. Ned. Akad. Wetensch. 93(3): 269 (1990)
- Licea chelonoides** Nann.-Bremek., Acta Bot. Neerl. 14: 136 (1965) [M. & A., 1969: 43]
- Licea clarkii** Ing, Trans. Brit. Mycol. Soc. 78(3): 439 (1982)
- Licea confundens** T. N. Lakh., Nann.-Bremek. & R. K. Chopra, Proc. Kon. Ned. Akad. Wetensch. 93(3): 253 (1990)
- Licea crateriformis** Ing, Myxomycetes Britain and Ireland: 46 (1999)
- Licea craterioides** Y. Yamam., J. Jap. Bot. 66(1): 12 (1991)
- Licea cristallifera** Flatau, Stapfia 73: 65 (2000)
- Licea denudescens** H. W. Keller & T. E. Brooks, Mycologia 69(4): 668 (1977)
- Licea deplanata** Kowalski, Madroño 21(7): 455 (1972) [Nom. nov., based on *L. applanata* Kowalski, 1970, non *L. applanata* Berk., 1845]
- ≡ *Licea applanata* Kowalski, Mycologia 62(5): 1058 (1970) [Nom. illeg., non *L. applanata* Berk., 1845]
- Licea eleanorae** Ing, Myxomycetes Britain and Ireland: 50 (1999)
- Licea erddigensis** Ing, Myxomycetes Britain and Ireland: 48 (1999)
- Licea erecta** K. S. Thind & Dhillon, Mycologia 59(3): 463 (1967) [M. & A., 1969: 43]
- ≡ *Licea erectoides* Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 86(2): 209 (1983)
- Licea erecta* var. *erectoides* (Nann.-Bremek. & Y. Yamam.) Y. Yamam., Myxomycete Biota Japan: 130 (1998)
- Licea floriformis** T. N. Lakh. & R. K. Chopra in Lakhapal, Nannenga-Bremekamp & Chopra, Proc. Kon. Ned. Akad. Wetensch. 93(3): 255 (1990)
- ≡ *Licea floriformis* var. *aureospora* M. T. M. Willemse & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch. 97(1): 137 (1994)
- Licea gloeoderma** Döbbele & Nann.-Bremek, Z. Mykol. 45(2): 235 (1979)
- Licea hepatica** Kowalski, Mycologia 64(2): 359 (1972)
- Licea hydrargyra** Nann.-Bremek., T. N. Lakh. & R. K. Chopra in Lakhapal, Nannenga-Bremekamp & Chopra, Proc. Kon. Ned. Akad. Wetensch. 93(3): 257 (1990)
- Licea inconspicua** T. E. Brooks & H. W. Keller in Keller & Brooks, Mycologia 69(4): 671 (1977)
- Licea iridis** Ing & McHugh, Proc. Roy. Irish Acad. 88B: 102 (1988)
- Licea kayokoae** Y. Yamam., Stapfia 73: 76 (2000)
- Licea kelleri** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 86(2): 211 (1983)
- Licea kleistobolus** G. W. Martin, Mycologia 34(6): 702 (1942) [Nom. nov., based on *Kleistobolus pusillus* C. Lippert, 1894, non *Licea pusilla* Schrad., 1797] [M. & A., 1969: 44]
- ≡ *Kleistobolus pusillus* C. Lippert, Verh. Zool.-Bot. Ges. Wien 44: Abh. 70 (1894) [non *Licea pusilla* Schrad., 1797] [M. & A., 1969: 44]
- Orcadella pusilla* (C. Lippert) Hagelst., Mycologia 34(3): 258 (1942) [M. & A., 1969: 44]
- Licea lilacina** Nann.-Bremek., T. N. Lakh. & R. K. Chopra in Lakhapal, Nannenga-Bremekamp & Chopra, Proc. Kon. Ned. Akad. Wetensch. 93(3): 256 (1990)
- Licea longa** Flatau, Stapfia 73: 67 (2000)
- Licea lucens** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 84(3): 285 (1981)
- Licea marginata** Nann.-Bremek., Acta Bot. Neerl. 14: 144 (1965) [M. & A., 1969: 45]
- Licea microscopica** D. W. Mitch., Bull. Brit. Mycol. Soc. 12(1): 24 (1978)
- Licea minima** Fr., Syst. Mycol. 3: 199 (1829) [M. & A., 1969: 45]
- ≡ *Phelonites minima* (Fr.) Fr., Summa Veg. Scand.: 459 (1849) [M. & A., 1969: 45]
- Tubulina minima* (Fr.) Masee, Monogr. Myxogastr.: 36 (1892) [M. & A., 1969: 45]
- Licea morchelloides** T. N. Lakh., Nann.-Bremek. & R. K. Chopra, Proc. Kon. Ned. Akad. Wetensch. 93(3): 258 (1990)
- Licea nannengae** Pando & Lado, Mycotaxon 31(2): 299 (1988)
- Licea nigromarginata** Nann.-Bremek., T. N. Lakh. & R. K. Chopra in Lakhapal, Nannenga-Bremekamp & Chopra, Proc. Kon. Ned. Akad. Wetensch. 93(3): 259 (1990)
- Licea operculata** (Wingate) G. W. Martin, Mycologia 34(6): 702 (1942)
- ≡ *Orcadella operculata* Wingate, Proc. Acad. Nat. Sci. Philadelphia 41: 280 (1889) [M. & A., 1969: 46]

- = *Orcadella operculata* var. *sessile* G. Lister, Monogr. Mycetozoa, ed. 3: 186 (1925)
- = *Licea capitata* Ing & McHugh in Ing, Trans. Brit. Mycol. Soc. 78(3): 439 (1982) [Ing, Myxomycetes Britain and Ireland: 55 (1999)]
- Licea parasitica** (Zukal) G. W. Martin, Mycologia 34(6): 702 (1942) [Zukal's specific epithet was chosen because the species was supposed to be parasitic on lichens; Santesson, Svensk Bot. Tidskr. 42: 47 (1948), believed that the slimy rosaceous mass which Zukal thought was the plasmodium was in reality *Illosporium roseum*, an imperfect fungus parasitic on lichens, hence Zukal's name could be regarded as a nomen confusum and invalid. The retention of Zukal's epithet may be justified by application of the second paragraph of art. 9 of the 1961 code (art. 9.9 and 9.12 of the St. Louis code, 2000). In this case it is clearly possible to eliminate the *Illosporium* as merely one of the fungi present on the substratum. Few, if any, Myxomycetes collected in the field are without accompanying fungi. In this view, Dr. Santesson concurs. See more notes in M. & A., 1969: 47]
- ≡ *Hymenobolus parasiticus* Zukal, Oesterr. Bot. Z. 43: 73 (1893) [M. & A., 1969: 46]
- Hymenobolina parasitica* (Zukal) Zukal, Oesterr. Bot. Z. 43: 133 (1893) [M. & A., 1969: 46]
- Orcadella parasitica* (Zukal) Hagelst., Mycologia 34(3): 258 (1942) [M. & A., 1969: 46]
- = *Cyllichnium operculatum* Wallr., Fl. Crypt. Germ. 2: 268 (1833) [Wallroth's specimens are still in existence, but his specific epithet is preoccupied in *Licea*, M. & A., 1969: 47]
- ≡? *Licea singularis* E. Jahn, Ber. Deutsch. Bot. Ges. 36: 665 (1919) [M. & A., 1969: 46]
- Orcadella singularis* (E. Jahn) R. Sant., Svensk Bot. Tidskr. 42: 46 (1948) [M. & A., 1969: 46]
- Licea parvicapitata** Y. Yamam., Bull. Natl. Sci. Mus., Tokyo, B 26(3): 113 (2000)
- Licea pedicellata** (H. C. Gilbert) H. C. Gilbert in Martin, Mycologia 34(6): 702 (1942) [M. & A., 1969: 47]
- ≡ *Hymenobolina pedicellata* H. C. Gilbert, Stud. Nat. Hist. Iowa Univ. 16(2): 153 (1934) [M. & A., 1969: 47]
- Licea perexigua** T. E. Brooks & H. W. Keller in Keller & Brooks, Mycologia 69(4): 674 (1977)
- Licea pescadorensis** Chao H. Chung & C. H. Liu, Taiwaniana 41(4): 259 (1996)
- Licea poculiformis** Ukkola, Acta Bot. Fennica 160: 5 (1998)
- Licea pseudoconica** T. E. Brooks & H. W. Keller in Keller & Brooks, Mycologia 69(4): 678 (1977)
- Licea pumila** G. W. Martin & R. M. Allen in Martin & Alexopoulos, Myxomycetes: 48 (1969) [M. & A., 1969: 48]
- Licea punctiformis** G. W. Martin in Martin & Alexopoulos, Myxomycetes: 49 (1969)
- Licea pusilla** Schrad., Nov. Gen. Pl.: 19 (1797) [M. & A., 1969: 50]
- ≡ *Tubulina pusilla* (Schrad.) Poir. in Lamarck, Encycl. 8: 131 (1808) [M. & A., 1969: 50]
- Protoderma pusilla* (Schrad.) Rostaf., Sluzowce Monogr.: 90 (1874) [M. & A., 1969: 50]
- Protodermium pusillum* (Schrad.) Rostaf. ex Berl. in Saccardo, Syll. Fung. 7: 328 (1888) [M. & A., 1969: 50]
- Protodermodium pusillum* (Schrad.) Kuntze, Revis. Gen. Pl. 2: 867 (1891) [M. & A., 1969: 50]
- = *Physarum licea* Fr., Syst. Mycol. 3: 143 (1829) [M. & A., 1969: 50]
- Licea pygmaea** (Meyl.) Ing, Trans. Brit. Mycol. Soc. 78(3): 443 (1982)
- ≡ *Licea pusilla* var. *pygmaea* Meyl., Bull. Soc. Vaud. Sci. Nat. 58: 89 (1933)
- Licea reticulospora** H. Z. Li & Yu Li in Li & Li, Mycosystema 7: 133 (1995) ["1994"]
- Licea retiformis** Nawawi, Trans. Brit. Mycol. Soc. 60(1): 153 (1973)
- Licea rufocuprea** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 90(3): 325 (1987)
- Licea rugosa** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 90(3): 326 (1987)
- Licea sambucina** D. W. Mitch. in Mitchell & McHugh, Karstenia 40: 104 (2001) ["2000"]
- Licea scintillans** McHugh & D. W. Mitch., in Mitchell & McHugh, Karstenia 40: 106 (2001) ["2000"]
- Licea scyphoides** T. E. Brooks & H. W. Keller in Keller & Brooks, Mycologia 69(4): 679 (1977)
- = *Licea scyphoides* var. *reticulata* T. N. Lakh., Nann.-Bremek. & R. K. Chopra, Proc. Kon. Ned. Akad. Wetensch. 93(3): 261 (1990)
- Licea singhadensis** S. D. Patil, Ranade & R. L. Mishra in Ranade & Mishra, Maharashtra Vidnyan Mandir Patrika 12(1): 26 (1977)
- Licea synsporos** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 71(1): 42 (1968)
- Licea takahashii** Y. Yamam., Bull. Natl. Sci. Mus., Tokyo, B 26(3): 114 (2000)
- Licea tanzanica** Ukkola, Härk. & Gilert in Ukkola, Härkönen & Saarimäki, Karstenia 36(2): 57 (1996)

- Licea tenera** E. Jahn, Ber. Deutsch. Bot. Ges. 36: 665 (1919) [M. & A., 1969: 50]
- Licea testudinacea** Nann.-Bremek., Acta Bot. Neerl. 14: 141 (1965) [M. & A., 1969: 51]
- Licea tropica** Chao H. Chung & C. H. Liu, Proc. Natl. Sci. Council Republ. China, B 20(4): 140 (1996)
- Licea tuberculata** G. W. Martin, Mycologia 49(3): 439 (1957) [M. & A., 1969: 51]
- = *Licea tuberculata* var. *papillata* Nann.-Bremek., T. N. Lakh. & R. K. Chopra in Lakhanpal, Nannenga-Bremekamp & Chopra, Proc. Kon. Ned. Akad. Wetensch. 93(3): 262 (1990)
- Licea variabilis** Schrad., Nov. Gen. Pl.: 18 (1797) [M. & A., 1969: 52]
- = *Trichia variabilis* (Schrad.) Poir. in Lamarck, Encycl. 8: 131 (1808) [M. & A., 1969: 52]
- = *Licea flexuosa* Pers., Syn. Meth. Fung.: 197 (1801) [M. & A., 1969: 52]
- Tubulina flexuosa* (Pers.) Poir. in Lamarck, Encycl. 8: 131 (1808) [M. & A., 1969: 52]
- = *Licea alutacea* Wallr., Fl. Crypt. Germ. 2: 344 (1833) [M. & A., 1969: 52]
- LINDBLADIA** Fr., Summa Veg. Scand.: 449 (1849) [M. & A., 1969: 73]
- Lindbladia tubulina** Fr., Summa Veg. Scand.: 449 (1849) [M. & A., 1969: 74]
- = *Licea effusa* Ehrenb., Sylv. Myc. Berol.: 26 (1818) [p.p., cf. *Tubulifera arachnoidea* Jacq.] [See comments under *Lindbladia effusa* (Ehrenb.) Rostaf.] [M. & A., 1969: 56, 74]
- Lindbladia effusa* (Ehrenb.) Rostaf. in Fuckel, Jahrb. Nassauischen Vereins Naturk. 27-28: 68 (1873) [According to M. & A. (1969: 74) based on *Licea effusa* Ehrenb., Sylv. Myc. Berol.: 26 (1818), as published first by Fuckel and later in Rostafinski, Sluzowce Monogr.: 224 (1875). However, in the index of the monograph, p. 372, *L. effusa* is cited as "p.p. *Lindbladia effusa*". Reference to Ehrenberg's original description and figures, especially 1, A-C, make it clear that they cannot apply to *Lindbladia* and strongly suggest that they are *Tubifera ferruginosa* (Batsch) J. F. Gmel. The same applies to *Aethalium melaenum* Chevall., Fung. Byss. Illustr. 1: pl. 32 (1837). Chevallier's (unpagged) description and the figure make it more than doubtful whether they can apply to *Lindbladia*. There can be little question as to the application of Fries's name and it seems desirable to revert to it for the type and only species of what Fries called this "*nobilissimum genus*"
- Tubulina effusa* (Ehrenb.) Massee, Monogr. Myxogastr.: 41 (1892) [M. & A., 1969: 74]
- = *Aethalium atrum* Preuss, Linnaea 24: 141 (1851) [M. & A., 1969: 74]
- = *Licea spermoides* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 68 (1873) [M. & A., 1969: 74]
- Tubulina spermoides* (Berk. & M. A. Curtis) Massee, Monogr. Myxogastr.: 37 (1892) [M. & A., 1969: 74]
- = *Physarum caespitosum* Peck, Annual Rep. New York State Mus. 26: 75 (1874) [Nom. illeg., non *Ph. caespitosum* Schwein., 1832] [M. & A., 1969: 74]
- Perichaena caespitosa* Peck ex Peck, Annual Rep. New York State Mus. 31: 57 (1875) [M. & A., 1969: 74]
- Tubulina caespitosa* (Peck ex Peck) Massee, Monogr. Myxogastr.: 43 (1892) [M. & A., 1969: 74]
- = *Lindbladia effusa* var. *simplex* Rex, Bot. Gaz. (London) 17: 202 (1892) [Yamamoto et al., Crypt. Fl. Pakistan 1: 112 (1992)]
- Lindbladia tubulina* var. *simplex* (Rex) Y. Yamam. in Yamamoto, Hagiwara & Sultana, Crypt. Fl. Pakistan 1: 111 (1992)
- = *Enteridium yabeanum* Emoto, Bot. Mag. (Tokyo) 46: 170 (1932) [M. & A., 1969: 74]
- LISTERELLA** E. Jahn, Ber. Deutsch. Bot. Ges. 24: 540 (1906) [M. & A., 1969: 102]
- Listerella paradoxa** E. Jahn, Ber. Deutsch. Bot. Ges. 24: 538 (1906) [M. & A., 1969: 102]
- LYCOGALA** Adans., Fam. Pl. 2: 7 (1763) [Based on a pre-Linnaean name employed by Micheli, Nov. Pl. Gen.: 215 (1729)] [M. & A., 1969: 61]
- = *Lycoperdon* L., Sp. Pl.: 1183 (1753) [By lectotypification; non *Lycoperdon* Pers.: Pers., 1801, used in the Lycoperdaceae; see Martin, Stud. Nat. Hist. Iowa Univ. 20: 22-23 (1966)]
- = *Galeperdon* F. H. Wigg., Prim. Fl. Holsat.: 108 (1780) [M. & A., 1969: 61]
- = *Lycogala* Pers., Neues Mag. Bot. 1: 87 (1794) [see Martin, Stud. Nat. Hist. Iowa Univ. 20: 22 (1966)]
- = *Diphtherium* Ehrenb., Sylv. Myc. Berol.: 26 (1818) [M. & A., 1969: 61]
- = *Dermodium* Rostaf., Sluzowce Monogr.: 284 (1875) [Nom. illeg., non *Dermodium* Link, 1815] [M. & A., 1969: 61]
- = *Antonigepia* Kuntze, Revis. Gen. Pl. 3(3): 443 (1898) [M. & A., 1969: 62]
- = *Verrucosia* Teng, Contr. Biol. Lab. Chin. Assoc. Advancem. Sci 8: 124 (1937) [M. & A., 1969: 62]
- Lycogala confusum** Nann.-Bremek. ex Ing, Myxomycetes Britain and Ireland: 93 (1999)
- = *Lycogala miniatum* var. *tessellatum* Lister in Penzig, Myxomyc. Fl. Buitenzorg: 77 (1898) [M. & A., 1969: 64]

- Lycogala epidendrum* var. *tessellatum* (Lister) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 203 (1911) [M. & A., 1969: 64]
- Lycogala conicum** Pers., Syn. Meth. Fung.: 159 (1801) [M. & A., 1969: 62]
- ≡ *Dermodium conicum* (Pers.) Rostaf., Sluzowce Monogr.: 284 (1875) [M. & A., 1969: 62]
- Antonigepia conica* (Pers.) Kuntze, Revis. Gen. Pl. 3(3): 443 (1898) [M. & A., 1969: 62]
- = *Lycogala atropurpureum* Berk. & Broome, J. Linn. Soc., Bot. 14: 82 (1873) [M. & A., 1969: 62]
- = *Lycogala nitidum* Berk. & Broome, J. Linn. Soc., Bot. 14: 81 (1873) [M. & A., 1969: 62]
- = *Lycogala conicum* var. *pustulatum* K. S. Thind, Myxomycetes India: 78 (1977) ["pustulata"]
- Lycogala epidendrum** (L.) Fr., Syst. Mycol. 3: 80 (1829) [M. & A., 1969: 63]
- ≡ *Lycoperdon epidendrum* L., Sp. Pl.: 1184 (1753) [M. & A., 1969: 63]
- Galeperdon epidendrum* (L.) F. H. Wigg., Prim. Fl. Holsat.: 109 (1780) [M. & A., 1969: 63]
- = *Mucor lycogala* Scop., Fl. Carniol., ed. 2. 2: 496 (1772) [non *M. lycogalum* Bolton, 1789] [M. & A., 1969: 63]
- = *Mucor fragiformis* Schaeff., Fung. Bavar. Palat. Nasc. 4: 132 (1774) [M. & A., 1969: 63]
- = *Lycoperdon pisiforme* Jacq., Misc. Austriac. 1: 137 (1778) [M. & A., 1969: 63]
- = *Lycoperdon variolosum* Huds., Fl. Angl., ed. 2. 645 (1778) [M. & A., 1969: 63]
- = *Lycoperdon chalybeum* Batsch, Elench. Fung.: 155 (1783) [M. & A., 1969: 63]
- = *Lycogala miniatum* Pers., Neues Mag. Bot. 1: 87 (1794) ["miniata"] [M. & A., 1969: 63]
- Reticularia miniata* (Pers.) Poir. in Lamarck, Encycl. 6: 184 (1804) [M. & A., 1969: 63]
- = *Reticularia rosea* DC., Bull. Soc. Philom. (Paris) 1: 105 (1798) [M. & A., 1969: 63]
- = *Lycogala ferruginea* Schumach., Enum. Pl. 2: 192 (1803) [M. & A., 1969: 63]
- = *Reticularia punctata* Poir. in Lamarck, Encycl. 6: 184 (1804) [M. & A., 1969: 63]
- = *Lycogala terrestre* Fr., Symb. Gasteromyc.: 10 (1817) [M. & A., 1969: 63]
- Lycogala epidendrum* var. *terrestre* (Fr.) Y. Yamam., Myxomycete Biota Japan: 118 (1998)
- = *Lycogala affine* Berk. & Broome, J. Linn. Soc., Bot. 14: 81 (1873) [M. & A., 1969: 63]
- = *Lycogala nigricans* Lloyd, Mycol. Not. 7(68): 1184 (1923) [M. & A., 1969: 63]
- Lycogala exiguum** Morgan, J. Cincinnati Soc. Nat. Hist. 15: 134 (1893) [M. & A., 1969: 64]
- ≡ *Lycogala epidendrum* var. *exiguum* (Morgan) Torrend, Brotéria, Sér. Bot. 7: 27 (1908) [M. & A., 1969: 64]
- Lycogala flavofuscum** (Ehrenb.) Rostaf. in Fuckel, Jahrb. Nassauischen Vereins Naturk. 27-28: 68 (1873) ["flavo-fusca"] [M. & A., 1969: 64]
- ≡ *Diphtherium flavofuscum* Ehrenb., Sylv. Myc. Berol.: 27 (1818) [M. & A., 1969: 64]
- Reticularia flavofusca* (Ehrenb.) Fr., Syst. Mycol. 3: 88 (1829) [M. & A., 1969: 64]
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- Perichaena fusco-atra* (Sibth.) Rostaf., Sluzowce Monogr.: 294 (1875) [M. & A., 1969: 111]
- ≡ *Trichia gymnosperma* Pers., Observ. Mycol. 1: 63 (1796) [M. & A., 1969: 111]
- ≡ *Trichia circumscissa* Schrad., Nov. Gen. Pl.: 19 (1797) [Not. T. circumscissa Wallr., 1833] [M. & A., 1969: 111]
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- Tubulina circumscissa* (Schrad.) Poir. in Lamarck, Encycl. 8: 131 (1808) [M. & A., 1969: 111]
- Perichaena circumscissa* (Schrad.) Schwein., Trans. Amer. Philos. Soc. 4: 258 (1832) [M. & A., 1969: 111]
- ≡ *Physarum luteoalbum* Schumach., Enum. Pl. 2: 199 (1803) [non *Ph. luteoalbum* Lister & G. Lister, 1904] [M. & A., 1969: 111]

- = *Licea circumscissa* var. *abietina* Alb. & Schwein., Consp. Fung. Lusat.: 108 (1805)
Perichaena abietina (Alb. & Schwein.) Fr., Symb. Gasteromyc.: 11 (1817) [M. & A., 1969: 111]
- = *Licea circumscissa* var. *populina* Alb. & Schwein., Consp. Fung. Lusat.: 108 (1805)
Perichaena populina (Alb. & Schwein.) Fr., Symb. Gasteromyc.: 12 (1817) [M. & A., 1969: 111]
- = *Pyxidium sessile* Gray, Nat. Arr. Brit. Pl. 1: 580 (1821) [M. & A., 1969: 111]
- = *Perichaena populina* var. *sorbea* Fr., Syst. Mycol. 3: 192 (1829)
- = *Perichaena marginata* Schwein., Trans. Amer. Philos. Soc. 4: 258 (1832) [Non *P. marginata* Berk. & Broome 1876] [M. & A., 1969: 111]
Perichaena corticalis var. *marginata* (Schwein.) Torrend, Brotéria, Sér. Bot. 7: 33 (1908)
- = *Licea pannorum* Cienk., Jahrb. Wiss. Bot. 3: 407 (1863) [Nom. illeg., non *L. pannorum* Wallr., 1833] [M. & A., 1969: 112; Gilert, Mycol. Res. 94: 699 (1990)]
- = *Perichaena liceoides* Rostaf., Sluzowce Monogr.: 295 (1875) [M. & A., 1969: 111]
Perichaena corticalis var. *liceoides* (Rostaf.) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 251 (1911) [M. & A., 1969: 112; Gilert, Mycol. Res. 94: 698 (1990)]
- = *Perichaena rostafinskii* P. Karst., Bidrag Kännedom Finlands Natur Folk 31: 130 (1879) [M. & A., 1969: 111]
- = *Oligonema broomei* Massee, J. Roy. Microscop. Soc. London 1889: 346 (1889) [M. & A., 1969: 111]
- = *Perichaena cano-flavescens* Raunk., Bot. Tidsskr. 17: 54 (1890) [M. & A., 1969: 111]
Ophiotheca cano-flavescens (Raunk.) Massee, Monogr. Myxogastr.: 134 (1892) [M. & A., 1969: 111]
- = *Perichaena nitens* Raunk., Bot. Tidsskr. 17: 55 (1890) [M. & A., 1969: 111]
Ophiotheca nitens (Raunk.) Massee, Monogr. Myxogastr.: 133 (1892) [M. & A., 1969: 111]
- = *Lachnobolus pygmaeus* Zukal, Oesterr. Bot. 43: 136 (1893) [M. & A., 1969: 111]
- = *Perichaena ochrospora* Peck, Annual Rep. New York State Mus. 54: 156 (1901) [M. & A., 1969: 111]
Perichaena corticalis var. *ochrospora* (Peck) Torrend, Brotéria, Sér. Bot. 7: 33 (1908)
- Perichaena depressa** Lib., Pl. Crypt. Arduenna: 378 (1837) [M. & A., 1969: 112]
- ≡ *Stegasma depressum* (Lib.) Corda, Icon. Fung. 5: 58 (1842) [M. & A., 1969: 112]
- =? *Trichia circumscissa* Wallr., Fl. Crypt. Germ. 4: 378 (1833) [Nom. illeg., non *T. circumscissa* Schrad., 1797] [M. & A., 1969: 112]
Cornuvia circumscissa Wallr. ex Rostaf., Sluzowce Monogr.: 290 (1875) [M. & A., 1969: 112]
Ophiotheca circumscissa (Wallr. ex Rostaf.) Massee, Monogr. Myxogastr.: 131 (1892) [M. & A., 1969: 112]
- = *Licea artocreas* Berk. & Ravenel, Fungi Caroliniani 2: 82 (1853) [Nom. nud., in sched., see Farr, Int. J. Mycol. Lichenol. 3: 200 (1988)]
Perichaena artocreas Berk. & Ravenel in Berkeley, Grevillea 2: 68 (1873) [M. & A., 1969: 112]
- = *Perichaena irregularis* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 68 (1873) [M. & A., 1969: 112]
Ophiotheca irregularis (Berk. & M. A. Curtis) Massee, Monogr. Myxogastr.: 132 (1892) [M. & A., 1969: 112]
- = *Stegasma australe* Ces., Hedwigia 13: 186 (1874) [M. & A., 1969: 112]
Perichaena australis (Ces.) Berl. in Saccardo, Syll. Fung. 7: 422 (1888) [Although Berlese made the transfer, he lists it among the doubtful species] [M. & A., 1969: 112]
- = *Perichaena marginata* Berk. & Broome, J. Linn. Soc., Bot. 15: 84 (1876) [Nom. illeg., non *P. marginata* Schwein., 1832] [M. & A., 1969: 112]
- =? *Cornuvia circumscissa* var. *scabra* J. Schröt., Krypt.-Fl. Schlesien Pilze Schles. 3(1): 109 (1885) [M. & A., 1969: 113]
- =? *Cornuvia circumscissa* var. *spinosa* J. Schröt., Krypt.-Fl. Schlesien Pilze Schles. 3(1): 109 (1885) [M. & A., 1969: 113]
- = *Hemiarcyria applanata* Cooke & Massee in Cooke, Grevillea 16: 20 (1887) [M. & A., 1969: 112]
Perichaena applanata (Cooke & Massee) Massee, Monogr. Myxogastr.: 116 (1892) [M. & A., 1969: 112]
- Perichaena dictyonema** Rammeloo, Bull. Jard. Bot. Belg. 51(1/2): 230 (1981)
- Perichaena heterobaculata** Rammeloo, Bull. Jard. Bot. Belg. 51(1/2): 230 (1981)
- Perichaena luteola** (Kowalski) Gilert, Mycol. Res. 99(3): 315 (1995) [Previously published by the same author, as “to be published”, in *Ultrastructural Features in Licea (Myxomycetes) and their Impact on Tracing relationships among species*: 10 (1994). Nom. inval, see ICBN, art. 34.1]
- ≡ *Calonema luteolum* Kowalski, Madroño 20 (4): 229 (1969)
Arcyodes luteola (Kowalski) Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 88(1): 127 (1985) [Proposed earlier by the same author in Proc. Kon. Ned. Akad.

- Wetensch., C 85(4): 556 (1882), but nom. inval., see ICBN, art. 33.3, basionym reference omitted]
- Perichaena membranacea** Yu Li, Q. Wang & H. Z. Li in Li, Li, Wang & Chen, *Mycosystema* 3: 93 (1990)
- Perichaena microspora** Penz. & Lister in Penzig, *Myxomyc. Fl. Buitenzorg*: 76 (1898) [M. & A., 1969: 113]
- Perichaena pedata** (Lister & G. Lister) G. Lister ex E. Jahn, *Ber. Deutsch. Bot. Ges.* 36: 667 (1919)
- ≡ *Perichaena variabilis* var. *pedata* Lister & G. Lister, *J. Bot.* 42: 139 (1904) [Nannenga-Bremekamp, *Nederlandse Myxomyceten*: 117 (1975)]
- Perichaena vermicularis* var. *pedata* (Lister & G. Lister) Torrend, *Brotéria, Sér. Bot.* 7: 30 (1908)
- Perichaena poronema** Yu Li & H. Z. Li in Li, Li, Wang & Chen, *Mycosystema* 3: 95 (1990)
- Perichaena pulcherrima** Petch, *Ann. Roy. Bot. Gard. (Peradeniya)* 4: 305 (1909) [M. & A., 1969: 115]
- Perichaena quadrata** T. Macbr., *N. Amer. Slime-Moulds*: 184 (1899) [Keller & Eliasson, *Mycol. Res.* 96(12): 1091 (1992)]
- ≡ *Perichaena depressa* var. *quadrata* (T. Macbr.) Torrend, *Brotéria, Sér. Bot.* 7: 32 (1908)
- Perichaena reticulospora** H. W. Keller & D. R. Reynolds, *Mycologia* 63(2): 407 (1971)
- Perichaena syncarpon** T. E. Brooks, *Mycologia* 38(1): 110 (1946) [M. & A., 1969: 115]
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- Perichaena tessellata** G. Lister, *J. Bot.* 69: 298 (1931) [M. & A., 1969: 116]
- Perichaena thindii** Nanir, *Curr. Sci.* 50(17): 784 (1981)
- Perichaena vermicularis** (Schwein.) Rostaf., *Sluzowce Monogr. Suppl.*: 34 (1876) [M. & A., 1969: 116]
- ≡ *Physarum vermiculare* Schwein., *Trans. Amer. Philos. Soc.* 4: 257 (1832) [M. & A., 1969: 116]
- Ophiotheca vermicularis* (Schwein.) Masee, *Monogr. Myxogastr.*: 134 (1892) [M. & A., 1969: 116]
- ≡ *Ophiotheca pallida* Berk. & M. A. Curtis in Berkeley, *J. Linn. Soc., Bot.* 10: 350 (1868) [M. & A., 1969: 116]
- ≡ *Licea reticulata* Berk. & Broome, *J. Linn. Soc., Bot.* 14: 86 (1873) [M. & A., 1969: 116]
- Perichaena reticulata* (Berk. & Broome) Rostaf., *Sluzowce Monogr. Suppl.*: 35 (1876) [M. & A., 1969: 116]
- Ophiotheca reticulata* (Berk. & Broome) Masee, *Monogr. Myxogastr.*: 133 (1892) [M. & A., 1969: 116]
- ≡ *Ophiotheca umbrina* Berk. & M. A. Curtis in Berkeley, *Grevillea* 2: 68 (1873) [M. & A., 1969: 116]
- ≡ *Perichaena friesiana* Rostaf., *Sluzowce Monogr.*: 296 (1875) [M. & A., 1969: 116]
- ≡ *Perichaena variabilis* Rostaf., *Sluzowce Monogr.*: 295 (1875) [M. & A., 1969: 116]
- ≡ *Perichaena confusa* Masee, *Monogr. Myxogastr.*: 117 (1892) [M. & A., 1969: 116]
- ≡ *Perichaena vermicularis* var. *microsperma* Y. Yamam. & Nann.-Bremek., *Proc. Kon. Ned. Akad. Wetensch.* 98(3): 323 (1995) [The number 2186 of the holotype refers to the collection number of Y. Yamamoto; it is deposited in TNS (Yamamoto, in litt.), see ICBN, art. 37.6]
- PHYSARELLA** Peck, *Bull. Torrey Bot. Club* 9: 61 (1882) [M. & A., 1969: 246]
- Physarella oblonga** (Berk. & M. A. Curtis) Morgan, *J. Cincinnati Soc. Nat. Hist.* 19: 7 (1896) [M. & A., 1969: 247]
- ≡ *Trichamphora oblonga* Berk. & M. A. Curtis in Berkeley, *Grevillea* 2: 66 (1873) [M. & A., 1969: 247]
- Tilmadoche oblonga* (Berk. & M. A. Curtis) Rostaf., *Sluzowce Monogr. Suppl.*: 13 (1876) [M. & A., 1969: 247]
- ≡ *Physarum rufibasis* Berk. & Broome, *J. Linn. Soc., Bot.* 14: 85 (1873) [M. & A., 1969: 247]
- ≡ *Chondrioderma inflatum* Rostaf., *Sluzowce Monogr.*: 425 (1875) [M. & A., 1969: 247]
- ≡ *Tilmadoche hians* Rostaf., *Sluzowce Monogr. Suppl.*: 14 (1876) [M. & A., 1969: 247]
- Physarum hians* (Rostaf.) Masee, *Monogr. Myxogastr.*: 296 (1892) [M. & A., 1969: 247]
- ≡ *Physarum mirabile* Peck, *Annual Rep. New York State Mus.* 33: 22 (1880) [Farr, *Fl. Neotrop.* 16: 192 (1976)]
- Physarella mirabilis* (Peck) Peck, *Bull. Torrey Bot. Club* 9: 61 (1882) [May 1882] [M. & A., 1969: 247] [Also published in *Rev. Mycol. (Toulouse)* 4: 172 July, 1882]
- ≡ *Perichaena pseudoacidium* Speg., *Anales Soc. Ci. Argent.* 22: 187 (1886) [M. & A., 1969: 247]
- ≡ *Physarella oblonga* var. *lusitanica* Torrend, *Bol. Soc. Portug. Ci. Nat.* 2: 68 (1909) ["1908"]
- Physarella lusitanica* (Torrend) Torrend, *Brotéria, Sér. Bot.* 7: 113 (1908) [M. & A., 1969: 247]
- ≡ *Physarella oblonga* f. *alba* Alexop., *Mycologia* 56(4): 553 (1964) [M. & A., 1969: 248]
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- Physarina echinospora** K. S. Thind & Manocha, Mycologia 56(5): 713 (1964) [M. & A., 1969: 346]
- PHYSARUM** Pers., Neues Mag. Bot. 1: 88 (1794) [M. & A., 1969: 274]
- = *Sphaerocarpus* Bull., Hist. Champ. France: 123 (1791) [Nom. illeg., non *Sphaerocarpus* Ludwig, 1760, nec *Sphaerocarpus* Adans., 1763] [M. & A., 1969: 274]
- = *Angioridium* Grev., Scott. Crypt. Fl., pl. 210 (1827) [M. & A., 1969: 274]
- = *Trichamphora* Jungh., Praem. Fl. Crypt. Java: 12 (1838) [M. & A., 1969: 274]
- = *Claustria* Fr., Summa Veg. Scand.: 451 (1849) [M. & A., 1969: 274]
- = *Tilmadoche* Fr., Summa Veg. Scand.: 454 (1849) [M. & A., 1969: 274]
- = *Crateriachea* Rostaf., Vers. Syst. Mycetozen: 11 (1873) [M. & A., 1969: 274]
- = *Cytidium* Morgan, J. Cincinnati Soc. Nat. Hist. 19: 8 (1896) [M. & A., 1969: 274]
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- ≡ *Physarum murinum* var. *aeneum* Lister, J. Bot. 36: 117 (1898) [M. & A., 1969: 283]
- Physarum albescens** Ellis ex T. Macbr., N. Amer. Slime-Moulds, ed. 2: 86 (1922) [M. & A., 1969: 283]
- = *Leocarpus fulvus* T. Macbr., N. Amer. Slime-Moulds: 82 (1899) [M. & A., 1969: 283]
- Physarum fulvum* (T. Macbr.) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 60 (1911) [Nom. illeg., non *Ph. fulvum* Fr., 1829] [M. & A., 1969: 283]
- = *Physarum rubronodum* G. W. Martin, J. Wash. Acad. Sci. 38(7): 238 (1948) [Kowalski, Madroño 22: 151 (1973)]
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- ≡ *Sphaerocarpus albus* Bull., Hist. Champ. France: 137 (1791) [Previously published by Bulliard in Herb. France, pl. 407 fig. 3 (1789) and pl. 470 fig. 1 (1790), but the genus is not described, and the art. 42.1 of ICBN (descriptio generico-specifica) is not applicable]
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- Trichia alba* (Bull.) Raeusch., Nomencl. Bot.: 349 (1797) [Nom. illeg., non *T. alba* With., 1796, nec *T. alba* Purton, 1821] [M. & A., 1969: 317]
- Tilmadoche alba* (Bull.) T. Macbr., N. Amer. Slime-Moulds: 58 (1899) [M. & A., 1969: 318]
- Physarum album* (Bull.) Moesz, Folia Crypt. 1: 133 (1925) [Comb. superfl., proposed earlier by Chevallier, Fl. Gén. Env. Paris 1: 336 (1826)] [Petrak's list, 1922-1928, 1953: 287]
- = *Physarum nutans* Pers., Ann. Bot. (Usteri) 15: 6 (1795) [M. & A., 1969: 317]
- Tilmadoche nutans* (Pers.) Rostaf., Sluzowce Monogr.: 127 (1874) [M. & A., 1969: 318]
- = *Trichia nutans* Trentep. in Roth, Catal. Bot. 1: 227 (1797) [Nom. illeg., non *T. nutans* Bull., 1791] [M. & A., 1969: 317]
- = *Physarum albopunctatum* Schumach., Enum. Pl. 2: 200 (1803) [M. & A., 1969: 317]
- = *Physarum bulbiforme* Schumach., Enum. Pl. 2: 200 (1803) [M. & A., 1969: 317]
- = *Physarum marginatum* Schumach., Enum. Pl. 2: 202 (1803) [M. & A., 1969: 317]
- Didymium marginatum* (Schumach.) Fr., Syst. Mycol. 3: 115 (1829) [M. & A., 1969: 317]
- = *Physarum pini* Schumach., Enum. Pl. 2: 203 (1803) [M. & A., 1969: 317]
- Tilmadoche pini* (Schumach.) Rostaf., Sluzowce Monogr.: 128 (1874) [M. & A., 1969: 318]
- = *Physarum furfuraceum* Schumach., Enum. Pl. 2: 204 (1803) [M. & A., 1969: 317]
- Didymium furfuraceum* (Schumach.) Fr., Syst. Mycol. 3: 116 (1829) [M. & A., 1969: 317]
- = *Trichia cernua* Schumach., Enum. Pl. 2: 211 (1803) [non *T. cernua* (Pers.) Poir., 1808] [M. & A., 1969: 317]
- Physarum cernuum* (Schumach.) Fr., Syst. Mycol. 3: 130 (1829) [M. & A., 1969: 317]
- Tilmadoche cernua* (Schumach.) Fr., Summa Veg. Scand.: 454 (1849) [M. & A., 1969: 318]
- = *Physarum nutans* var. *subtile* Alb. & Schwein., Consp. Fung. Lusat.: 93 (1805)
- = *Physarum nutans* var. *vulgare* Alb. & Schwein., Consp. Fung. Lusat.: 93 (1805)
- =? *Physarum albipes* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 3: 27 (1809) [Possible synonym] [M. & A., 1969: 318]

- = *Physarum gracilentum* Fr., Syst. Mycol. 3: 133 (1829) [M. & A., 1969: 317]
Tilmadoche gracilenta (Fr.) Rostaf., Sluzowce Monogr.: 129 (1874) [M. & A., 1969: 318]
- = *Physarum leucophaeum* var. *flexuosum* Rostaf., Sluzowce Monogr.: 114 (1874)
- = *Physarum leucophaeum* var. *violascens* Rostaf., Sluzowce Monogr.: 114 (1874)
Physarum nutans var. *violascens* (Rostaf.) Lister, Monogr. Mycetozoa: 51 (1894)
- = *Tilmadoche nutans* f. *propria* Rostaf., Sluzowce Monogr.: 128 (1874)
Tilmadoche nutans var. *propria* (Rostaf.) Berl. in Saccardo, Syll. Fung. 7: 359 (1888)
- = *Tilmadoche nutans* f. *rigida* Rostaf., Sluzowce Monogr.: 128 (1874)
Tilmadoche nutans var. *rigida* (Rostaf.) Berl. in Saccardo, Syll. Fung. 7: 359 (1888)
- Tilmadoche cernua* var. *rigida* (Rostaf.) L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 69 (1893) [M. & A., 1969: 234]
- = *Tilmadoche cernua* var. *deflexa* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 69 (1893) [M. & A., 1969: 234]
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- = *Physarum nutans* f. *rubrum* Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 90(3): 341 (1987)
Physarum nutans var. *rubrum* (Nann.-Bremek. & Y. Yamam.) Chao H. Chung in Chung & Liu, Taiwania 44(4): 282 (1997)
- Physarum alpestre** Mitchel, S. W. Chapm. & M. L. Farr, Mycologia 78(1): 68 (1986)
- Physarum alpinum** (Lister & G. Lister) G. Lister, J. Bot. 48: 73 (1910) [M. & A., 1969: 284]
= *Physarum virescens* var. *alpinum* Lister & G. Lister, J. Bot. 46: 216 (1908) [M. & A., 1969: 284]
- = *Physarum alpinum* f. *badhamioides* Meyl., Bull. Soc. Vaud. Sci. Nat. 50: 6 (1914)
- = *Physarum alpinum* f. *albescens* Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 303 (1914)
- = *Physarum alpinum* var. *pallidosporium* Illana & G. Moreno in Illana, Moreno & Heykoop, Mycotaxon 45: 245 (1992)
- Physarum altaicum** Lavrov, Sporov. Rast. Srednei Azii Kazakhst. 114 (1965)
- Physarum alvoradianum** Gottsb., Nova Hedwigia 15: 363 (1968)
- Physarum annulipes** Shuang L. Chen & Yu Li, Mycosystema 17(4): 289 (1998)
- Physarum aurantiacum** Shuang L. Chen, Yu Li & H. Z. Li, Mycosystema 18(4): 343 (1999)
- Physarum auripigmentum** G. W. Martin, J. Wash. Acad. Sci. 38(7): 239 (1948) [M. & A., 1969: 285]
- Physarum auriscalpium** Cooke, Ann. Lyceum Nat. Hist. New York 11: 384 (1877) [M. & A., 1969: 285]
= *Physarum limonium* Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 69(3): 357 (1966) [It may well be distinct, but it may represent no more than another European phase of *Ph. auriscalpium*, M. & A., 1969: 286]
- Physarum bethelii** T. Macbr. ex G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 57 (1911) [M. & A., 1969: 286]
= *Physarum viride* var. *bethelii* (T. Macbr. ex G. Lister) Sturgis, Colorado Coll. Stud. Sci. Ser. 12: 439 (1913) [M. & A., 1969: 286]
- Physarum bitectum** G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 78 (1911) [M. & A., 1969: 287]
- Physarum bitunicatum** S. Carter & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 75(4): 328 (1972)
- Physarum bivalve** Pers., Ann. Bot. (Usteri) 15: 5 (1795) [M. & A., 1969: 288]
= *Reticularia sinuosa* Bull., Herb. France, pl. 446 fig. 3 (1790) [M. & A., 1969: 288]
Angioridium sinuosum (Bull.) Grev., Scott. Crypt. Fl., pl. 310 (1827) [M. & A., 1969: 288]
Physarum sinuosum (Bull.) Weinm. in Fries, Syst. Mycol. 3: 145 (1829) [Nom. illeg., non *Ph. sinuosum* Link, 1809] [M. & A., 1969: 288]
- = *Diderma valvatum* Fr., Syst. Mycol. 3: 109 (1829) [M. & A., 1969: 288]
Carcerina valvata (Fr.) Fr., Summa Veg. Scand.: 451 (1849) [M. & A., 1969: 288]
- Physarum bogoriense** Racib., Hedwigia 37: 52 (1898) [February] [M. & A., 1969: 289]
= *Physarum pallidum* Lister, J. Bot. 36: 117 (1898) [April] [M. & A., 1969: 289]
= *Physarum bogoriense* var. *matsumotoi* Y. Yamam., Bull. Natl. Sci. Mus., Tokyo, B 26(3): 116 (2000)
- Physarum braunianum** de Bary in Rostafiński, Sluzowce Monogr.: 105 (1874) [M. & A., 1969: 290]
- Physarum brunneolum** (W. Phillips) Massee, Monogr. Myxogastr.: 280 (1892) [M. & A., 1969: 290]

- ≡ *Diderma brunneolum* W. Phillips, Grevillea 5: 114 (1877) [M. & A., 1969: 290]
- Physarum bubalinum** M. L. Farr, Contr. U. S. Natl. Herb. 37(6): 412 (1969)
- Physarum caesiellum** Chao H. Chung & Tzean, Mycotaxon 74(2): 483 (2000) [Nom. nov., based on *Ph. caesium* Shuang L. Chen & Yu Li, 1998, a nom. illeg.]
- ≡ *Physarum caesium* Shuang L. Chen & Yu Li, Mycosystema 17(4): 290 (1998) [Nom. illeg., non *Ph. caesium* (Schumach.) Fr, 1829]
- Physarum carneum** G. Lister & Sturgis in G. Lister, J. Bot. 48: 73 (1910) [M. & A., 1969: 291]
- Physarum cinereum** (Batsch) Pers., Neues Mag. Bot. 1: 89 (1794) [M. & A., 1969: 291]
- ≡ *Lycoperdon cinereum* Batsch, Elench. Fung.: 155 (1783) [M. & A., 1969: 291]
- Didymium cinereum* (Batsch) Fr., Syst. Mycol. 3: 126 (1829) [M. & A., 1969: 291]
- = *Physarum violaceum* Schumach., Enum. Pl. 2: 199 (1803) [Lister, Monogr. Mycetozoa, ed. 3: 53 (1925), cites as possible synonym] [M. & A., 1969: 292]
- = *Physarum cinereum* var. *complanatum* Alb. & Schwein., Consp. Fung. Lusat.: 92 (1805)
- = *Physarum cinereum* var. *globosum* Alb. & Schwein., Consp. Fung. Lusat.: 92 (1805)
- = *Physarum cinereum* var. *obovatum* Alb. & Schwein., Consp. Fung. Lusat.: 92 (1805)
- = *Physarum conglobatum* Ditmar in Sturm, Deutschl. Fl. Pilze 1(2): 40 (1814) [non *Ph. conglobatum* Fr., 1818. Cited by Rostafiński as a synonym, M. & A., 1969: 292]
- = *Physarum plumbeum* Fr., Syst. Mycol. 3: 142 (1829) [M. & A., 1969: 291]
- = *Didymium scrobiculatum* Berk., London J. Bot. 4: 66 (1845) [M. & A., 1969: 291]
- Physarum scrobiculatum* (Berk.) Massee, Monogr. Myxogastr.: 300 (1892) [M. & A., 1969: 291]
- = *Physarum capense* Rostaf., Sluzowce Monogr.: 113 (1874) [Lister, Monogr. Mycetozoa, ed. 3: 53 (1925), cites as possible synonym] [M. & A., 1969: 292]
- = *Didymium oxalinum* Peck, Annual Rep. New York State Mus. 28: 54 (1876) [M. & A., 1969: 291]
- = *Physarum cinereum* f. *ecalcaratum* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 71 (1893) [M. & A., 1969: 234]
- = *Physarum cinereum* var. *scintillans* Brändžá, Ann. Sci. Univ. Jassy 11: 122 (1921) [Is, as G. Lister points out, redundant, M. & A., 1969: 292]
- = *Badhamia calvescens* T. Macbr., Mycologia 18(3): 129 (1926) [Mitchell, Nova Hedwigia 55(1-2): 245 (1992)]
- = *Physarum cinereum* var. *aureonodum* Nann.-Bremek. & Finger, Proc. Kon. Ned. Akad. Wetensch., C 90(4): 458 (1987)
- = *Physarum cinereum* var. *magninodosum* Y. Yamam., Bull. Natl. Sci. Mus., Tokyo, B 23(6): 117 (2000)
- Physarum citrinum** Schumach., Enum. Pl. 2: 201 (1803) [M. & A., 1969: 292]
- ≡ *Diderma citrinum* (Schumach.) Fr., Syst. Mycol. 3: 100 (1829) [Non *D. citrinum* Berk., 1836] [M. & A., 1969: 292]
- Physarum schumacheri* var. *citrinum* (Schumach.) Rostaf., Sluzowce Monogr. Suppl.: 7 (1876)
- Cytidium citrinum* (Schumach.) Morgan, J. Cincinnati Soc. Nat. Hist. 19: 9 (1896) [M. & A., 1969: 292]
- = *Physarum compactum* Ehrenb., Sylv. Myc. Berol.: 26 (1818) [M. & A., 1969: 292] [non *Ph. compactum* (Wingate) Lister, 1894]
- Physarum schumacheri* var. *compactum* (Ehrenb.) Rostaf., Sluzowce Monogr.: 99 (1874) [Nom. illeg.]
- = *Physarum schumacheri* Spreng., Syst. Veg. 4(1): 528 (1827) [M. & A., 1969: 292]
- =? *Physarum aureum* var. *chrysopus* Lév., Ann. Sci. Nat. Bot., sér. 3 5: 166 (1846) [Léveillé seems to have regarded *Ph. citrinum* Schumach. as a variety of *Ph. viride* (Bull.) Pers., and *Ph. aureum* var. *chrysopus* Lév., according to all editions of the Lister monograph, included the present species. Rostafiński, Sluzowce Monogr. Suppl.: 7 (1876), based *Ph. leveillei* Rostaf. on the variety *chrysopus* of Léveillé, but apparently this included both *Ph. viride* and *Ph. citrinum*, M. & A., 1969: 293]
- Physarum schumacheri* var. *chrysopus* (Lév.) Rostaf., Sluzowce Monogr.: 99 (1874)
- = *Physarum leveillei* Rostaf., Sluzowce Monogr. Suppl.: 7 (1876) [Based on the variety *chrysopus* of Léveillé, but apparently this included both *Ph. viride* (Bull.) Pers. and *Ph. citrinum* Schumach.] [M. & A., 1969: 293]
- = *Physarum leveillei* var. *chrysopus* (Lév.) Rostaf., Sluzowce Monogr. Suppl.: 7 (1876)
- = *Physarum leveillei* var. *auripes* Rostaf., Sluzowce Monogr. Suppl.: 7 (1876) [Cited by Berlese in Saccardo, Syll. Fung. 7: 334 (1888)]
- = *Physarum citrinum* var. *rufipes* Berl. in Saccardo, Syll. Fung. 7: 340 (1888)
- = *Physarum citrinum* f. *sessile* Meyl., Bull. Soc. Vaud. Sci. Nat. 54: 288 (1908)
- Physarum columellatum** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 90(3): 327 (1987)
- Physarum compressum** Alb. & Schwein., Consp. Fung. Lusat.: 97 (1805) [M. & A., 1969: 293]

- = *Physarum nephroideum* Rostaf., Sluzowce Monogr.: 93 (1874) ["nefroidium"] [M. & A., 1969: 293]
- = *Physarum affine* Rostaf., Sluzowce Monogr.: 95 (1874) [M. & A., 1969: 293]
- = *Physarum candidum* Rostaf., Sluzowce Monogr.: 96 (1874) [M. & A., 1969: 293]
- = *Didymium glaucum* W. Phillips, Grevillea 5: 114 (1877) [M. & A., 1969: 293]
- Physarum glaucum* (W. Phillips) Massee, Monogr. Myxogastr.: 284 (1892) [M. & A., 1969: 293]
- = *Physarum phillipsii* Balf. f. in Cooke, Grevillea 10: 116 (1882) [M. & A., 1969: 293]
- =? *Physarum lepidoideum* H. C. Gilbert in Peck & Gilbert, Amer. J. Bot. 19(2): 133 (1932) [M. & A., 1969: 293]
- Physarum confertum** T. Macbr., N. Amer. Slime-Moulds, ed. 2: 64 (1922) [M. & A., 1969: 293]
- Physarum conglomeratum** (Fr.) Rostaf., Sluzowce Monogr.: 108 (1874) [non *Ph. conglomeratum* Massee, 1892] [M. & A., 1969: 294]
- ≡ *Diderma conglomeratum* Fr., Syst. Mycol. 3: 111 (1829) [M. & A., 1969: 294]
- Carcerina conglomerata* (Fr.) Fr., Summa Veg. Scand.: 451 (1849) [M. & A., 1969: 294]
- = *Physarum conglomeratum* var. *nephroideum* Rostaf., Sluzowce Monogr.: 109 (1874)
- = *Physarum conglomeratum* var. *polygonum* Rostaf., Sluzowce Monogr.: 109 (1874)
- Physarum contextum** (Pers.) Pers., Syn. Meth. Fung.: 168 (1801) [M. & A., 1969: 295]
- ≡ *Diderma contextum* Pers., Observ. Mycol. 1: 89 (1796) [M. & A., 1969: 295]
- Didymium contextum* (Pers.) Fr., Symb. Gasteromyc.: 20 (1818) [M. & A., 1969: 295]
- Leocarpus contextus* (Pers.) Fr., Summa Veg. Scand.: 450 (1849) [M. & A., 1969: 295]
- Chondrioderma contextum* (Pers.) Rostaf. in Fuckel, Jahrb. Nassauischen Vereins Naturk. 27-28: 74 (1873) [M. & A., 1969: 295]
- = *Diderma ochroleucum* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 52 (1873) [M. & A., 1969: 295]
- = *Physarum contextum* var. *splendens* Rostaf., Sluzowce Monogr.: 110 (1874)
- = *Diderma flavidum* Peck, Annual Rep. New York State Mus. 28: 54 (1876) [M. & A., 1969: 295]
- = *Physarum conglomeratum* Massee, Monogr. Myxogastr.: 304 (1892) [Nom. illeg., non *Ph. conglomeratum* (Fr.) Rostaf., 1874] [M. & A., 1969: 295]
- = *Physarum rostafinskii* Massee, Monogr. Myxogastr.: 301 (1892) [M. & A., 1969: 295]
- = *Physarum mucosum* Nann.-Bremek., Acta Bot. Neerl. 7: 782 (1958) [Neubert, Nowotny & Baumann, Myxomyceten 2: 225 (1995)]
- Physarum crateriforme** Petch, Ann. Roy. Bot Gard. (Peradeniya) 4: 304 (1909) [M. & A., 1969: 296]
- Physarum cremiluteum** Y. F. Chen & C. H. Liu in Liu & Chen, Taiwania 43(3): 186 (1998)
- Physarum daamsii** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 74(4): 363 (1971)
- Physarum decipiens** M. A. Curtis, Amer. J. Sci. Arts 6: 352 (1848) [M. & A., 1969: 296]
- ≡ *Badhamia decipiens* (M. A. Curtis) Berk., Grevillea 2: 66 (1873) [M. & A., 1969: 296]
- = *Physarum chrysotrichum* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 66 (1873) [M. & A., 1969: 296]
- [Cited by Berlese in Saccardo, Syll. Fung. 7: 333 (1888), as synonym of *Badhamia decipiens* (M. A. Curtis) Berk. There is no "*Ph. chrysotrichum* Massee," as cited in all three editions of Lister's Monogr. Mycetozoa]
- Badhamia chrysotricha* (Berk. & M. A. Curtis) Rostaf., Sluzowce Monogr. Suppl.: 4 (1876) [M. & A., 1969: 296]
- Physarum degawae** (Nann.-Bremek. & Y. Yamam.) Y. Yamam., Myxomycete Biota Japan: 433 (1998).
- ≡ *Physarum spumarioides* var. *degawae* Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch. 93(3): 275 (1990)
- Physarum dictyospermum** Lister & G. Lister, J. Bot. 43: 112 (1905) [M. & A., 1969: 297]
- Physarum dictyosporum** G. W. Martin, Brittonia 14: 183 (1962) [M. & A., 1969: 297]
- Physarum diderma** Rostaf., Sluzowce Monogr.: 110 (1874) [M. & A., 1969: 298]
- = *Physarum testaceum* Sturgis, Colorado Coll. Stud. Sci. Ser. 12: 18 (1907) [M. & A., 1969: 298]
- Physarum diderma* var. *testaceum* (Sturgis) Harling, Svensk Bot. Tidskr. 46: 51 (1952) [M. & A., 1969: 298]
- Physarum didermoides** (Pers.) Rostaf., Sluzowce Monogr.: 97 (1874) [M. & A., 1969: 298] [Rostafinski cited it as *Ph. didermoides* "(Ach.)" Rostaf.]
- ≡ *Spumaria didermoides* Pers., Syn. Meth. Fung.: 29 (1801) [M. & A., 1969: 298]
- Claustria didermoides* (Pers.) Fr., Summa Veg. Scand.: 451 (1849) [M. & A., 1969: 298]
- = *Diderma oblongum* Schumach., Enum. Pl. 2: 197 (1803) [M. & A., 1969: 298]

- = *Physarum atrum* Schwein., Trans. Amer. Philos. Soc. 4: 257 (1832) [M. & A., 1969: 298] [Nom. illeg., non *Ph. atrum* Fr., 1829]
- = *Didymium congestum* Berk. & Broome, Ann. Mag. Nat. Hist., ser. 2, 5: 365 (1850) [M. & A., 1969: 298]
- = *Physarum cinereum* subsp. *ovoideum* Sacc., Michelia 2: 334 (1881) [M. & A., 1969: 299]
- = *Physarum reticulatum* Berl. in Saccardo, Syll. Fung. 7: 350 (1888) [Nom. illeg., non *Ph. reticulatum* Alb. & Schwein., 1805] [M. & A., 1969: 299]
- =? *Badhamia pulcherrima* Speg., Bol. Acad. Nac. Ci. 11: 474 (1889) [Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 46 (1925), as a possible synonym]
- = *Physarum platense* Speg., Anales Mus. Nac. Hist. Nat. Buenos Aires 6: 199 (1899) [See Farr, Fl. Neotrop. 16: 173 (1976)]
- Physarum digitatum** G. Lister & Farquharson in Farquharson & Lister, J. Bot. 54: 128 (1916) [M. & A., 1969: 299]
- = *Physarum instratum* T. Macbr., N. Amer. Slime-Moulds, ed. 2: 62 (1922) [M. & A., 1969: 299]
- Physarum dispersum** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch. 93(3): 272 (1990)
- Physarum dubium** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 90(3): 330 (1987)
- Physarum echinosporum** Lister, J. Bot. 37: 147 (1899) [M. & A., 1969: 300]
- Physarum equatorisporum** Hooff & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch. 96(4): 411 (1993)
- Physarum famintzinii** Rostaf., Sluzowce Monogr.: 107 (1874) [M. & A., 1969: 300]
- = *Physarum gulielmae* Penz., Myxomyc. Fl. Buitenzorg: 34 (1898) [M. & A., 1969: 300]
- = *Physarum famintzinii* var. *sibiricum* Lavrov, Sporov. Rast. Srednei Azii Kazakhst.: 114 (1965)
- Physarum flavicomum** Berk., London J. Bot. 4: 66 (1845) [M. & A., 1969: 301]
- = *Didymium flavicomum* (Berk.) Masee, Monogr. Myxogastr.: 242 (1892) [M. & A., 1969: 301]
- = *Physarum cupripes* Berk. & Ravenel in Berkeley, Grevillea 2: 65 (1873) [M. & A., 1969: 301]
- = *Physarum berkeleyi* Rostaf., Sluzowce Monogr.: 105 (1875) [M. & A., 1969: 301]
- Physarum flavidum** (Peck) Peck, Annual Rep. New York State Mus. 31: 55 (1879) [M. & A., 1969: 301]
- = *Didymium flavidum* Peck, Annual Rep. New York State Mus. 28: 54 (1876) [M. & A., 1969: 301]
- Physarum flavidum* (Peck) Berl., Syll. Fung. 7: 350 (1888) [Comb. superfl., Berlese was evidently unaware that Peck had previously published the same combination, M. & A., 1969: 302]
- = *Physarum citrinellum* Peck, Annual Rep. New York State Mus. 31: 57 (1879) [M. & A., 1969: 301]
- Craterium citrinellum* (Peck) Lister, Monogr. Mycetozoa: 74 (1894) [M. & A., 1969: 301]
- Physarum florigerum** (Meyl.) Y. Yamam., Hikobia 11(4): 528 (1994)
- = *Physarum nutans* var. *florigerum* Meyl., Bull. Soc. Vaud. Sci. Nat. 58: 321 (1935)
- Physarum nucleatum* var. *florigerum* (Meyl.) Kowalski, Mycologia 67(3): 483 (1975)
- Physarum fulgens** Pat., Bull. Soc. Mycol. France 8: 122 (1892) [Farr, Fl. Neotrop. 16: 139 (1976)]
- Physarum galbeum** Wingate in Macbride, N. Amer. Slime-Moulds: 53 (1899) [M. & A., 1969: 302]
- Physarum gilkeyanum** H. C. Gilbert in Peck & Gilbert, Amer. J. Bot. 19: 133 (1932) [M. & A., 1969: 303]
- Physarum globuliferum** (Bull.) Pers., Syn. Meth. Fung.: 175 (1801) [M. & A., 1969: 303]
- = *Sphaerocarpus globuliferus* Bull., Hist. Champ. France: 134 (1791) [M. & A., 1969: 303] [Previously published by the same author in Herb. France, pl. 484 fig. 3 (1791), but the genus is not described, and the art. 42.1 of ICBN (descriptio generico-specifica) is not applicable]
- Stemonitis globulifera* (Bull.) J. F. Gmel., Syst. Nat. 2: 1469 (1792) [M. & A., 1969: 303]
- Trichia globulifera* (Bull.) Raeusch., Nomencl. Bot. 349 (1797) [M. & A., 1969: 303]
- Diderma globuliferum* (Bull.) Fr., Syst. Mycol. 3: 100 (1829) [M. & A., 1969: 303]
- Cytidium globuliferum* (Bull.) Morgan, J. Cincinnati Soc. Nat. Hist. 19: 10 (1896) [M. & A., 1969: 303]
- = *Didymium subroseum* Peck, Annual Rep. New York State Mus. 28: 54 (1876) [M. & A., 1969: 303]
- = *Physarum petersii* var. *farlowii* Rostaf., Sluzowce Monogr. Suppl.: 6 (1876) [M. & A., 1969: 303]
- = *Physarum albicans* Peck, Annual Rep. New York State Mus. 30: 50 (1878) [M. & A., 1969: 303]
- =? *Didymium longipes* Masee, Monogr. Myxogastr.: 237 (1892) [Cited in the Lister monograph as a possible synonym, M. & A., 1969: 304]
- = *Physarum columbinum* T. Macbr., Bull. Iowa Univ. Lab. Nat. Hist. 2: 384 (1893) [Nom. illeg., non *Ph. columbinum* Pers., 1795, nec *Ph. columbinum* (Rostaf.) Sturgis, 1916] [M. & A., 1969: 303]

- = *Physarum relatum* Morgan, J. Cincinnati Soc. Nat. Hist. 19: 26 (1896) [M. & A., 1969: 303]
- = *Physarum delicatissimum* Speg., Anales Mus. Nac. Hist. Nat. Buenos Aires 6: 199 (1899) [M. & A., 1969: 304]
- = *Physarum lilacinum* Sturgis & Bilgram in Sturgis, Mycologia 9(6): 324 (1917) [Nom. illeg., non *Ph. lilacinum* Fr., 1829]
Physarum globuliferum f. *lilacinum* Sturgis & Bilgram ex Y. Yamam., Myxomycete Biota Japan: 443 (1998) ["(Sturgis & Bilgram) Y. Yamam."] [See ICBN, art. 58.1]
Physarum bilgramii Hagelst., Mycologia 33(3): 306 (1941) [Nom. nov., based on *Ph. lilacinum* Sturgis & Bilgram, 1917, non *Ph. lilacinum* Fr., 1829]
- = *Physarum lilacinum* var. *coeruleum* G. Lister, Monogr. Mycetozoa, ed. 3: 30 (1925) [Petrak's list, 1952: 537]
- = *Physarum globuliferum* var. *confluens* Brândză, Bull. Soc. Mycol. France 44: 261 (1928) [Petrak's list, 1953: 577]
- Physarum gyrosus** Rostaf., Sluzowce Monogr.: 111 (1874) [M. & A., 1969: 304]
- ≡ *Fuligo gyrosa* (Rostaf.) E. Jahn, Ber. Deutsch. Bot. Ges. 20: 272 (1902) [M. & A., 1969: 304]
- = *Physarum cerebrinum* Massee, Monogr. Myxogastr.: 306 (1892) [M. & A., 1969: 304]
- Physarum hagiwarae** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 90(3): 331 (1987)
- Physarum hongkongense** Chao H. Chung, Slime Moulds Hong Kong: 19 (1997)
- Physarum javanicum** Racib., Hedwigia 37: 53 (1898) [M. & A., 1969: 305]
- ≡ *Physarella javanica* (Racib.) Torrend, Brotéria, Sér. Bot. 7: 114 (1908) [M. & A., 1969: 305]
- = *Physarum discoidale* T. Macbr., N. Amer. Slime-Moulds, ed. 2: 74 (1922) [M. & A., 1969: 305]
- Physarum laevisporum** Agnihothr., Sydowia 16: 121 (1963) [M. & A., 1969: 305]
- Physarum lakhampalii** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 90(3): 335 (1987)
- Physarum lateritium** (Berk. & Ravenel) Morgan, J. Cincinnati Soc. Nat. Hist. 19: 23 (1896) [M. & A., 1969: 306]
- ≡ *Didymium lateritium* Berk. & Ravenel in Berkeley, Grevillea 2: 65 (1873) [M. & A., 1969: 306]
Physarum ditmari var. *lateritium* (Berk. & Ravenel) Rostaf., Sluzowce Monogr. Suppl.: 9 (1876) [M. & A., 1969: 306]
- Physarum virescens* var. *lateritium* (Berk. & Broome) Berl. in Saccardo, Syll. Fung. 7: 342 (1888)
- = *Didymium croceo-flavum* Berk. & Broome, J. Linn. Soc., Bot. 14: 84 (1873) [M. & A., 1969: 306]
- Physarum ditmari* var. *croceo-flavum* (Berk. & Broome) Rostaf., Sluzowce Monogr. Suppl.: 9 (1876) [M. & A., 1969: 306]
- Physarum virescens* var. *croceo-flavum* (Berk. & Broome) Berl. in Saccardo, Syll. Fung. 7: 342 (1888)
- = *Physarum inaequale* Peck, Annual Rep. New York State Mus. 31: 40 (1879) [M. & A., 1969: 306]
- Physarum lenticulare** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 90(3): 337 (1987)
- Physarum leucophaeum** Fr., Symb. Gasteromyc.: 24 (1818) [M. & A., 1969: 306]
- ≡ *Tilmadoche leucophaeum* (Fr.) Fr., Summa Veg. Scand.: 454 (1849) [M. & A., 1969: 306]
- Physarum nutans* var. *leucophaeum* (Fr.) Lister, Monogr. Mycetozoa: 51 (1894) [M. & A., 1969: 307]
- = *Didymium terrestre* Fr. in Weinmann, Hymen. Gasteromyc.: 5: 74 (1836) [M. & A., 1969: 306]
- = *Physarum granulatum* Balf. f. in Cooke, Grevillea 10: 115 (1882) [M. & A., 1969: 306]
- = *Physarum imitans* Racib., Rozpr. Spraw. Posiedzen Wydz. Mat.-Przyr. Akad. Umiejtn 12: 73 (1884) [M. & A., 1969: 307]
- = *Physarum readeri* Massee, Monogr. Myxogastr.: 282 (1892) [M. & A., 1969: 307]
- = *Tilmadoche nephroidea* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 69 (1893) [M. & A., 1969: 307]
- = *Physarum nutans* var. *ovicarpum* Meyl., Bull. Soc. Bot. Genève 6: 87 (1914) [Kowalski, Mycologia 67(3): 483 (1975)]
- Physarum leucopus** Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 3: 27 (1809) [M. & A., 1969: 307]
- ≡ *Didymium leucopus* (Link) Fr., Syst. Mycol. 3: 121 (1829) [M. & A., 1969: 307]
- Didymium squamulosum* var. *leucopus* (Link) Rostaf., Sluzowce Monogr.: 160 (1874) [M. & A., 1969: 398]
- = *Physarum bullatum* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 3: 27 (1809) [M. & A., 1969: 307]
- Physarum licheniforme** (Schwein.) Lado, **comb. nov.** [Based on *Spumaria licheniformis* Schwein., 1832, this name has priority over *Physarum lividum* Rostaf., 1874, see ICBN, art. 11.4]

- ≡ *Spumaria licheniformis* Schwein., Trans. Amer. Philos. Soc. 4: 261 (1832)
- Physarum lividum* var. *licheniformis* (Schwein.) Rostaf., Sluzowce Monogr.: 96 (1874) [Nom. illeg.]
- = *Physarum conglobatum* Fr., Symb. Gasteromyc.: 3: 21 (1818) [Nom. illeg., non *Ph. conglobatum* Ditmar, 1814]
- Physarum lividum* var. *conglobatum* Fr. ex Rostaf., Sluzowce Monogr.: 96 (1874) [Nom. illeg.]
- = *Physarum lividum* Rostaf., Sluzowce Monogr.: 95 (1874)
- Physarum didermoides* var. *lividum* (Rostaf.) Lister, J. Bot. 36: 161 (1898) [M. & A., 1969: 299]
- Physarum loratum** Shuang L. Chen, Yu Li & H. Z. Li, Mycosystema 18(4): 345 (1999)
- Physarum luteolum** Peck, Annual Rep. New York State Mus. 30: 50 (1878) [M. & A., 1969: 309]
- Physarum luteonodum** Nann.-Bremek. & Finger, Proc. Kon. Ned. Akad. Wetensch., C 90(4): 457 (1987)
- Physarum megalosporum** T. Macbr., N. Amer. Slime-Moulds, ed. 2: 63 (1922) [M. & A., 1969: 309] [Nom. nov., based on *Ph. melanospermum* Sturgis, 1917, non *Ph. melanospermum* Pers., 1794. Macbride attributed the name to Sturgis]
- = *Physarum melanospermum* Sturgis, Mycologia 9(6): 323 (1917) [Nom. illeg., non *Ph. melanospermum* Pers., 1794] [M. & A., 1969: 309]
- Physarum melleum** (Berk. & Broome) Massee, Monogr. Myxogastr.: 278 (1892) [M. & A., 1969: 310]
- ≡ *Didymium melleum* Berk. & Broome, J. Linn. Soc., Bot. 14: 83 (1873) [M. & A., 1969: 310]
- Physarum schumacheri* var. *melleum* (Berk. & Broome) Rostaf., Sluzowce Monogr. Suppl.: 7 (1876) [M. & A., 1969: 310]
- Cytidium melleum* (Berk. & Broome) Morgan, J. Cincinnati Soc. Nat. Hist. 19: 11 (1896) [M. & A., 1969: 310]
- = *Didymium chrysopleum* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 53 (1873) [M. & A., 1969: 310]
- = *Physarum kalchbrenneri* Massee, Monogr. Myxogastr.: 297 (1892) [M. & A., 1969: 310]
- = *Physarum rubropunctatum* Pat., Bull. Soc. Mycol. France 9: 143 (1893) [M. & A., 1969: 310]
- = *Physarum tucumanense* Speg., Revista Fac. Agron. Univ. Nac. La Plata 2(18): 237 (1896) [M. & A., 1969: 310]
- = *Physarum melleum* f. *luteum* Y. Yamam., Myxomycete Biota Japan: 454 (1998)
- Physarum mennegae** Nann.-Bremek., Acta Bot. Neerl. 10: 54 (1961) [M. & A., 1969: 310]
- Physarum miniatum** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 92(4): 513 (1989)
- Physarum mortonii** T. Macbr., N. Amer. Slime-Moulds, ed. 2: 58 (1922) ["mortoni"] [M. & A., 1969: 311]
- ≡ *Physarum contextum* var. *mortonii* (T. Macbr.) G. Lister in Lister, Monogr. Mycetoza, ed. 3: 60 (1925) [M. & A., 1969: 311]
- Physarum murinum** Lister, Monogr. Mycetoza: 41 (1894) [M. & A., 1969: 312]
- = *Cytidium ravenelii* Morgan, J. Cincinnati Soc. Nat. Hist. 19: 10 (1896) [M. & A., 1969: 312]
- Physarum ravenelii* (Morgan) T. Macbr., N. Amer. Slime-Moulds: 48 (1899) [Nom. illeg., non *Ph. ravenelii* (Berk. & M. A. Curtis) Massee, 1892] [M. & A., 1969: 312]
- = *Physarum heterosporum* Widdier, Verh. Zool.-Bot. Ges. Wien 73: 159 (1923) [M. & A., 1969: 312]
- Physarum mutabile** (Rostaf.) G. Lister in Lister, Monogr. Mycetoza, ed. 2: 53 (1911) [M. & A., 1969: 313]
- ≡ *Crateriachea mutabilis* Rostaf., Sluzowce Monogr.: 126 (1874) [M. & A., 1969: 313]
- = *Didymium neapolitanum* Ces. in Rabenhorst-Winter, Fungi Eur., editio nova, ser. secunda No. 2675 (1881) [M. & A., 1969: 313]
- = *Physarum crateriachea* Lister, Monogr. Mycetoza: 20 (1894) [M. & A., 1969: 313]
- Physarum myricanum** Y. Yamam., Bull. Natl. Sci. Mus., Tokyo, B 26(3): 118 (2000)
- Physarum nasuense** Emoto, Bot. Mag. (Tokyo) 45: 552 (1931) [M. & A., 1969: 313] [Also published by the same author in Myxomycetes of Japan: 194 (1977)]
- Physarum newtonii** T. Macbr., Bull. Iowa Univ. Lab. Nat. Hist. 2: 390 (1893) [M. & A., 1969: 314]
- Physarum nicaraguense** T. Macbr., Bull. Iowa Univ. Lab. Nat. Hist. 2: 382 (1893) [M. & A., 1969: 314]
- =? *Didymium echinospora* Massee, Monogr. Myxogastr.: 239 (1892) [A. Lister's statement—Monogr. Mycetoza: 54 (1894)—that it is the same species, does not clarify the confusion, M. & A., 1969: 315]
- Physarum nigripodum** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 90(3): 340 (1987)
- Physarum nitens** (Lister) Ing, Trans. Brit. Mycol. Soc. 78(3): 444 (1982)
- ≡ *Physarum virescens* var. *nitens* Lister, Monogr. Mycetoza: 59 (1894)
- Physarum notabile** T. Macbr., N. Amer. Slime-Moulds, ed. 2: 80 (1922) [Nom. nov., based on *Didymium connatum*

- Peck, 1874, non *Ph. connatum* Schumach., 1803, nec *Ph. connatum* Ditmar, 1816] [M. & A., 1969: 315]
- ≡ *Didymium connatum* Peck, Annual Rep. New York State Mus. 26: 74 (1874) [M. & A., 1969: 315]
- Physarum connatum* (Peck) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 71 (1911) [Nom. illeg., non *Ph. connatum* Schum., 1803, nec *Ph. connatum* Ditmar, 1816] [M. & A., 1969: 315]
- Physarum nucleatum** Rex, Proc. Acad. Nat. Sci. Philadelphia 43: 389 (1891) [M. & A., 1969: 316]
- ≡? *Physarum simile* Rostaf., Sluzowce Monogr. Suppl.: 6 (1876) [M. & A., 1969: 316] [Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 44 (1925), as a possible synonym. If it is true, this name has priority over *Ph. nucleatum* Rex]
- = *Physarum nucleatum* var. *robustum* G. Lister, J. Bot. 64: 226 (1926) [Petrak's list, 1952: 537]
- = *Physarum pendulum* Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch. 93(3): 273 (1990) [Yamamoto, Myxomycete Biota Japan: 462 (1998)]
- Physarum nudum** T. Macbr. in Peck & Gilbert, Amer. J. Bot. 19: 134 (1932) [M. & A., 1969: 316]
- Physarum oblatum** T. Macbr., Bull. Iowa Univ. Lab. Nat. Hist. 2: 384 (1893) [M. & A., 1969: 318]
- = *Craterium maydis* Morgan, J. Cincinnati Soc. Nat. Hist. 19: 15 (1896) [M. & A., 1969: 318]
- Physarum maydis* (Morgan) Torrend, Brotéria, Sér. Bot. 7: 133 (1908) [M. & A., 1969: 318]
- Physarum obpyriforme** C. H. Liu & Y. F. Chen, Taiwaniana 43(3): 186 (1998)
- Physarum obscurum** (Lister) Ing, Trans. Brit. Mycol. Soc. 78(3): 445 (1982)
- ≡ *Physarum virescens* var. *obscurum* Lister, Monogr. Mycetozoa: 59 (1894)
- Physarum ovisporum** G. Lister, J. Bot. 59: 90 (1921) [M. & A., 1969: 319]
- Physarum penetrale** Rex, Proc. Acad. Nat. Sci. Philadelphia 43: 389 (1891) [M. & A., 1969: 320]
- ≡ *Cytidium penetrale* (Rex) Morgan, J. Cincinnati Soc. Nat. Hist. 19: 11 (1896) [M. & A., 1969: 320]
- Physarum perfectum** M. Peck in Peck & Gilbert, Amer. J. Bot. 19: 134 (1932) [M. & A., 1969: 321]
- Physarum permegalosporum** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch. 93(3): 274 (1990)
- Physarum pezizoideum** (Jungh.) Pavill. & Lagarde, Bull. Soc. Mycol. France 19: 87 (1903) [M. & A., 1969: 321]
- ≡ *Trichamphora pezizoidea* Jungh., Praem. Fl. Crypt. Java: 12 (1838) [M. & A., 1969: 321]
- Chondrioderma pezizoides* (Jungh.) Rostaf., Sluzowce Monogr.: 424 (1875) [M. & A., 1969: 321]
- Didymium pezizoideum* (Jungh.) Massee, Monogr. Myxogastr.: 239 (1892) [M. & A., 1969: 321]
- Badhamia pezizoidea* (Jungh.) Buchet, Bull. Soc. Mycol. France 55: 116 (1939) [M. & A., 1969: 321]
- = *Didymium zeylanicum* Berk., Hooker's J. Bot. Kew Gard. Misc. 6: 230 (1854) [M. & A., 1969: 321]
- Chondrioderma zeylanicum* (Berk.) Rostaf., Sluzowce Monogr. Suppl.: 15 (1876) [M. & A., 1969: 321]
- = *Trichamphora fuckeliana* Rostaf. in Fuckel, Jahrb. Nassauischen Vereins Naturk. 27-28: 71 (1873) [M. & A., 1969: 321]
- Badhamia fuckeliana* (Rostaf.) Rostaf., Sluzowce Monogr. Suppl.: 2 (1876) [M. & A., 1969: 321]
- = *Trichamphora fuckeliana* var. *gracilis* Rostaf., Sluzowce Monogr.: 138 (1874)
- Badhamia fuckeliana* f. *gracilis* (Rostaf.) Berl. in Saccardo, Syll. Fung. 7: 331 (1888)
- = *Chondrioderma berkeleyanum* Rostaf., Sluzowce Monogr. Suppl.: 16 (1876) [M. & A., 1969: 321]
- = *Chondrioderma muelleri* Rostaf., Sluzowce Monogr. Suppl.: 15 (1876) [M. & A., 1969: 321]
- = *Didymium australe* Massee in Cooke, Grevillea 17: 7 (1888) [Nom. illeg., non *Ph. australe* Berk., 1855] [M. & A., 1969: 321]
- = *Didymium parasiticum* Sacc. & Syd. in Saccardo, Syll. Fung. 14: 836 (1899) [M. & A., 1969: 321]
- = *Physarum pezizoideum* var. *microsporum* M. L. Farr, Brittonia 16: 340 (1964) [M. & A., 1969: 322]
- Physarum plicatum** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch. 93(3): 284 (1990)
- Physarum polycephalum** Schwein., Schriften Naturf. Ges. Leipzig 1: 63 (1822) [M. & A., 1969: 322]
- ≡ *Didymium polycephalum* (Schwein.) Fr., Syst. Mycol. 3: 122 (1829) [M. & A., 1969: 322]
- Tilmadoche polycephala* (Schwein.) T. Macbr., N. Amer. Slime-Moulds: 57 (1899) [M. & A., 1969: 322]
- = *Didymium gyrocephalum* Mont., Ann. Sci. Nat. Bot., sér. 2, 8: 362 (1837) [M. & A., 1969: 322]
- Tilmadoche gyrocephala* (Mont.) Rostaf., Sluzowce Monogr.: 131 (1874) [M. & A., 1969: 322]
- = *Didymium polymorphum* Mont., Ann. Sci. Nat. Bot., sér. 2, 8: 361 (1837) [M. & A., 1969: 322]
- Physarum polymorphum* (Mont.) Rostaf., Sluzowce Monogr.: 107 (1874) [M. & A., 1969: 322]
- = *Didymium obrusseum* Berk. & M. A. Curtis in Berkeley, J. Linn. Soc., Bot. 10: 348 (1868) [M. & A., 1969: 322]

- Physarum obrussum* (Berk. & M. A. Curtis) Rostaf., Sluzowce Monogr. Suppl.: 11 (1876) [M. & A., 1969: 322]
- Physarum polycephalum* var. *obrussum* (Berk. & M. A. Curtis) Lister, Monogr. Mycetozoa: 48 (1894) [M. & A., 1969: 323]
- = *Didymium tenerrimum* Berk. & M. A. Curtis in Berkeley, J. Linn. Soc., Bot. 10: 348 (1868) [M. & A., 1969: 322]
- = *Didymium luteo-griseum* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 65 (1873) [M. & A., 1969: 322]
- = *Physarum multiplex* Peck, Bull. Torrey Bot. Club 11: 50 (1884) [M. & A., 1969: 322]
- Physarum pseudodiderma** Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 90(3): 342 (1987)
- Physarum psittacinum** Ditmar in Sturm, Deutschl. Fl. Pilze 1(4): 125 (1817) [M. & A., 1969: 323]
- = *Physarum psittacinum* var. *chlorantum* Fr., Syst. Mycol. 3: 134 (1829)
- = *Physarum psittacinum* var. *intermedium* Rostaf., Sluzowce Monogr. Suppl.: 8 (1876)
- = *Physarum carlylei* Masee in Cooke, Grevillea 17: 56 (1889) [M. & A., 1969: 323]
- = *Physarum psittacinum* var. *fulvum* Lister & G. Lister, J. Bot. 44: 228 (1906) [M. & A., 1969: 323]
- Physarum psittacinum* f. *fulvum* (Lister & G. Lister) Y. Yamam., Myxomycete Biota Japan: 475 (1998)
- Physarum pulcherrimum** Berk. & Ravenel in Berkeley, Grevillea 2: 65 (1873) [M. & A., 1969: 324]
- = *Cytidium pulcherrimum* (Berk. & Ravenel) Morgan, J. Cincinnati Soc. Nat. Hist. 19: 8 (1896) [M. & A., 1969: 324]
- = *Stemonitis porphyra* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 69 (1873) [M. & A., 1969: 324]
- = *Physarum atrorubrum* Peck, Annual Rep. New York State Mus. 31: 40 (1879) [M. & A., 1969: 324]
- Physarum pulcherripes** Peck, Bull. Buffalo Soc. Nat. Sci. 1: 64 (1873) [Jul. 1873] [M. & A., 1969: 324]
- =? *Physarum aurantium* var. *rufipes* Alb. & Schwein, Consp. Fung. Lusat.: 94 (1805) [May be this species, M. & A. (1969: 324). In this case, *Ph. rufipes* (Alb. & Schwein.) T. Macbr. would have priority over *Ph. pulcherripes* Peck]
- Cytidium rufipes* (Alb. & Schwein.) Morgan, J. Cincinnati Soc. Nat. Hist. 19: 9 (1896) [M. & A., 1969: 324]
- Physarum rufipes* (Alb. & Schwein.) T. Macbr., N. Amer. Slime-Moulds: 50 (1899)
- Physarum schumacheri* var. *rufipes* (Alb. & Schwein.) Rostaf., Sluzowce Monogr.: 99 (1874) [M. & A., 1969: 324]
- = *Didymium erythrinum* Berk., Grevillea 2: 52 (1873) [Oct. 1873] [M. & A., 1969: 324]
- = *Didymium ravenelii* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 53 (1873) [Oct. 1873] ["ravenalii"] [M. & A., 1969: 324]
- Physarum psittacinum* var. *ravenelii* (Berk. & M. A. Curtis) Rostaf., Sluzowce Monogr. Suppl.: 8 (1876) ["ravenalii"] [M. & A., 1969: 324]
- Physarum ravenelii* (Berk. & M. A. Curtis) Masee, Monogr. Myxogastr.: 281 (1892) [non *Ph. ravenelii* (Morgan) T. Macbr., 1899] [M. & A., 1969: 324]
- Physarum murinum* var. *ravenelii* (Berk. & M. A. Curtis) Torrend, Brotéria, Sér. Bot. 7: 125 (1908)
- = *Physarum petersii* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 66 (1873) [Oct. 1873] [M. & A., 1969: 324]
- = *Physarum schumacheri* var. *aurantiacum* Rostaf., Sluzowce Monogr.: 99 (1874)
- = *Physarum petersii* var. *intermedium* Rostaf., Sluzowce Monogr. Suppl.: 6 (1876)
- = *Physarum leveillei* var. *fuistingii* Rostaf., Sluzowce Monogr. Suppl.: 7 (1876)
- = *Physarum pulcherripes* var. *sulcatipes* M. L. Farr, Nova Hedwigia 31(1-3): 111 (1979)
- Physarum puniceum** Emoto, Bot. Mag. (Tokyo) 45: 229 (1931) [Also published by the same author in Myxomycetes of Japan: 194 (1977). Omitted in M. & A.] [Neubert, Nowotny & Baumann, Myxomyceten 2: 322 (1995)]
- Physarum pusillope** D. W. Mitch. & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 80(4): 310 (1977)
- Physarum pusillum** (Berk. & M. A. Curtis) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 64 (1911) [M. & A., 1969: 325]
- = *Didymium pusillum* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 53 (1873) [M. & A., 1969: 325]
- = *Badhamia nodulosa* Masee, J. Mycol. 5: 186 (1889) [M. & A., 1969: 325]
- Craterium nodulosum* (Masee) Morgan, J. Cincinnati Soc. Nat. Hist. 19: 15 (1896) [M. & A., 1969: 325]
- Physarum nodulosum* (Masee) T. Macbr., N. Amer. Slime-Moulds: 51 (1899) [M. & A., 1969: 325]
- = *Physarum calidris* Lister, J. Bot. 29: 258 (1891) [M. & A., 1969: 325]
- = *Physarum gravidum* Morgan, J. Cincinnati Soc. Nat. Hist. 19: 24 (1896) [M. & A., 1969: 325]
- = *Physarum mucoroides* Schilb., Beih. Bot. Centralbl. 66: 84 (1896) [M. & A., 1969: 325]
- Physarum rayssiae** Ramon, Israel J. Bot. 17(4): 209 (1969) ["1968"]

- Physarum reniforme** (Masse) G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 72 (1911)
- ≡ *Tilmadoche reniformis* Masse, Monogr. Myxogastr.: 337 (1892) [Neubert, Nowotny & Baumann, Myxomyceten 2: 322 (1995)] [According to M. & A., 1969: 315 “apparently his type was a mixture of two species”]
- Physarum retisporum** G. W. Martin, K. S. Thind & Rehill, Mycologia 51(2): 159 (1959) [M. & A., 1969: 326]
- ≡ *Physarum durjoylingum* Lodhi, Indian Slime-Moulds: (Myxomycetes). Publ. Univ. Panjab, Bot., 3: 7 (1934) [May be this species, M. & A. (1969: 326). In this case, this name would have priority over *Ph. retisporum* G. W. Martin, K. S. Thind & Rehill]
- Physarum rigidum** (G. Lister) G. Lister in Lister, Monogr. Mycetozoa, ed. 3: 36 (1925) [M. & A., 1969: 327]
- ≡ *Physarum viride* var. *rigidum* G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 56 (1911) [M. & A., 1969: 327]
- Physarum robustum** (Lister) Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 76(5): 484 (1973)
- ≡ *Physarum nutans* var. *robustum* Lister, Monogr. Mycetozoa: 51 (1894) [M. & A., 1969: 318]
- = *Physarum robustum* var. *coeruleum* Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 76(5): 485 (1973).
- Physarum roseum** Berk. & Broome, J. Linn. Soc., Bot. 14: 84 (1873) [M. & A., 1969: 327]
- = *Physarum roseum* var. *discocephalum* Yamash., J. Sci. Hiroshima Univ., Ser. B, Div. 2, Bot. 3: 29 (1936) [M. & A., 1969: 327]
- = *Physarum roseum* var. *racemosum* Yamash., J. Sci. Hiroshima Univ., Ser. B, Div. 2, Bot. 2, 3: 30 (1936) [M. & A., 1969: 328]
- Physarum rubiginosum** Fr., Symb. Gasteromyc.: 21 (1817) [non *Ph. rubiginosum* Chevall., 1826, nec *Ph. rubiginosum* Berk., 1836] [M. & A., 1969: 328]
- ≡ *Leangium rubiginosum* (Fr.) Fr., Stirp. Agri Femsion.: 83 (1825) [M. & A., 1969: 328]
- = *Physarum fulvum* Fr., Syst. Mycol. 3: 143 (1829) [non *Ph. fulvum* (T. Macbr.) G. Lister, 1911] [M. & A., 1969: 328]
- = *Physarum rubiginosum* var. *auriscalpium* Cooke, Cited by Saccardo, Syll. Fung. 18: 210, 1906
- Physarum schroeteri** Rostaf., Sluzowce Monogr.: 419 (1875) [This name has priority over *Ph. listeri* T. Macbr., 1934, see Krzemieniewska, Sluzowce Polsk.: 96 (1960)]
- = *Physarum luteoalbum* Lister & G. Lister, J. Bot. 42: 130 (1904) [“luteo-album”] [Nom. illeg., non *Ph. luteoalbum* Schumach., 1803] [M. & A., 1969: 308]
- Physarum listeri* T. Macbr. in Macbride & Martin, Myxomycetes: 62 (1934) [Nom. nov., based on *Ph. luteoalbum* Lister & G. Lister, 1904, non *Ph. luteoalbum* Schumach., 1803] [M. & A., 1969: 308]
- Diderma luteoalbum* Lister & G. Lister ex Buchet, Bull. Soc. Mycol. France 56: 127 (1941) [“1940”] [“luteo-album”] [M. & A., 1969: 308]
- Physarum scoticum** Ing, Trans. Brit. Mycol. Soc. 78(3): 442 (1982)
- Physarum serpula** Morgan, J. Cincinnati Soc. Nat. Hist. 19: 29 (1896) [M. & A., 1969: 329]
- Physarum sessile** Brândză, Ann. Sci. Univ. Jassy 11: 116 (1921) [M. & A., 1969: 329]
- Physarum simplex** M. Peck in Peck & Gilbert, Amer. J. Bot. 19(2): 136 (1932) [Omitted in M. & A., 1969]
- Physarum spectabile** Nann.-Bremek., Lado & G. Moreno, Proc. Kon. Ned. Akad. Wetensch., C 87(1): 91 (1984)
- Physarum stellatum** (Masse) G. W. Martin, Mycologia 39(4): 461 (1947) [M. & A., 1969: 330]
- ≡ *Lepidoderma stellatum* Masse in Cooke, Grevillea 17: 60 (1889) [M. & A., 1969: 331; Kowalski, Mycologia 63(3): 514 (1971)]
- = *Tilmadoche columbina* Rostaf., Sluzowce Monogr. Suppl.: 13 (1876) [M. & A., 1969: 330]
- Physarum columbinum* (Rostaf.) Sturgis, Mycologia 8(4): 201 (1916) [Nom. illeg., non *Ph. columbinum* Pers., 1795, nec *Ph. columbinum* T. Macbr., 1893] [M. & A., 1969: 331]
- = *Tilmadoche compacta* Wingate, Proc. Acad. Nat. Sci. Philadelphia 41: 48 (1889) [M. & A., 1969: 330]
- Physarum compactum* (Wingate) Lister, Monogr. Mycetozoa: 44 (1894) [Nom. illeg., non *Ph. compactum* Ehrenb., 1818] [M. & A., 1969: 331]
- = *Didymium barteri* Masse, Monogr. Myxogastr.: 231 (1892) [M. & A., 1969: 331]
- = *Physarum wingatense* T. Macbr., N. Amer. Slime-Moulds, ed. 2: 72 (1922) [M. & A., 1969: 331]
- Physarum straminipes** Lister, J. Bot. 36: 163 (1898) [M. & A., 1969: 331]
- Physarum styriacum** Gottsb., Nova Hedwigia 12: 245 (1966) [Neubert, Nowotny & Baumann, Myxomyceten 2: 302 (1995)]
- Physarum subnutans** Y. Yamam., Bull. Natl. Sci. Mus., Tokyo, B 26(3): 119 (2000)
- Physarum sulphureum** Alb. & Schwein., Consp. Fung. Lusat.: 93 (1805) [M. & A., 1969: 332]
- = *Physarum flavum* Fr., Symb. Gasteromyc.: 22 (1818) [M. & A., 1969: 332]

- Craterium flavum* (Fr.) Fr., Summa Veg. Scand.: 454 (1849) [M. & A., 1969: 332]
- = *Physarum lepidodermoides* A. Blytt, Forh. Vidensk.-Selsk. Kristiania 1892(2): 4 (1892) [M. & A., 1969: 332]
- = *Physarum variabile* Rex, Proc. Acad. Nat. Sci. Philadelphia 45: 371 (1893) [M. & A., 1969: 332]
- Physarum superbum** Hagelst., Mycologia 32(3): 385 (1940) [Nom. nov., based on *Ph. aureum* Brândză, 1929, non *Ph. aureum* Pers., 1794] [M. & A., 1969: 332]
- = *Physarum aureum* Brândză, Bull. Soc. Mycol. France 44: 261 (1929) [Nom. illeg., non *Ph. aureum* Pers., 1794] [M. & A., 1969: 332]
- Physarum synsporum** S. L. Stephenson & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch. 93(2): 193 (1990) [The number 2369 of the holotype refers to the collection number of S. L. Stephenson, which was sent to Nannenga-Bremekamp and so is probably deposited at BR (Stephenson, in litt.), see ICBN, art. 37.6]
- Physarum taiwanianum** Chao H. Chung & C. H. Liu, Taiwaniana 41(2): 92 (1996)
- Physarum tenerum** Rex, Proc. Acad. Nat. Sci. Philadelphia 42: 192 (1890) [M. & A., 1969: 333]
- = *Physarum maculatum* T. Macbr., Bull. Iowa Univ. Lab. Nat. Hist. 2: 383 (1893) [M. & A., 1969: 333]
- Physarum tessellatum** G. W. Martin & M. L. Farr in Farr, Lloydia 22(4): 300 (1960) ["1959"] [M. & A., 1969: 334]
- = *Physarum spinulosum* K. S. Thind & H. S. Sehgal, Mycologia 56(4): 561 (1964) [Farr, Int. J. Mycol. Lichenol. 3: 203 (1988)]
- Physarum tropicale** T. Macbr., N. Amer. Slime-Moulds: 45 (1899) [M. & A., 1969: 334]
- Physarum umbiliciferum** Y. Yamam. & Nann.-Bremek. in Nannenga-Bremekamp & Yamamoto, Proc. Kon. Ned. Akad. Wetensch. 93(3): 276 (1990)
- Physarum urna** H. Singh & Pushpav. in Singh, Pushpavathy & Sethi, Proc. Indian Natl. Sci. Acad., B 45(4): 377 (1979) ["urne"]
- Physarum variegatum** K. S. Thind & Dhillon, Mycologia 59(3): 464 (1967) [M. & A., 1969: 335]
- Physarum vermiforme** Y. Yamam., Bull. Natl. Sci. Mus., Tokyo, B 26(3): 121 (2000)
- Physarum vernum** Sommerf. in Fries, Syst. Mycol. 3: 146 (1829) [M. & A., 1969: 336]
- = *Badhamia verna* (Sommerf.) Rostaf., Sluzowce Monogr.: 145 (1874) [M. & A., 1969: 336]
- = *Physarum vernum* f. *badhamioides* Meyl., Bull. Soc. Vaud. Sci. Nat. 50: 5 (1914)
- = *Physarum vernum* var. *iridescent* G. Lister, Guide Brit. Mycetozoa, ed. 4.: 25 (1919) [M. & A., 1969: 336]
- = *Badhamia panicea* var. *nivalis* Meyl., Bull. Soc. Vaud. Sci. Nat. 56: 66 (1925) [Kowalski, Mycologia 67(3): 482 (1975)]
- Physarum virescens** Ditmar in Sturm, Deutschl. Fl. Pilze 1(4): 123 (1817) [M. & A., 1969: 336]
- = *Physarum ditmarii* var. *virescens* (Ditmar) Rostaf., Sluzowce Monogr. Suppl.: 9 (1876)
- = *Physarum thejoteum* Fr., Symb. Gasteromyc.: 21 (1818) [M. & A., 1969: 336]
- Physarum virescens* var. *thejoteum* (Fr.) Torrend, Brotéria, Sér. Bot. 7: 122 (1908)
- = *Physarum caespitosum* Schwein., Trans. Amer. Philos. Soc. 4: 258 (1832) [non *Ph. caespitosum* Peck, 1874] [M. & A., 1969: 336]
- = *Didymium nectriaeforme* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 65 (1873) [M. & A., 1969: 336]
- = *Physarum ditmari* Rostaf., Sluzowce Monogr. Suppl.: 8 (1876) [M. & A., 1969: 336]
- = *Didymium sinapium* Cooke, Contr. Mycol. Brit.: 33 (1877) [M. & A., 1969: 337]
- Physarum viride** (Bull.) Pers., Ann. Bot. (Usteri) 15: 6 (1795) [M. & A., 1969: 337]
- = *Sphaerocarpus viridis* Bull., Hist. Champ. France: 135 (1791) [M. & A., 1969: 337] [Previously published by the same author in Herb. France, pl. 407 fig. 1 (1789), but the genus is not described, and the art. 42.1 of ICBN (descriptio generico-specifica) is not applicable]
- Stemonitis viridis* (Bull.) J. F. Gmel., Syst. Nat. 2: 1469 (1792) [M. & A., 1969: 337]
- Trichia viridis* (Bull.) Raeusch., Nomencl. Bot.: 349 (1797) [M. & A., 1969: 337]
- Physarum nutans* var. *viride* (Bull.) Fr., Syst. Mycol. 3: 129 (1829) [M. & A., 1969: 337]
- Tilmadoche viridis* (Bull.) Sacc., Michelia 2: 263 (1881) [M. & A., 1969: 337]
- = *Sphaerocarpus aurantius* Bull., Hist. Champ. France: 133 (1791) [M. & A., 1969: 337] [Previously published by the same author in Herb. France, pl. 484 fig. 2 (1791), but the genus is not described, and the art. 42.1 of ICBN (descriptio generico-specifica) is not applicable]
- Stemonitis aurantia* (Bull.) J. F. Gmel., Syst. Nat. 2: 1469 (1792) [M. & A., 1969: 337]
- Trichia aurantia* (Bull.) Raeusch., Nomencl. Bot. 349 (1797) [M. & A., 1969: 337]
- Physarum aurantium* (Bull.) Pers., Syn. Meth. Fung.: 173 (1801) [M. & A., 1969: 337]
- Tilmadoche mutabilis* var. *aurantiaca* (Bull.) Rostaf., Sluzowce Monogr.: 131 (1874)

- Physarum viride* var. *aurantium* (Bull.) Lister, Monogr. Mycetozoa: 47 (1894) [M. & A., 1969: 338]
- Physarum viride* f. *aurantium* (Bull.) Y. Yamam., Myxomycete Biota Japan: 495 (1998)
- = *Sphaerocarpus luteus* Bull., Hist. Champ. France: 136 (1791) [M. & A., 1969: 337] [Previously published by the same author in Herb. France, pl. 407 fig. 2 (1789), but the genus is not described, and the art. 42.1 of ICBN (descriptio generico-specifica) is not applicable]
- Physarum luteum* (Bull.) Pers., Syn. Meth. Fung.: 172 (1801) [M. & A., 1969: 337]
- Trichia lutea* (Bull.) DC. in Lamarck & de Candolle, Fl. Franç., ed. 3, 2: 255 (1805) [Nom. illeg., non *T. lulea* Trent., 1797] [M. & A., 1969: 337]
- Tilmadoche mutabilis* var. *lutea* (Bull.) Rostaf., Sluzowce Monogr.: 130 (1874) [Nom. illeg.]
- Physarum viridis* var. *lutea* (Bull.) Berl. in Saccardo, Syll. Fung. 7: 360 (1888)
- = *Stemonitis bicolor* J. F. Gmel., Syst. Nat. 2: 1469 (1792) [M. & A., 1969: 337]
- = *Physarum aureum* Pers., Neues Mag. Bot. 1: 85 (1794) [non *Ph. aureum* Brândză, 1929] [M. & A., 1969: 337]
- Physarum nutans* var. *aureum* (Pers.) Fr., Syst. Mycol. 3: 129 (1829) [M. & A., 1969: 337]
- = *Physarum viride* var. *luteo-virens* Alb. & Schwein., Consp. Fung. Lusat.: 94 (1805)
- Physarum nutans* var. *luteo-virens* (Alb. & Schwein.) Rabenh., Deutschl. Krypt.-Fl. 2: 268 (1844)
- = *Physarum nutans* var. *coccineum* Fr., Syst. Mycol. 3: 129 (1829) [M. & A., 1969: 337]
- = *Tilmadoche mutabilis* Rostaf., Sluzowce Monogr.: 129 (1874) [M. & A., 1969: 337]
- = *Tilmadoche mutabilis* var. *irregularis* Racib., Rozpr. Spraw. Posiedzen Wydz. Mat.-Przyr. Akad. Umiejtn 12: 74 (1884)
- = *Chondrioderma exiguum* Racib., Hedwigia 28: 119 (1889) [M. & A., 1969: 337]
- = *Physarum viride* var. *incanum* Lister, Monogr. Mycetozoa: 47 (1894) [M. & A., 1969: 338]
- Physarum viride* f. *incanum* (Lister) Y. Yamam., Myxomycete Biota Japan: 496 (1998)
- = *Physarum viride* var. *hinnuleum* G. Lister, J. Bot. 52: 17 (1924) [M. & A., 1969: 338]
- Physarum xanthinum** Nann.-Bremek. & Döbbeler in Döbbeler & Remler, Mitt. Naturwiss. Vereines Steiermark 106: 138 (1976)
- Physarum xylophilum** Shuang L. Chen & Yu Li, Mycosystema 17(4): 291 (1998)
- PROTOPHYSARUM** M. Blackw. & Alexop., Mycologia 67(1): 33 (1975)
- Protophysarum phloiogenum** M. Blackw. & Alexop., Mycologia 67(1): 33 (1975)
- PROTOTRICHIA** Rostaf., Sluzowce Monogr. Suppl.: 38 (1876) [M. & A., 1969: 144]
- Prototrichia metallica** (Berk.) Massee, J. Roy. Microscop. Soc. London 1889: 350 (1889) [M. & A., 1969: 145]
- = *Trichia metallica* Berk. in Hooker, Fl. Tasman. 2(9): 268 (1859) ["1860"] [M. & A., 1969: 145]
- = *Trichia flagellifer* Berk. & Broome, Ann. Mag. Nat. Hist., ser. 3, 18: 56 (1866) [M. & A., 1969: 145]
- Prototrichia flagellifer* (Berk. & Broome) Rostaf., Sluzowce Monogr. Suppl.: 38 (1876) [M. & A., 1969: 145]
- = *Prototrichia elegantula* Rostaf., Sluzowce Monogr. Suppl.: 39 (1876) [M. & A., 1969: 145]
- = *Prototrichia cuprea* Massee, J. Roy. Microscop. Soc. London 1889: 351 (1889) [M. & A., 1969: 145]
- = *Prototrichia chamaeleontina* Massee, Monogr. Myxogastr.: 130 (1892) [M. & A., 1969: 145]
- = *Prototrichia schroeteri* Meyl., Bull. Soc. Vaud. Sci. Nat. 53: 462 (1921) [M. & A., 1969: 145; Kowalski, Mycologia, 67(3): 458 (1975)]
- RETICULARIA** Bull., Herb. France, pl. 326 (1787-88) [non *Reticularia* Baumg., Fl. Lips.: 139, 569-570 (1790). For the nomenclatural status of *Reticularia* see Lado, Pando & Rico, Taxon 47: 109-111 (1998). To resolve the confusion over the priority of this name Lado & Pando, Taxon 47: 453 (1998), have proposed to conserve the name *Reticularia* Bull. with a conserved type. This proposal has just been accepted by the Committee for Fungi and Lichens of the IAPT, see Gams, Taxon 50: 270 (2001) and <http://www.cbs.knaw.nl/Research/Prop47.html>]
- = *Strongylium* Ditmar, Neues J. Bot. 3: 55 (1809)
- = *Enteridium* Ehrenb., Jahrb. Gewächsk. 1 (2): 55 (1819) [M. & A., 1969: 66]
- = *Licaethalium* Rostaf., Vers. Syst. Mycetozen: 4 (1873) [M. & A., 1969: 66]
- = *Liceopsis* Torrend, Brotéria, Sér. Bot. 7: 61 (1908) [M. & A., 1969: 66]
- Reticularia aurea** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 69(3): 338 (1966) [M. & A., 1969: 67]
- = *Enteridium aureum* (Nann.-Bremek.) M. L. Farr, Taxon 25(4): 514 (1976)

- Reticularia intermedia** Nann.-Bremek., Acta Bot. Neerl. 7: 773 (1958) [M. & A., 1969: 67]
- ≡ *Enteridium intermedium* (Nann.-Bremek.) M. L. Farr, Taxon 25(4): 514 (1976)
- Reticularia jurana** Meyl., Bull. Soc. Vaud. Sci. Nat. 44: 297 (1908) [M. & A., 1969: 67]
- ≡ *Reticularia lycoperdon* var. *jurana* (Meyl.) G. Lister in Lister, Monogr. Mycetozoa, ed. 3: 196 (1925) [M. & A., 1969: 67]
- = *Reticularia splendens* var. *jurana* (Meyl.) Kowalski, Mycologia 67(3): 452 (1975)
- = *Enteridium splendens* var. *juratum* (Meyl.) Härk., Karstenia 19: 5 (1979)
- Reticularia liceoides** (Lister) Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 76(5): 485 (1973)
- ≡ *Enteridium olivaceum* var. *liceoides* Lister, J. Bot. 34: 211 (1896)
- Enteridium liceoides* (Lister) G. Lister in Lister, Guide Brit. Mycetozoa, ed. 4: 48 (1919) [M. & A., 1969: 69]
- Reticularia lobata** Lister, Monogr. Mycetozoa: 161 (1894) [M. & A., 1969: 68]
- ≡ *Liceopsis lobata* (Lister) Torrend, Brotéria, Sér. Bot. 7: 61 (1908) [M. & A., 1969: 68]
- Enteridium lobatum* (Lister) M. L. Farr, Taxon 25(4): 514 (1976)
- =? *Reticularia rozeana* Rostaf., Sluzowce Monogr. Suppl.: 33 (1876) [p.p., according to Krzemieniewska, Sluzowce Polsk. 263 (1960), a synonym of this species. For M. & A., 1969: 70 probably a synonym of *Reticularia splendens* Morgan]
- Reticularia lycoperdon** Bull., Herb. France, pl. 446 fig. 4 (1790) [Lado & Pando, Taxon 47: 453 (1998)]
- ≡ *Fuligo lycoperdon* (Bull.) Schumach., Enum. Pl. 2: 193 (1803) [M. & A., 1969: 68]
- Enteridium lycoperdon* (Bull.) M. L. Farr, Taxon 25(4): 514 (1976)
- = *Mucor lycogalus* Bolton, Hist. Fung. Halifax 3: 133 (1789) [Nom. illeg., non *M. lycogala* Scop., 1772] [M. & A., 1969: 68]
- = *Lycogala punctata* Pers., Syn. Meth. Fung.: 158 (1801) [M. & A., 1969: 68]
- = *Lycogala turbinata* Pers., Syn. Meth. Fung.: 158 (1801) [M. & A., 1969: 68]
- = *Trichoderma fuliginoides* Pers., Syn. Meth. Fung.: 236 (1801) [M. & A., 1969: 68]
- Strongylium fuliginoides* (Pers.) Ditmar, Neues J. Bot. 3(3): 55 (1809) [M. & A., 1969: 68]
- = *Reticularia umbrina* Fr., Syst. Mycol. 3: 87 (1829) [M. & A., 1969: 68]
- = *Reticularia lycoperdon* var. *americana* Nann.-Bremek., Acta Bot. Neerl. 7: 773 (1958)
- Enteridium lycoperdon* var. *americanum* (Nann.-Bremek.) Nann.-Bremek. ex Y. Yamam., Myxomycete Biota Japan: 110 (1998) [Proposed earlier by Nannenga-Bremekamp –Feest & Burggraaf–, A Guide to Temperate Myxomycetes: 63 (1991) –“americana”–, but nom. inval., see ICBN, arts. 33.1, 33.2]
- Reticularia olivacea** (Ehrenb.) Fr., Syst. Mycol. 3: 89 (1829) [M. & A., 1969: 69]
- ≡ *Enteridium olivaceum* Ehrenb., Jahrb. Gewächsk. 1(2): 57 (1819) [M. & A., 1969: 69]
- Licaethalium olivaceum* (Ehrenb.) Rostaf., Sluzowce Monogr.: 227 (1875) [M. & A., 1969: 69]
- = *Enteridium atrum* Preuss, Linnaea 24: 142 (1851) [M. & A., 1969: 69]
- = *Reticularia applanata* Berk. & Broome, Ann. Mag. Nat. Hist., ser. 3, 18: 56 (1866) [Nom. illeg., non *R. applanata* Schwein., 1832] [M. & A., 1969: 69]
- = *Enteridium simulans* Rostaf., Sluzowce Monogr. Suppl.: 30 (1876) [M. & A., 1969: 69]
- Reticularia olivacea* var. *simulans* (Rostaf.) Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 76(5): 486 (1973)
- = *Enteridium macrosporum* Raunk., Bot. Tidsskr. 17: 48 (1890) [M. & A., 1969: 69]
- = *Enteridium rostrupii* Raunk., Bot. Tidsskr. 17: 48 (1890) [M. & A., 1969: 69]
- = *Enteridium minutum* Sturgis, Mycologia 9(6): 329 (1917) [M. & A., 1969: 69]
- Reticularia rubiginosa** (Gràcia, Illana & G. Moreno) Lado, **comb. nov.** [As *Reticularia* has been accepted as a conserved name (see comments under the genus), this combination is now necessary]
- ≡ *Enteridium rubiginosum* Gràcia, Illana & G. Moreno in Lado & Hernández (eds.), II. Congr. Int. Sist. Ecol. Myxomycetes: 51 (1996) [15 Apr. 1996] [Published as ‘in press’. Also published in Cryptog. Mycol. 17(1): 33 (1996) (30 Apr. 1996)]
- Reticularia splendens** Morgan, J. Cincinnati Soc. Nat. Hist. 15: 137 (1893) [M. & A., 1969: 70]
- ≡ *Enteridium splendens* (Morgan) T. Macbr., N. Amer. Slime-Moulds: 151 (1899) [M. & A., 1969: 70]

=? *Reticularia rozeana* Rostaf., Sluzowce Monogr. Suppl.: 33 (1876) [p.p., according to M. & A., 1969: 70 probably a synonym of this species. For Krzemieniewska, Sluzowce Polsk. 263 (1960), probably a synonym of *Reticularia lobata* Lister]

Enteridium rozeanum (Rostaf.) Wingate, Proc. Acad. Nat. Sci. Philadelphia 41: 156 (1889) [M. & A., 1969: 70]

STEMONARIA Nann.-Bremek., R. Sharma & Y. Yamam. in Nannenga-Bremekamp, Yamamoto & Sharma, Proc. Kon. Ned. Akad. Wetensch., C 87(4): 450 (1984)

Stemonaria argentella Y. Yamam., J. Jap. Bot. 65(10): 298 (1990)

Stemonaria clausifila Nann.-Bremek. & Y. Yamam. in Yamamoto & Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch. 98(3): 324 (1995) [The number 11.745 of the holotype refers to the collection number of Y. Yamamoto; it is deposited in TNS (Yamamoto, in litt.), see ICBN, art. 37.6]

Stemonaria fuscoides Nann.-Bremek. & Y. Yamam. in Nannenga-Bremekamp, Yamamoto & Sharma, Proc. Kon. Ned. Akad. Wetensch., C 87(4): 460 (1984)

= *Stemonaria fuscoides* var. *longipes* Y. Yamam. & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch. 98(3): 325 (1995) [The number 14.090 of the holotype refers to the collection number of Y. Yamamoto; it is deposited in TNS (Yamamoto, in litt.), see ICBN, art. 37.6]

Stemonaria gracilis Nann.-Bremek. & Y. Yamam. in Nannenga-Bremekamp, Yamamoto & Sharma, Proc. Kon. Ned. Akad. Wetensch., C 87(4): 461 (1984)

Stemonaria irregularis (Rex) Nann.-Bremek., R. Sharma & Y. Yamam. in Nannenga-Bremekamp, Yamamoto & Sharma, Proc. Kon. Ned. Akad. Wetensch., C 87(4): 456 (1984) [Proposed earlier by Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch., C 87(4): 505 (1983) but nom. inval., see ICBN, art. 43.1]

= *Comatracha irregularis* Rex, Proc. Acad. Nat. Sci. Philadelphia 43: 393 (1891) [Nannenga-Bremekamp, Yamamoto & Sharma, Proc. Kon. Ned. Akad. Wetensch., C 87(4): 456 (1984)]

Comatracha longa var. *irregularis* (Rex) Lister, Monogr. Mycetozoa: 120 (1894) [M. & A., 1969: 230]

Stemonitopsis irregularis (Rex) T. N. Lakh. & K. G. Mukerji [as "(Rex) Nann.-Bremek."], Biblioth. Mycol. 78: 348 (1981)

=? *Stemonitis crypta* Schwein., Trans. Amer. Philos. Soc. 4: 260 (1832) [May be a priority name. Its identity must remain uncertain unless Schweinitz's type is found, M. & A., 1969: 230]

Comatracha crypta (Schwein.) T. Macbr., Bull. Iowa Univ. Lab. Nat. Hist. 2: 139 (1892) [Cited by Saccardo & Sydow in Saccardo, Syll. Fung. 14: 837 (1899), as *C. crypta* (Schwein.) Morgan, J. Cinc. Soc. Nat. Hist. 16: 134 (1894), but Macbride, N. Am. Slime-Moulds: 126 (1899), rejected the name on the grounds that the identity of Schweinitz's species was uncertain and that the type was reported as lost. In any event, *C. crypta* (Schwein.) T. Macbr. is inescapably tied to *S. crypta* Schwein., and its identity must remain uncertain unless Schweinitz's type is found, M. & A., 1969: 230]

= *Comatracha irregularis* var. *altaica* Lavrov, Sist. Zametki Mater. Gerb. Krylova Tomsk. Gosud. Univ. Kujbyseva 4-5: 2 (1929)

Stemonaria laxa Nann.-Bremek. & Y. Yamam. in Nannenga-Bremekamp, Yamamoto & Sharma, Proc. Kon. Ned. Akad. Wetensch., C 87(4): 459 (1984)

Stemonaria laxiretis Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch. 93(3): 277 (1990)

Stemonaria longa (Peck) Nann.-Bremek., R. Sharma & Y. Yamam. in Nannenga-Bremekamp, Yamamoto & Sharma, Proc. Kon. Ned. Akad. Wetensch., C 87(4): 453 (1984) [Proposed earlier by Nannenga-Bremekamp, Nederlandse Myxomyceten, 2 Suppl. (Amsterdam): 505 (1893), but nom. inval., see ICBN, art. 43.1]

= *Comatracha longa* Peck, Annual Rep. New York State Mus. 43: 70 (1890)

Stemonitis longa (Peck) Massee, Monogr. Myxogastr.: 83 (1892) [M. & A., 1969: 231]

Symphytocarpus longus (Peck) Nann.-Bremek., Nederlandse Myxomyceten: 178 (1975) ["1974"]

= *Comatracha equinoctialis* Torrend, Brotéria, Sér. Bot. 7: 78 (1908) [M. & A., 1969: 231]

= *Comatracha longa* var. *flaccida* Minakata in Lister, Monogr. Mycetozoa, ed. 3: 149 (1925) [Petra's list, 1952: 471]

Stemonaria minuta Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 90(3): 347 (1987)

Stemonaria nannengae (T. N. Lakh. & K. G. Mukerji) Nann.-Bremek., R. Sharma & Y. Yamam. in Nannenga-Bremekamp, Yamamoto & Sharma, Proc. Kon. Ned. Akad. Wetensch., C 87(4): 456 (1984) [Proposed earlier by Nannenga-Bremekamp in Nederlandse Myxomyceten, 2 Suppl. (Amsterdam): 505 (1983), but nom. inval., see ICBN, art. 43.1]

= *Comatracha nannengae* T. N. Lakh. & K. G. Mukerji, Trans. Mycol. Soc. Japan 18 (2): 127 (1977) [June] ["nannengiae"] [Non *C. nannengae* Härk., also 1977, but published before]

- Stemonaria pallidifila** Y. Yamam. & Nann.-Bremek. in Nannenga-Bremekamp & Yamamoto, Proc. Kon. Ned. Akad. Wetensch. 93(3): 278 (1990)
- Stemonaria pilosa** Nann.-Bremek. in Nannenga-Bremekamp, Yamamoto & Sharma, Proc. Kon. Ned. Akad. Wetensch., C 87(4): 455 (1984)
- Stemonaria reticulospora** Nann.-Bremek., R. Sharma & K. S. Thind in Nannenga-Bremekamp, Yamamoto & Sharma, Proc. Kon. Ned. Akad. Wetensch., C 87(4): 451 (1984)
- Stemonaria rufipes** Nann.-Bremek. & Y. Yamam. in Nannenga-Bremekamp, Yamamoto & Sharma, Proc. Kon. Ned. Akad. Wetensch., C 87(4): 456 (1984)
- STEMONITIS** Gled., Meth. Fung.: 140 (1753) [Farr & Alexopoulos –Taxon 30: 357-358 (1981)– proposed to conserve *Stemonitis* Roth, Mag. Bot. (Römer & Usteri) 1(2): 25 (1787), against *Stemonitis* Gled. and *Stemonitis* Gled. sensu F.H. Wigg., Prim. Fl. Holsat.: 110 (1780). This proposal, however was rejected by the Committee for Fungi and Lichens of the IAPT –see Gams, Taxon 41: 100 (1992)–, who support maintaining *Stemonitis*, i.e. *Stemonitis* Gled., with the type *Stemonitis fusca* Roth, which was based on Micheli's "*Clathroideastrum obscurum minus*"]
- = *Stemonitis* Roth, Mag. Bot. (Römer & Usteri) 1(2): 25 (1787) [Nom. illeg., non *Stemonitis* Gled., 1753]
- Stemonitis axifera** (Bull.) T. Macbr., N. Amer. Slime-Moulds: 120 (1899) [M. & A., 1969: 191]
- = *Trichia axifera* Bull., Herb. France, pl. 477 fig. 1 (1790) [M. & A., 1969: 191]
- = *Stemonitis fasciculata* Schumach., Enum. Pl. 2: 216 (1803) [Nom. illeg., non *S. fasciculata* Pers. ex J. F. Gmel., 1791] [M. & A., 1969: 191]
- = *Stemonitis ferruginea* Ehrenb., Sylv. Myc. Berol.: 25 (1818) [M. & A., 1969: 191]
- = *Stemonitis microspora* Lister ex Morgan, J. Cincinnati Soc. Nat. Hist. 16: 138 (1894) [p.p., M. & A., 1969: 191]
- = *Stemonitis ferruginea* f. *gibbosa* Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 304 (1929) [Petrak's list, 1952: 508]
- Stemonitis farrensis** T. N. Lakh. & K. G. Mukerji, Acta Bot. Indica 5(1): 60 (1977)
- Stemonitis flavogenita** E. Jahn, Verh. Bot. Vereins Prov. Brandenburg 45: 165 (1904) [M. & A., 1969: 193]
- Stemonitis foliicola** Ing, Trans. Brit. Mycol. Soc. 50(4): 555 (1967)
- Stemonitis fusca** Roth, Bot. Mag. (Römer & Usteri) 1(2): 26 (1787) [M. & A., 1969: 193]
- = *Trichia nuda* With., Bot. Arr. Brit. Pl., ed. 2. 3: 477 (1792) [M. & A., 1969: 193]
- = *Stemonitis fasciculata* Pers. ex J. F. Gmel., Syst. Nat. 2: 1468 (1792) [non *S. fasciculata* Schumach., 1803] [M. & A., 1969: 193]
- = *Stemonitis maxima* Schwein., Trans. Amer. Philos. Soc. 4: 260 (1832) [M. & A., 1969: 193]
- Stemonitis fusca* var. *maxima* (Schwein.) Torrend, Brotéria, Sér. Bot. 7: 80 (1908)
- = *Stemonitis dictyospora* Rostaf., Sluzowce Monogr.: 195 (1874) [M. & A., 1969: 193]
- = *Stemonitis fusca* var. *major* Rostaf., Sluzowce Monogr.: 194 (1874)
- = *Stemonitis fusca* var. *minor* Rostaf., Sluzowce Monogr.: 194 (1874)
- = *Stemonitis nigrescens* Rex, Proc. Acad. Nat. Sci. Philadelphia 43: 392 (1891) [Castillo, Moreno, Illana & Lago, Mycol. Res. 101: 1335 (1997)]
- Stemonitis fusca* var. *nigrescens* (Rex) Torrend, Brotéria, Sér. Bot. 7: 81 (1908) [Castillo, Moreno, Illana & Lago, Mycol. Res. 101: 1335 (1997)]
- = *Stemonitis castillensis* T. Macbr., Bull. Iowa Univ. Lab. Nat. Hist. 2: 381 (1893) [M. & A., 1969: 193]
- = *Stemonitis fusca* var. *pinnata* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 47 (1893)
- = *Stemonitis fusca* var. *rufescens* Lister, Monogr. Mycetoza: 110 (1894) [M. & A., 1969: 194]
- = *Stemonitis carolinensis* T. Macbr., N. Amer. Slime-Moulds: 122 (1899) [Castillo, Moreno, Illana & Lago, Mycol. Res. 101: 1335 (1997)]
- = *Stemonitis fusca* var. *papillosa* Meyl., Bull. Soc. Vaud. Sci. Nat. 58: 322 (1935) [M. & A., 1969: 194; Kowalski, Mycologia 67(3): 466 (1975)]
- Stemonitis graciliformis** Nann.-Bremek., K. G. Mukerji & Pasricha, Proc. Kon. Ned. Akad. Wetensch., C 87(4): 472 (1984)
- Stemonitis herbatica** Peck, Annual Rep. New York State Mus. 26: 75 (1874) [M. & A., 1969: 194; Ing, Myxomycetes Britain Ireland: 202 (1999)]
- Stemonitis inconspicua** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 69(3): 350 (1966) [M. & A., 1969: 196]
- Stemonitis laxifila** Nann.-Bremek. & Y. Yamam. in Watanabe & Malla (eds.), Crypt. Himalayas 1: 29 (1988)
- Stemonitis lignicola** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 76(5): 478 (1973)
- Stemonitis marjana** Y. Yamam., Karstenia 40: 197 (2001) ["2000"]

- Stemonitis mussooriensis** G. W. Martin, K. S. Thind & Sohi, *Mycologia* 49(1): 128 (1957)
- = *Stemonitis brasiliensis* M. L. Farr & G. W. Martin, *Broteria*, *Ci. Nat.* 27: 156 (1958) [M. & A., 1969: 197]
- = *Stemonitis emotoi* Nann.-Bremek. & Y. Yamam. in Nannenga-Bremekamp, Yamamoto & Sharma, *Proc. Kon. Ned. Akad. Wetensch.*, C 87(4): 463 (1984)
- Stemonitis mussooriensis* var. *emotoi* (Nann.-Bremek. & Y. Yamam.) Y. Yamam., *Myxomycete Biota Japan*: 618 (1998)
- Stemonitis pallida** Wingate in Macbride, N. Amer. Slime-Moulds: 123 (1899) [M. & A., 1969: 198]
- = *Stemonitis pallida* var. *rubescens* Y. Yamam., *Stapfia* 73: 98 (2000)
- Stemonitis rhizoideipes** Nann.-Bremek., R. Sharma & K. S. Thind in Nannenga-Bremekamp, Yamamoto & Sharma, *Proc. Kon. Ned. Akad. Wetensch.*, C 87(4): 465 (1984)
- Stemonitis smithii** T. Macbr., *Bull. Iowa Univ. Lab. Nat. Hist.* 2: 381 (1893) [M. & A., 1969: 198]
- ≡ *Stemonitis axifera* var. *smithii* (T. Macbr.) Hagelst., *Mycetozoa N. Amer.* 154 (1944)
- Stemonitis ferruginea* var. *smithii* (T. Macbr.) G. Lister in Lister, *Monogr. Mycetozoa*, ed. 2: 150 (1911) [M. & A., 1969: 198]
- = *Stemonitis microspora* Lister ex Morgan, *J. Cincinnati Soc. Nat. Hist.* 16: 138 (1894) [p.p., M. & A., 1969: 198]
- = *Stemonitis ferruginea* var. *violacea* Meyl., *Bull. Soc. Bot. Genève* 2: 264 (1910) [M. & A., 1969: 198; Kowalski, *Mycologia* 67(3): 465 (1975)]
- Stemonitis axifera* var. *smithii* f. *violacea* (Meyl.) Y. Yamam., *Myxomycete Biota Japan*: 605 (1998)
- Stemonitis splendens** Rostaf., *Sluzowce Monogr.*: 195 (1874) [M. & A., 1969: 199]
- = *Stemonitis morganii* Peck, *Bot. Gaz. (London)* 5: 33 (1880) [M. & A., 1969: 199]
- Stemonitis splendens* var. *morganii* (Peck) Torrend, *Broteria*, *Sér. Bot.* 7: 82 (1908)
- = *Stemonitis baeuerlinii* f. *fenestrata* Rex, *Proc. Acad. Nat. Sci. Philadelphia* 42: 37 (1890) [Nom. illeg.] [M. & A., 1969: 199]
- Stemonitis fenestrata* (Rex) T. Macbr., N. Amer. Slime-Moulds: 119 (1899) [M. & A., 1969: 199]
- Stemonitis splendens* var. *fenestrata* (Rex) Torrend, *Broteria*, *Sér. Bot.* 7: 82 (1908)
- = *Stemonitis webberi* Rex, *Proc. Acad. Nat. Sci. Philadelphia* 43: 390 (1891) [M. & A., 1969: 199]
- Stemonitis splendens* var. *webberi* (Rex) Lister, *Monogr. Mycetozoa*: 112 (1894)
- = *Stemonitis acuminata* Masee, *Monogr. Myxogastr.*: 78 (1892) [M. & A., 1969: 199]
- = *Stemonitis baeuerlinii* Masee, *Monogr. Myxogastr.*: 79 (1892) [M. & A., 1969: 199]
- Stemonitis uvifera** T. Macbr., N. Amer. Slime-Moulds, ed. 2: 161 (1922) [M. & A., 1969: 201]
- Stemonitis virginienensis** Rex, *Proc. Acad. Nat. Sci. Philadelphia* 43: 391 (1891) [M. & A., 1969: 201]
- = *Stemonitis virginienensis* var. *rubiginosa* Meyl., *Bull. Soc. Vaud. Sci. Nat.* 59: 480 (1937) [Kowalski, *Mycologia* 67(3): 466 (1975)]
- STEMONITOPSIS** (Nann.-Bremek.) Nann.-Bremek., *Nederlandse Myxomyceten*: 203 (1975) ["1974"]
- ≡ *Comatricha* subgen. *Stemonitopsis* Nann.-Bremek., *Proc. Kon. Ned. Akad. Wetensch.*, C 70(2): 208 (1967)
- Stemonitopsis aequalis** (Peck) Y. Yamam., *Myxomycete Biota Japan*: 625 (1998)
- ≡ *Comatricha aequalis* Peck, *Annual Rep. New York State Mus.* 31: 42 (1879)
- Stemonitis aequalis* (Peck) Masee, *Monogr. Myxogastr.*: 80 (1892) [M. & A., 1969: 225] [Also proposed by Nannenga-Bremekamp, *Proc. Kon. Ned. Akad. Wetensch.*, C 70(2): 206 (1967), but comb. superfl.]
- Comatricha nigra* var. *aequalis* (Peck) Sturgis, *Colorado Coll. Stud. Sci. Ser.* 12: 34 (1907) [M. & A., 1969: 225]
- Stemonitis aequalis* (Peck) Nann.-Bremek., *Proc. Kon. Ned. Akad. Wetensch.*, C 70(2): 206 (1967) [Comb. superfl., proposed earlier by Masee, 1892]
- = *Stemonitis aequalis* var. *microspora* Nann.-Bremek. & Y. Yamam., *Proc. Kon. Ned. Akad. Wetensch.*, C 86(2): 237 (1983)
- Stemonitopsis amoena** (Nann.-Bremek.) Nann.-Bremek., *Nederlandse Myxomyceten*: 205 (1975) ["1974"]
- ≡ *Comatricha amoena* Nann.-Bremek., *Proc. Kon. Ned. Akad. Wetensch.*, C 71(1): 45 (1968)
- Stemonitopsis curiosa** Nann.-Bremek. & Y. Yamam., *Proc. Kon. Ned. Akad. Wetensch.*, C 86(2): 239 (1983)
- Stemonitopsis gracilis** (G. Lister) Nann.-Bremek., *Nederlandse Myxomyceten*: 210 (1975) ["1974"]
- [Proposed earlier by the same author in *Proc. Kon. Ned. Akad. Wetensch.*, C 76(5): 486 (1973), but nom. inval., see ICBN, art. 43.1]
- ≡ *Comatricha pulchella* var. *gracilis* G. Lister in Lister, *Monogr. Mycetozoa*, ed. 2: 115 (1911) [Based on *Comatricha gracilis* Wingate, issued, without description in Ellis & Everhart, *N. Amer. Fungi*, Series II, No. 2094, 1888. Wingate's name is a nom. nud., but G. Lister's varietal name was, of course, validly published, M. & A., 1969: 236]

Stemonitopsis hyperopta (Meyl.) Nann.-Bremek.,
Nederlandse Myxomyceten: 206 (1975) ["1974"]

≡ *Stemonitis hyperopta* Meyl., Bull. Soc. Vaud. Sci. Nat.
52: 97 (1918)

= *Comatriza typhina* var. *heterospora* Rex, Proc. Acad.
Nat. Sci. Philadelphia 45: 367 (1893) [M. & A., 1969: 195]

Comatriza typhoides var. *heterospora* (Rex) Lister,
Monogr. Mycetoza: 121 (1894) [M. & A., 1969: 195]

= *Stemonitopsis hyperopta* var. *landewaldii* Bossel., Acta
Bot. Neerl. 33(3): 355 (1984)

Stemonitopsis microspora (Lister) Nann.-Bremek.,
Nederlandse Myxomyceten: 208 (1975) ["1974"]

≡ *Comatriza typhoides* var. *microspora* Lister, Monogr.
Mycetoza: 121 (1894)

Comatriza microspora (Lister) G. Lister in Lister, Guide
Brit. Mycetoza, ed. 4.: 39 (1919) [M. & A., 1969: 196]

Stemonitis hyperopta var. *microspora* (Lister) G. Lister
in Lister, Monogr. Mycetoza, ed. 3: 134 (1925) [non *S.*
microspora Lister ex Morgan, 1894] [M. & A., 1969: 196]

Stemonitis microsperma Ing, Trans. Brit. Mycol. Soc.
48(4): 648 (1965) [M. & A., 1969: 196] [Nom. nov., based
on *Comatriza typhoides* var. *microspora* Lister, 1894, but
the name, at species level, is occupied by *S. microspora* Lister
ex Morgan, 1894]

Comatriza microsperma (Ing) Nann.-Bremek. ex G.
W. Martin & Alexop., Myxomycetes: 196 (1969)
[Proposed earlier by Nannenga-Bremekamp, Proc. Kon. Ned.
Akad. Wetensch., C 70(2): 208 (1967), but nom. inval., see
ICBN, art. 33.3, basionym reference omitted]

Stemonitopsis peritricha (Nann.-Bremek.) Nann.-Bremek.,
Nederlandse Myxomyceten: 212 (1975) ["1974"]

≡ *Comatriza peritricha* Nann.-Bremek., Proc. Kon.
Ned. Akad. Wetensch., C 74(4): 361 (1971)
["*Comatriza* (*Stemonitopsis*)"]

Stemonitopsis reticulata (H. C. Gilbert) Nann.-Bremek.
& Y. Yamam. in Yamamoto & Nannenga-Bremekamp,
Proc. Kon. Ned. Akad. Wetensch. 98(3): 325 (1995)

≡ *Comatriza reticulata* H. C. Gilbert in Peck & Gilbert,
Amer. J. Bot. 19(2): 140 (1932)

Stemonitis reticulata (H. C. Gilbert) Hertel, Dusenja 7:
346 (1956) [Nom. illeg., non *S. reticulata* Trentep., 1797]
[M. & A., 1969: 227]

= *Stemonitopsis reticulata* var. *macrospora* Y. Yamam.,
Myxomycete Biota Japan: 634 (1998)

Stemonitopsis subcaespitosa (Peck) Nann.-Bremek.,
Nederlandse Myxomyceten: 211 (1975) ["1974"]

≡ *Comatriza subcaespitosa* Peck, Annual Rep. New
York State Mus. 43: 71 (1890)

Stemonitis subcaespitosa (Peck) Massee, Monogr.
Myxogastr.: 80 (1892)

Comatriza persoonii var. *subcaespitosa* (Peck) Torrend,
Brotéria, Sér. Bot. 7: 77 (1908) [M. & A., 1969: 237]

Comatriza nigra var. *subcaespitosa* (Peck) G. Lister
in Lister, Monogr. Mycetoza, ed. 3: 142 (1925) [M. &
A., 1969: 237]

Stemonitopsis typhina (F. H. Wigg.) Nann.-Bremek.,
Nederlandse Myxomyceten: 209 (1975) ["1974"]

≡ *Stemonitis typhina* F. H. Wigg., Prim. Fl. Holsat.: 110
(1780)

Comatriza typhina (F. H. Wigg.) Rostaf., Sluzowce
Monogr.: 197 (1874) [M. & A., 1969: 239]

=? *Mucor stemonitis* Scop., Fl. Carniol., ed. 2, 2: 493
(1772) [Cited by Rostafinski as a synonym of *Comatriza*
typhina (F. H. Wigg.) Rostaf., if confirmed could be a
priority name] [M. & A., 1969: 240, 417]

Comatriza stemonitis (Scop.) Wettst., Verh. Zool.-
Bot. Ges. Wien 35: Abh. 534 (1886) [M. & A., 1969: 239]

= *Trichia typhoides* Bull., Herb. France, pl. 477 fig. 2
(1790) [M. & A., 1969: 239]

Stemonitis typhoides (Bull.) DC. in Lamarck & de
Candolle, Fl. Franç., ed. 3, 2: 257 (1805) [M. & A., 1969:
239]

Comatriza typhoides (Bull.) Rostaf. in Lister,
Monogr. Mycetoza: 120 (1894) [M. & A., 1969: 239]

Stemonitopsis typhoides (Bull.) T. N. Lakh. & K. G.
Mukerji, Biblioth. Mycol. 78: 349 (1981) [Cited as
"(Bull.) Nann.-Bremek."]

= *Stemonitis leucopoda* Fr., Symb. Gasteromyc.: 16
(1817) [M. & A., 1969: 239]

= *Comatriza affinis* Rostaf., Sluzowce Monogr.: 202
(1874) [M. & A., 1969: 239]

Stemonitis affinis (Rostaf.) Massee, Monogr.
Myxogastr.: 76 (1892) [M. & A., 1969: 239]

= *Comatriza typhina* var. *pumila* Rostaf., Sluzowce
Monogr.: 199 (1874) [It may have been based on
"*Stemonitis pumila* Corda," which Rostafinski cites as
a synonym of *C. typhina* (F. H. Wigg.) Rostaf. Corda, Ic. Fung.
5: 59 (1842), proposed no such species but merely referred his
material doubtfully to *S. pumila* Fr., Syst. Mycol. 3: 159,
1829, which is also of doubtful identity, M. & A., 1969: 240]

= *Stemonitis atra* Massee, Monogr. Myxogastr.: 78
(1892) [M. & A., 1969: 239]

= *Stemonitis carlylei* Massee, Monogr. Myxogastr.: 84
(1892) [M. & A., 1969: 240]

= *Stemonitis platensis* Speg., Anales Mus. Nac. Hist. Nat.
Buenos Aires 6: 202 (1899) [M. & A., 1969: 240]

= *Comatriza typhoides* var. *longipes* E. Jahn, Hedwigia
43: 304 (1904)

= *Comatriza typhoides* var. *similis* G. Lister in Lister,
Monogr. Mycetoza, ed. 2: 152 (1911) [M. & A., 1969:
240]

- Stemonitopsis typhina* var. *similis* (G. Lister) Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch., C 90(3): 348 (1987)
- SYMPHYTOCARPUS** Ing & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 70(2): 218 (1967)
- Symphytocarpus amaurochaetoides** Nann.-Bremek. in Ing & Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch., C 70(2): 220 (1967)
- = *Stemonitis fusca* var. *confluens* Lister, Monogr. Mycetozoa: 110 (1894) [Is listed under *Amaurochaete* Rostaf. as doubtful by M. & A. (1969: 194); see also Nannenga-Bremekamp, Nederlandse Myxomyceten: 175 (1975)]
- = *Stemonitis fusca* var. *flaccida* G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 144 (1911) [Nom. illeg., non *S. fusca* var. *flaccida* (Lister) Torrend, 1908] [Nannenga-Bremekamp, Nederlandse Myxomyceten: 175 (1975)]
- Symphytocarpus confluens** (Cooke & Ellis) Ing & Nann.-Bremek. in Nannenga-Bremekamp, Nederlandse Myxomyceten: 174 (1975) ["1974"] [Proposed earlier by Ing & Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch., C 70(2): 219 (1967), but nom. inval., see ICBN, art. 33.3, basionym reference omitted]
- = *Stemonitis confluens* Cooke & Ellis, Grevillea 5: 51 (1876) [Nannenga-Bremekamp, Nederlandse Myxomyceten: 174 (1975)]
- Comatricha confluens* (Cooke & Ellis) Cooke & Ellis, Ann. Lyceum Nat. Hist. New York 11: 396 (1877) [M. & A., 1969: 192]
- Stemonitis splendens* var. *confluens* (Cooke & Ellis) Lister, Monogr. Mycetozoa: 112 (1894) [p.p., see Nannenga-Bremekamp, Nederlandse Myxomyceten: 174 (1975)]
- = *Stemonitis confluens* var. "*sporangiis liberis*" Krzemien., Acta Soc. Bot. Poloniae 11 Suppl.: 126 (1934) [Petrak's list, 1953: 1031]
- Symphytocarpus cristatus** Nann.-Bremek. in Ing & Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch., C 70(2): 224 (1967)
- Symphytocarpus flaccidus** (Lister) Ing & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 70(2): 217 (1967) ["(Morgan)"]
- = *Stemonitis splendens* var. *flaccida* Lister, Monogr. Mycetozoa: 112 (1894) [Nannenga-Bremekamp, Nederlandse Myxomyceten: 171 (1975)]
- Comatricha flaccida* (Lister) Morgan, J. Cincinnati Soc. Nat. Hist. 16: 135 (1894) [Nannenga-Bremekamp, Nederlandse Myxomyceten: 172 (1975), comments that the material studied by Morgan is from another species]
- = *Amaurochaete ferruginea* T. Macbr. & G. W. Martin in Martin, J. Wash. Acad. Sci. 22(4): 89 (1932) [Nannenga-Bremekamp, Nederlandse Myxomyceten: 171 (1975)]
- Symphytocarpus fusiformis** Nann.-Bremek. & Härk., Proc. Kon. Ned. Akad. Wetensch., C 82(3): 371 (1979)
- Symphytocarpus herbaticus** Ing in Ing & Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch., C 70(2): 229 (1967) [Nom. nov., based on *Stemonitis herbatica* var. *confluens* G. Lister, 1911]
- = *Stemonitis herbatica* var. *confluens* G. Lister in Lister, Monogr. Mycetozoa, ed. 2: 148 (1911) [M. & A., 1969: 195]
- Symphytocarpus impexus** Ing & Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 70(2): 227 (1967)
- = *Stemonitis splendens* var. *confluens* (Cooke & Ellis) Lister, Monogr. Mycetozoa: 112 (1894) [p.p., see Nannenga-Bremekamp, Nederlandse Myxomyceten: 172 (1975)]
- Symphytocarpus syncarpus** (Yamash.) Y. Yamam., J. Jap. Bot. 59(8): 256 (1984)
- = *Stemonitis confluens* var. *syncarpa* Yamash., J. Sci. Hiroshima Univ., Ser. B, Div. 2, Bot. 3: 34 (1936) ["syncarpon"]
- Stemonitis syncarpa* (Yamash.) Emoto, Myxomycetes Japan: 112, pl. 56 figs. 4-5 (1977) [Nom. inval., see ICBN, art. 33.3, basionym reference omitted]
- Symphytocarpus trechisporus** (Berk. ex Torrend) Nann.-Bremek. in Ing & Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch., C 70(2): 219 (1967)
- = *Stemonitis fusca* var. *trechispora* Berk. ex Torrend, Brotéria, Sér. Bot. 7: 81 (1908) [Ing & Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch., C 70(2): 219 (1967)]
- Stemonitis trechispora* (Berk. ex Torrend) T. Macbr., N. Amer. Slime-Moulds, ed. 2: 159 (1922) [M. & A., 1969: 200]
- TRICHIA** Haller, Hist. Stirp. Helv. 3: 114 (1768) [M. & A., 1969: 154]
- Trichia affinis** de Bary in Fuckel, Jahrb. Nassauischen Vereins Naturk. 23-24: 336 (1870) [M. & A., 1969: 160]
- = *Hemitrichia helvetica* Meyl., Bull. Soc. Vaud. Sci. Nat. 46: 54 (1910) [Kowalski, Mycologia 67(3): 459 (1975)]
- Trichia agaves** (G. Moreno, Lizárraga & Illana) Mosquera, Lado, Estrada & Beltrán-Tej. **comb. nov.** [*Hemitrichia agaves* G. Moreno, Lizárraga & Illana is definitely the same species as *T. perichaenoides* Mosquera, Lado, Estrada & Beltrán-Tej. For this reason, following the ICBN, the new combination *T. agaves* must be made. The erroneous placement of this species in the genus *Hemitrichia* was published two

- months earlier than *T. perichaenoides*, so the epithet *agaves* must be maintained]
- ≡ *Hemitrichia agaves* G. Moreno, Lizárraga & Illana in Moreno, Lizárraga, Illana, Castillo & Oltra, Rivista Micol. 43(1): 6 (2000) [Jul. 2000]
- = *Trichia perichaenoides* Mosquera, Lado, Estrada & Beltrán-Tej., Mycotaxon 75: 320 (2000) [Aug. 23, 2000]
- Trichia alpina*** (R. E. Fr.) Meyl., Bull. Soc. Vaud. Sci. Nat. 53: 460 (1921) [M. & A., 1969: 155]
- ≡ *Trichia contorta* var. *alpina* R. E. Fr., Ark. Bot. 6(7): 5 (1906) [M. & A., 1969: 155]
- = *Trichia cascadiensis* H. C. Gilbert in Peck & Gilbert, Amer. J. Bot. 19: 145 (1932) [M. & A., 1969: 155]
- Trichia antarctica*** Aramb. & Spinedi, Contr. Inst. Antart. Argent. 365: 8 (1989)
- Trichia botrytis*** (J. F. Gmel.) Pers., Neues Mag. Bot. 1: 89 (1794) [M. & A., 1969: 156]
- ≡ *Stemonitis botrytis* J. F. Gmel., Syst. Nat. 2: 1468 (1792) [M. & A., 1969: 156]
- Trichia fragilis* var. *botrytis* (J. F. Gmel.) Berl. in Saccardo, Syll. Fung. 7: 441 (1888)
- = *Trichia botrytis* var. *minor* Pers., Tent. Disp. Meth. Fung.: 54 (1797)
- = *Trichia serotina* Schrad., J. Bot. (Schrader) 2: 67 (1799) [M. & A., 1969: 156]
- Trichia pyriformis* var. *serotina* (Schrad.) Rostaf. in Fuckel, Symb. Mycol. Nachtr. II 27-28: 75 (1873)
- Trichia fragilis* var. *serotina* (Schrad.) Rostaf., Sluzowce Monogr.: 248 (1875)
- = *Sphaerocarpus fragilis* Sowerby, Col. Fig. Engl. Fung., pl. 279 (1800) [M. & A., 1969: 156]
- Trichia fragilis* (Sowerby) Rostaf., Sluzowce Monogr.: 246 (1875) [M. & A., 1969: 156]
- = *Trichia botrytis* var. *fasciculata* Alb. & Schwein., Consp. Fung. Lusat.: 98 (1805)
- = *Trichia botrytis* var. *simplex* Alb. & Schwein., Consp. Fung. Lusat.: 98 (1805)
- = *Trichia lorinseriana* Corda, Icon. Fung. 1: 23 (1837) [M. & A., 1969: 156]
- Trichia fragilis* var. *lorinseriana* (Corda) Rostaf., Sluzowce Monogr.: 248 (1875)
- = *Trichia purpurascens* Nyl., Not. Sällsk. Fauna Fl. Fenn. Förh 4: 126 (1859) [M. & A., 1969: 156]
- = *Trichia carlyleana* Masee, J. Roy. Microscop. Soc. London 1889: 329 (1889) [M. & A., 1969: 156]
- = *Trichia botrytis* var. *cerifera* G. Lister, J. Bot. 53: 211 (1915) [M. & A., 1969: 156]
- = *Trichia botrytis* var. *aurispora* Meyl., Bull. Soc. Vaud. Sci. Nat. 56: 327 (1927) [Kowalski, Mycologia 67(3): 460 (1975)]
- Trichia brevicapillata*** Sizova, Titova & Darakov, Novosti Sist. Nizsh. Rast. 20: 121 (1983)
- Trichia brunnea*** J. J. Cox, Mycologia 73(4): 741 (1981)
- = *Hemitrichia stipata* var. *fusca* Z. Moravec, Česká Mykol. 22: 307 (1968) [Eliasson & Keller, Karstenia 39: 6 (1999)]
- Trichia conglobata*** M. L. Farr, Mycologia 66(5): 882 (1974)
- Trichia contorta*** (Ditmar) Rostaf., Sluzowce Monogr.: 259 (1875) [M. & A., 1969: 157]
- ≡ *Lycogala contortum* Ditmar in Sturm, Deutschl. Fl. Pilze 1(1): 9 (1812) [M. & A., 1969: 157]
- Perichaena contorta* (Ditmar) Fr., Syst. Mycol. 3: 192 (1829) [M. & A., 1969: 157]
- Licea contorta* (Ditmar) Wallr., Fl. Crypt. Germ. 2: 345 (1833) [M. & A., 1969: 157]
- Hemitrichia contorta* (Ditmar) Rostaf. in Fuckel, Jahrb. Nassauischen Vereins Naturk. 27-28: 75 (1873) [M. & A., 1969: 157]
- = *Trichia reniformis* Peck, Annual Rep. New York State Mus. 26: 76 (1874) [M. & A., 1969: 157]
- = *Trichia inconspicua* Rostaf., Sluzowce Monogr.: 259 (1875) [M. & A., 1969: 157]
- Trichia contorta* var. *inconspicua* (Rostaf.) Lister, Monogr. Mycetozoa: 169 (1894) [M. & A., 1969: 158]
- = *Hemiarcyria karstenii* Rostaf., Sluzowce Monogr. Suppl.: 41 (1876)
- Arcyria karstenii* (Rostaf.) Masee, Monogr. Myxogastr.: 168 (1892) [M. & A., 1969: 150]
- Hemitrichia karstenii* (Rostaf.) Lister, Monogr. Mycetozoa: 178 (1894) [M. & A., 1969: 150]
- Trichia contorta* var. *karstenii* (Rostaf.) Ing, Trans. Brit. Mycol. Soc. 48(4): 647 (1965) [M. & A., 1969: 150]
- = *Hemiarcyria paradoxa* Masee, J. Roy. Microscop. Soc. London 1889: 356 (1889) [M. & A., 1969: 150]
- Arcyria paradoxa* (Masee) Masee, Monogr. Myxogastr.: 160 (1892) [M. & A., 1969: 150]
- = *Trichia advenula* Masee, J. Roy. Microscop. Soc. London 1889: 336 (1889) [M. & A., 1969: 157]
- = *Hemiarcyria obscura* Rex, Proc. Acad. Nat. Sci. Philadelphia 43: 395 (1891) [M. & A., 1969: 150]
- = *Trichia andersonii* Rex, Proc. Acad. Nat. Sci. Philadelphia 43: 395 (1891) [M. & A., 1969: 157]

- = *Trichia iowensis* T. Macbr., Bull. Iowa Univ. Lab. Nat. Hist. 2: 133 (1892) [M. & A., 1969: 157]
Trichia contorta var. *iowensis* (T. Macbr.) Torrend, Brotéria, Sér. Bot. 7: 55 (1908) [M. & A., 1969: 158]
- = *Perichaena cornuvioides* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 26 (1893) [M. & A., 1969: 150]
- = *Trichia inconspicua* var. *lutea* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 36 (1893)
- = *Trichia rostafinskii* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 37 (1893) [M. & A., 1969: 157]
- = *Trichia rostafinskii* var. *sessilis* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 37 (1893) [M. & A., 1969: 164]
- = *Trichia rostafinskii* var. *stipitata* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 37 (1893) [M. & A., 1969: 164]
- = *Trichia intermedia* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 38 (1893) [Nom. illeg., non *T. intermedia* Massee, 1889] [M. & A., 1969: 157]
- = *Trichia pachyderma* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 38 (1893) [M. & A., 1969: 157]
- = *Trichia intermedia* var. *brunnea* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 39 (1893) [Nom. illeg.] [M. & A., 1969: 164]
- = *Trichia contorta* f. *attenuata* Meyl., Annuaire Conserv. Jard. Bot. Genève 15-16: 320 (1913)
Trichia contorta var. *attenuata* (Meyl.) Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 46 (1929)
- Trichia crateriformis** G. W. Martin, Mycologia 55(1): 131 (1963) [Nom. nov., based on *T. craterioides* G. W. Martin, 1962, non *T. craterioides* Corda, 1838]
- ≡ *Trichia craterioides* G. W. Martin, Brittonia 14: 183 (1962) [Nom. illeg., non *T. craterioides* Corda, 1838] [M. & A., 1969: 158]
- Trichia crenulata** (Meyl.) Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 47 (1929) [Kowalski, Mycologia 67(3): 460 (1975)]
- ≡ *Trichia contorta* var. *crenulata* Meyl., Bull. Soc. Vaud. Sci. Nat. 55: 244 (1924) [Kowalski, Mycologia 67(3): 460 (1975)]
- Trichia decipiens** (Pers.) T. Macbr., N. Amer. Slime-Moulds: 218 (1899) [M. & A., 1969: 158]
- ≡ *Arcyria decipiens* Pers., Ann. Bot. (Usteri) 15: 35 (1795) [Non *A. decipiens* Berk., 1842] [M. & A., 1969: 158]
- = *Lycoperdon pusillum* Hedw., Samml. Phys. Naturgesch. 2: 276 (1780) [M. & A., 1969: 158]
- Trichia pusilla* (Hedw.) G. W. Martin, N. Amer. Flora 1(1): 53 (1949) [Nom. illeg., non *T. pusilla* J. Schröt., 1885] [M. & A., 1969: 159]
- = *Trichia fallax* Pers., Observ. Mycol. 1: 59 (1796) [M. & A., 1969: 158]
- = *Trichia virescens* Schumacher, Enum. Pl. 2: 208 (1803) [M. & A., 1969: 158]
- = *Trichia fallax* var. *dilutior* Alb. & Schwein., Consp. Fung. Lusat.: 98 (1805)
- = *Trichia cerina* Ditmar in Sturm, Deutschl. Fl. Pilze 1(2): 51 (1814) [M. & A., 1969: 158]
Trichia fallax f. *cerina* (Ditmar) Rostaf., Sluzowce Monogr.: 245 (1875)
- Trichia fallax* var. *cerina* (Ditmar) Berl. in Saccardo, Syll. Fung. 7: 440 (1888)
- = *Trichia fulva* Purton, Bot. Descr. Brit. Pl. 3: 290 (1821) [Nom. illeg., non *T. fulva* With., 1792] [M. & A., 1969: 158]
- = *Trichia furcata* Wigand, Jahrb. Wiss. Bot. 3: 30 (1863) [M. & A., 1969: 158]
- = *Trichia fallax* f. *minor* Rostaf., Sluzowce Monogr.: 245 (1875)
Trichia fallax var. *minor* (Rostaf.) Berl. in Saccardo, Syll. Fung. 7: 440 (1888)
- = *Trichia nana* Zukal, Verh. Zool.-Bot. Ges. Wien 35: 334 (1885) [non *T. nana* Massee, 1889] [M. & A., 1969: 158]
- = *Trichia stuhlmannii* Eichelb., Verh. Naturwiss. Vereins Hamburg III 14: 32 (1907) [M. & A., 1969: 158]
- = *Trichia fallax* var. *olivacea* Meyl., Bull. Soc. Vaud. Sci. Nat. 44: 300 (1908) [Kowalski, Mycologia 67(3): 462 (1975)]
- Trichia decipiens* var. *olivacea* (Meyl.) Meyl., Bull. Soc. Vaud. Sci. Nat. 55: 244 (1924)
- Trichia decipiens* f. *olivacea* (Meyl.) Y. Yamam., Myxomycete Biota Japan: 237 (1998)
- = *Trichia fallax* var. *gracilis* Meyl., Bull. Soc. Vaud. Sci. Nat. 46: 53 (1910) [Kowalski, Mycologia 67(3): 461 (1975)]
- Trichia decipiens* var. *gracilis* (Meyl.) Meyl., Bull. Soc. Vaud. Sci. Nat. 58: 90 (1933) [Kowalski, Mycologia 67(3): 461 (1975)]
- = *Trichia decipiens* f. *rubiformis* Meyl., Annuaire Conserv. Jard. Bot. Genève 15-16: 320 (1913)
- = *Trichia decipiens* var. *hemitrichoides* Brândză, Ann. Sci. Univ. Jassy 8: 272 (1914)
- = *Trichia decipiens* var. *olivacea* f. *hemitrichoides* Brândză, Bull. Soc. Mycol. France 44: 280 (1928) [Petrak's list, 1953: 672]
- = *Trichia decipiens* var. *olivacea* f. *nodulosa* Brândză, Bull. Soc. Mycol. France 44: 280 (1928) [Petrak's list, 1953: 672]

- = *Trichia decipiens* var. *olivacea* f. *bifida* Brândză, Bull. Soc. Mycol. France 44: 281 (1928) [Petrak's list, 1953: 672]
- Trichia elaterensis*** (Mulleavy) Lado in Lado & Pando, Fl. Mycol. Iber. 2: 158 (1997)
- = *Arcyria elaterensis* Mulleavy, Mycologia 69(4): 693 (1977)
- Trichia erecta*** Rex, Proc. Acad. Nat. Sci. Philadelphia 42: 193 (1890) [M. & A., 1969: 159]
- Trichia favoginea*** (Batsch) Pers., Neues Mag. Bot. 1: 90 (1794) [M. & A., 1969: 160]
- = *Lycoperdon favogineum* Batsch, Elench. Fung. Continuatio Prima: 257 (1786) [M. & A., 1969: 160]
- Stemonitis favoginea* (Batsch) J. F. Gmel., Syst. Nat. 2: 1470 (1792) [M. & A., 1969: 160]
- = *Sphaerocarpus chrysospermus* Bull., Hist. Champ. France: 131 (1791) [M. & A., 1969: 160] [Previously published by the same author in Herb. France, pl. 417 fig. 4 (1789), but the genus is not described, and the art. 42.1 of ICBN (descriptio generico-specifica) is not applicable]
- Trichia chrysosperma* (Bull.) DC. in Lamarck & de Candolle, Fl. Franç., ed. 3, 2: 250 (1805) [M. & A., 1969: 160]
- = *Trichia jackii* Rostaf., Sluzowce Monogr.: 258 (1875) [M. & A., 1969: 160]
- Trichia affinis* var. *jackii* (Rostaf.) L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 33 (1893)
- = *Trichia abrupta* Cooke, Ann. Lyceum Nat. Hist. New York 11: 404 (1877) [M. & A., 1969: 160]
- Hemitrichia persimilis* var. *abrupta* (Cooke) Torrend, Brotéria, Sér. Bot. 7: 54 (1908)
- = *Trichia proximella* P. Karst., Bidrag Kännedom Finlands Natur Folk 31: 139 (1879) [M. & A., 1969: 160]
- = *Trichia balfourii* Massee, J. Roy. Microscop. Soc. London 1889: 339 (1889) [M. & A., 1969: 160]
- = *Trichia sulphurea* Massee, J. Roy. Microscop. Soc. London 1889: 339 (1889) [M. & A., 1969: 160]
- = *Trichia intermedia* Massee, J. Roy. Microscop. Soc. London 1889: 341 (1889) [non *T. intermedia* L. F. Čelak., 1893] [M. & A., 1969: 160]
- Hemitrichia persimilis* var. *intermedia* (Massee) Torrend, Brotéria, Sér. Bot. 7: 54 (1908)
- = *Trichia kalbreyeri* Massee, J. Roy. Microscop. Soc. London 1889: 344 (1889) [M. & A., 1969: 160]
- = *Trichia pulchella* Rex, Proc. Acad. Nat. Sci. Philadelphia 45: 366 (1893) [M. & A., 1969: 160]
- = *Trichia drakeae* Lodhi, Indian Slime-Moulds: (Myxomycetes), Publ. Univ. Punjab, Bot., 3: 20 (1934) ["drakei"] [M. & A., 1969: 160]
- Trichia fernbankensis*** Frederick, R. Simons & I. L. Roth, Trans. Brit. Mycol. Soc. 83(2): 369 (1984)
- Trichia fimicola*** (Marchal) Ing, Trans. Brit. Mycol. Soc. 50(4): 557 (1967)
- = *Trichia varia* var. *fimicola* Marchal, Bull. Soc. Roy. Bot. Belgique 34: 128 (1895)
- Trichia flavicoma*** (Lister) Ing, Trans. Brit. Mycol. Soc. 50(4): 558 (1967)
- = *Trichia botrytis* var. *flavicoma* Lister, Monogr. Mycetoza: 172 (1894) [M. & A., 1969: 156]
- Trichia munda* var. *flavicoma* f. *fusca* Meyl., Bull. Soc. Vaud. Sci. Nat. 57: 307 (1929) [Petrak's list, 1952: 509]
- Trichia heteroelaterum*** H. Z. Li & Yu Li in Li, Li & Wang, Mycosystema 2: 241 (1989)
- Trichia huizhongii*** Chao H. Chung & Tzean, Mycotaxon 74(2): 483 (2000) [Nom. nov., based on *T. ramosa* Yu Li & H. Z. Li, 1992, non *T. ramosa* (J. F. Gmel.) Mérat, 1821]
- = *Trichia ramosa* Yu Li & H. Z. Li, Mycosystema 5: 175 (1992) [Nom. ileg., non *T. ramosa* (J. F. Gmel.) Mérat, 1821]
- Trichia lutescens*** (Lister) Lister, J. Bot. 35: 216 (1897) [M. & A., 1969: 162]
- = *Trichia contorta* var. *lutescens* Lister, Monogr. Mycetoza: 169 (1894) [M. & A., 1969: 162]
- Hemitrichia karstenii* var. *lutescens* (Lister) Torrend, Brotéria, Sér. Bot. 7: 46 (1908) [M. & A., 1969: 162]
- = *Oligonema furcatum* Buckn. in Massee, Monogr. Myxogastr.: 173 (1892) [M. & A., 1969: 162] [non *T. furcata* Wigand, 1863]
- = *Hemitrichia obrussea* Meyl., Bull. Soc. Vaud. Sci. Nat. 52: 449 (1919) [M. & A., 1969: 162]
- = *Trichia lutescens* f. *pedata* Meyl., Bull. Soc. Vaud. Sci. Nat. 55: 243 (1924)
- = *Trichia lutescens* var. *auronitens* Meyl., Bull. Soc. Vaud. Sci. Nat. 56: 72 (1925) [Kowalski, Mycologia 67(3): 462 (1975)]
- Trichia macbridei*** M. Peck in Peck & Gilbert, Amer. J. Bot. 19(2): 145 (1932) [M. & A., 1969: 162]
- Trichia microspora*** Yu Li & Q. Wang in Li, Li & Wang, Mycosystema 2: 245 (1989)
- Trichia mirabilis*** Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 69(3): 347 (1966)
- Trichia munda*** (Lister) Meyl., Bull. Soc. Vaud. Sci. Nat. 56: 327 (1927)
- = *Trichia botrytis* var. *munda* Lister, J. Bot. 35: 216 (1897) [M. & A., 1969: 156]
- Trichia persimilis*** P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh 9: 353 (1868) [M. & A., 1969: 160]

- ≡ *Trichia favoginea* var. *persimilis* (P. Karst.) Y. Yamam., Myxomycete Biota Japan: 240 (1998)
- Trichia scabra*** Rostaf., Sluzowce Monogr.: 258 (1875) [M. & A., 1969: 163]
- = *Trichia nitens* Fr. ex Massee, J. Roy. Microscop. Soc. London 1889: 163 (1889) [M. & A., 1969: 163] [Nom. illeg., non *T. nitens* Pers., 1796, nec *T. nitens* Lib., 1834]
- = *Hemiarcyria bucknallii* Massee in Cooke, Grevillea 18: 27 (1889) [M. & A., 1969: 163]
- Arcyria bucknallii* (Massee) Massee, Monogr. Myxogastr.: 161 (1892) [M. & A., 1969: 163]
- = *Trichia minima* Massee, J. Roy. Microscop. Soc. London 1889: 336 (1889) [M. & A., 1969: 163]
- = *Trichia scabra* var. *lutea* Meyl., Bull. Soc. Bot. Genève 2: 266 (1910) [Kowalski, Mycologia 67(3): 463 (1975)]
- Trichia sordida*** Johannesen, Mycotaxon 20(1): 81 (1984)
- = *Trichia contorta* var. *engadinesis* Meyl., Bull. Soc. Vaud. Sci. Nat. 53: 460 (1921) [Illana, Moreno & Castillo, Cryptog. Mycol. 14(4): 252 (1993)]
- = *Trichia bicolor* S. L. Stephenson & M. L. Farr, Mycologia 82(4): 513 (1990) [Illana, Moreno & Castillo, Cryptog. Mycol. 14(4): 252 (1993)]
- = *Trichia sordida* var. *sordidoides* Illana & G. Moreno in Illana, Moreno & Castillo, Cryptog. Mycol. 14(4): 246 (1993)
- Trichia subfusca*** Rex, Proc. Acad. Nat. Sci. Philadelphia 42: 192 (1890) [M. & A., 1969: 163]
- ≡ *Trichia botrytis* var. *subfusca* (Rex) Lister, Monogr. Mycetozoa: 172 (1894) [M. & A., 1969: 163]
- Trichia subretispora*** T. N. Lakh. & K. G. Mukerji, Kavaka 7: 61 (1980) ["subretisporum"] ["1979"]
- Trichia synspora*** Kowalski & McNichols in Kowalski, Mycologia 66(2): 372 (1974) ["synsporum"]
- Trichia varia*** (Pers. ex J. F. Gmel.) Pers., Neues Mag. Bot. 1: 90 (1794) [M. & A., 1969: 164]
- ≡ *Stemonitis varia* Pers. ex J. F. Gmel., Syst. Nat. 2: 1470 (1792) [M. & A., 1969: 164]
- = *Trichia olivacea* Pers., Observ. Mycol. 1: 62 (1796) [M. & A., 1969: 164]
- = *Trichia cordata* Pers., Observ. Mycol. 2: 33 (1799) [M. & A., 1969: 164]
- Trichia nigripes* var. *cordata* (Pers.) Pers., Syn. Meth. Fung.: 179 (1801) [Nom. illeg.]
- Trichia nigripes* var. *cordata* (Pers.) Alb. & Schwein., Consp. Fung. Lusat.: 98 (1805) [Comb. superfl., proposed earlier by Persson, 1801]
- = *Trichia cylindrica* Pers., Observ. Mycol. 2: 33 (1799) [M. & A., 1969: 164]
- Trichia nigripes* var. *cylindrica* (Pers.) Pers., Syn. Meth. Fung.: 179 (1801) [Nom. illeg.]
- = *Trichia nigripes* Pers., Syn. Meth. Fung.: 178 (1801) [M. & A., 1969: 164]
- Trichia varia* var. *nigripes* (Pers.) Rostaf., Sluzowce Monogr.: 251 (1875)
- = *Trichia varia* var. *diluta* Alb. & Schwein., Consp. Fung. Lusat.: 100 (1805)
- = *Trichia varia* var. *subrufescens* Alb. & Schwein., Consp. Fung. Lusat.: 100 (1805)
- = *Trichia varia* var. *sessilis* Rostaf., Sluzowce Monogr.: 253 (1875)
- = *Trichia aculeata* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 34 (1893) [M. & A., 1969: 164]
- = *Trichia varia* var. *aurata* Meyl., Bull. Soc. Vaud. Sci. Nat. 44: 299 (1908) [Kowalski, Mycologia 67(3): 463 (1975)]
- = *Trichia varia* var. *irregularis* Meyl., Bull. Soc. Vaud. Sci. Nat. 44: 298 (1908)
- = *Trichia varia* var. *olivacea* Brândză, Bull. Soc. Mycol. France 44: 280 (1928) [Petrak's list, 1953: 672]
- Trichia verrucosa*** Berk. in Hooker, Fl. Tasman. 2(9): 269 (1859) ["1860"] [M. & A., 1969: 165]
- = *Trichia superba* Massee, J. Roy. Microscop. Soc. London 1889: 345 (1889) [M. & A., 1969: 165]
- TUBULIFERA** O. F. Müll. ex Jacq., Misc. Austriac. 1: 144 (1779?) ["1778"] [Is a prioritary name over *Tubifera* J. F. Gmel., 1792]
- = *Tubulifera* O. F. Müll., Fl. Dan. 4(11): 8, tab. 659 (1775) [Nom. inval., there is not a generic description]
- ≡ *Tubifera* J. F. Gmel., Syst. Nat. 2: 1472 (1792) [Nom. illeg.]
- = *Tubulina* Pers., Neues Mag. Bot. 1: 91 (1794) [M. & A., 1969: 54]
- = *Alwisia* Berk. & Broome, J. Linn. Soc., Bot. 14: 86 (1873) [M. & A., 1969: 54]
- = *Siphoptychium* Rostaf., Sluzowce Monogr. Suppl.: 32 (1876) [M. & A., 1969: 54]
- Tubulifera arachnoidea*** Jacq., Misc. Austriac. 1: 144 (1779?) ["1778"]
- = *Stemonitis ferruginosa* Batsch, Elench. Fung. Continuatio Prima: 261 (1786) [M. & A., 1969: 56]

- Tubifera ferruginosa* (Batsch) J. F. Gmel., Syst. Nat. 2: 1472 (1792) [M. & A., 1969: 56]
- = *Lycoperdon favaceum* Schrank, Baier. Fl. 2: 667 (1789) [M. & A., 1969: 56]
- = *Sphaerocarpus cylindricus* Bull., Hist. Champ. France: 140 (1791) [M. & A., 1969: 56] [Previously published by the same author in Herb. France, pl. 470 fig. 3 (1790), but the genus is not described, and the art. 42.1 of ICBN (descriptio generico-specifica) is not applicable]
- Tubifera cylindrica* (Bull.) J. F. Gmel., Syst. Nat. 2: 1472 (1792) [M. & A., 1969: 56]
- Tubulina cylindrica* (Bull.) DC. in Lamarck & de Candolle, Fl. Franç., ed. 3, 2: 249 (1805) [M. & A., 1969: 56]
- Licea cylindrica* (Bull.) Fr., Syst. Mycol. 3: 195 (1829) [M. & A., 1969: 56]
- = *Sphaerocarpus fragiformis* Bull., Hist. Champ. France: 141 (1791) [M. & A., 1969: 56] [Previously published by the same author in Herb. France, pl. 384 (1788), but the genus is not described, and the art. 42.1 of ICBN (descriptio generico-specifica) is not applicable]
- Tubifera fragiformis* (Bull.) J. F. Gmel., Syst. Nat. 2: 1472 (1792) [M. & A., 1969: 56]
- Tubulina fragiformis* (Bull.) Pers., Neues Mag. Bot. 1: 91 (1794) [M. & A., 1969: 56]
- Licea fragiformis* (Bull.) Nees, Syst. Pilze: 107 (1816) [M. & A., 1969: 56]
- = *Licea tubulina* Schrad., Nov. Gen. Pl.: 16 (1797) [M. & A., 1969: 56]
- = *Licea clavata* Schrad., Nov. Gen. Pl.: 18 (1797) [M. & A., 1969: 56]
- Tubulina fragiformis* var. *clavata* (Schrad.) Pers., Observ. Mycol. 2: 30 (1799)
- = *Tubulina coccinea* Trentep. in Roth, Catal. Bot. 1: 243 (1797) [M. & A., 1969: 56]
- Tubulina fragiformis* var. *coccinea* (Trentep.) Pers., Observ. Mycol. 2: 31 (1799)
- = *Tubulina fallax* Pers., Observ. Mycol. 2: 28 (1799) [M. & A., 1969: 56]
- Licea fallax* (Pers.) Fr., Symb. Gasteromyc.: 12 (1817) [M. & A., 1969: 56]
- = *Tubulina fragiformis* var. *conica* Pers., Observ. Mycol. 2: 30 (1799)
- = *Tubulina fragiformis* var. *papillata* Pers., Observ. Mycol. 2: 30 (1799)
- = *Tubulina fragiformis* var. *operculata* Pers., Observ. Mycol. 2: 32 (1799)
- = *Tubulina fragifera* Poir. in Lamarck, Encycl. 8: 130 (1808) [M. & A., 1969: 56]
- = *Licea effusa* Ehrenb., Sylv. Myc. Berol.: 18 (1818) [p.p., cf. *Lindbladia tubulina* Fr.] [M. & A., 1969: 56, 74]
- = *Licea iricolor* Zoll., Natuur-Geneesk. Arch. Ned.-Indië 1: 376 (1844) [M. & A., 1969: 57]
- = *Tubulina conglobata* Preuss, Linnaea 24: 140 (1851) [M. & A., 1969: 57]
- = *Licea rubiformis* Berk. & M. A. Curtis in Berkeley, Proc. Amer. Acad. Arts 4: 125 (1859) [M. & A., 1969: 57]
- = *Tubulina nitidissima* Berk., J. Linn. Soc., Bot. 18: 387 (1881) [M. & A., 1969: 57]
- = *Tubulina speciosa* Speg., Atti Soc. Crittog. Ital. 3: 62 (1881) [M. & A., 1969: 57]
- = *Tubifera ferruginosa* var. *complanata* Meyl., Bull. Soc. Vaud. Sci. Nat. 51: 305 (1931) [Kowalski, Mycologia 67(3): 451 (1975)]
- = *Tubifera ferruginosa* var. *subungulata* Koaze in Nakagawa, J. Chosen Nat. Hist. Soc. 17: 26 (1934)
- = *Tubifera ferruginosa* var. *albostipitata* Wichansky, Česká Mykol. 16: 42 (1962)
- Tubulifera bombarda* (Berk. & Broome) Lado, comb. nov.**
- = *Alwisia bombarda* Berk. & Broome, J. Linn. Soc., Bot. 14: 86 (1873)
- Prototrichia bombarda* (Berk. & Broome) Massee, Monogr. Myxogastr.: 128 (1892) [M. & A., 1969: 55]
- Tubifera bombarda* (Berk. & Broome) G. W. Martin, Brittonia 13: 110 (1961) [M. & A., 1969: 55]
- Tubulifera casparyi* (Rostaf.) Lado, comb. nov.**
- = *Siphoptychium casparyi* Rostaf., Sluzowce Monogr. Suppl.: 32 (1876)
- Tubifera casparyi* (Rostaf.) T. Macbr., N. Amer. Slime-Moulds: 157 (1899) [M. & A., 1969: 56]
- Tubulifera dictyoderma* (Nann.-Bremek. & Loer.) Lado, comb. nov.**
- = *Tubifera dictyoderma* Nann.-Bremek. & Loer. in Nannenga-Bremekamp, Proc. Kon. Ned. Akad. Wetensch., C 88(1): 121 (1985)
- Tubulifera dimorphotheca* (Nann.-Bremek. & Loer.) Lado, comb. nov.**
- = *Tubifera dimorphotheca* Nann.-Bremek. & Loer., Proc. Kon. Ned. Akad. Wetensch., C 84(2): 237 (1981)
- Tubulifera microsperma* (Berk. & M. A. Curtis) Lado, comb. nov.**
- = *Licea microsperma* Berk. & M. A. Curtis in Berkeley, Grevillea 2: 68 (1873)
- Tubifera microsperma* (Berk. & M. A. Curtis) G. W. Martin, Mycologia 39(4): 461 (1947) [M. & A., 1969: 57]

- = *Licea stipitata* Berk. & Ravenel in Berkeley & Curtis, Proc. Amer. Acad. Arts 4: 125 (1860) [Nom. illeg., non *L. stipitata* DC., 1815] [M. & A., 1969: 57]
- Tubulina stipitata* Berk. & Ravenel ex Rostaf., Sluzowce Monogr.: 223 (1875) [M. & A., 1969: 57]
- Tubifera stipitata* (Berk. & Ravenel ex Rostaf.) T. Macbr., N. Amer. Slime-Moulds: 157 (1899) [M. & A., 1969: 58]
- Tubifera ferruginosa* var. *stipitata* (Berk. & Ravenel ex Rostaf.) Torrend, Brotéria, Sér. Bot. 7: 22 (1908)
- Tubulifera papillata*** (G. W. Martin, K. S. Thind & Sohi) Lado, **comb. nov.**
- ≡ *Tubifera papillata* G. W. Martin, K. S. Thind & Sohi, Mycologia 49(1): 131 (1957)
- WILLKOMMLANGEA** Kuntze, Revis. Gen. Pl. 2: 875 (1891)
- = *Cienkowskia* Rostaf., Vers. Syst. Mycetozoen: 9 (1873) [Nom. illeg., non *Cienkowskia* Regel & Rach, 1858, nec *Cienkowskyia* Solms, 1867] [M. & A., 1969: 243]
- Willkommlangea reticulata** (Alb. & Schwein.) Kuntze, Revis. Gen. Pl. 2: 875 (1891)
- ≡ *Physarum reticulatum* Alb. & Schwein., Consp. Fung. Lusat. :90 (1805) [non *Ph. reticulatum* Berl., 1888] [M. & A., 1969: 244]
- Diderma reticulatum* (Alb. & Schwein.) Fr., Syst. Mycol. 3: 112 (1829) [Non *D. reticulatum* (Rostaf.) Morgan, 1894]
- Cienkowskia reticulata* (Alb. & Schwein.) Rostaf., Sluzowce Monogr. :91 (1874) [M. & A., 1969: 244]

INVALID, EXCLUDED OR DOUBTFUL NAMES

- Aethalium geophilum* Peck, Annual Rep. New York State Mus. 28: 54 (1875)
Probably *Hyphelia terrestris* Peck, an imperfect fungus [Farr, Int. J. Mycol. Lichenol. 3: 200 (1988)].
- Aethalium melaenum* Chevall., Fung. Byss. Illustr. 1, pl. 32 (1837)
Probably *Lindbladia tubulina* Fr. Chevallier's (unpaged) description, and the figure, make it more than doubtful whether it can be assigned to *Lindbladia* [M. & A., 1969: 74].
- "*Aethalium microscopica* Wallr."
Cited by Rostański, Sluzowce Monogr.: 219 (1875), as a synonym of *Licea flexuosa* Pers. [M. & A., 1969: 410].
- "*Aethalium mininum* Wallr. in litt."
Cited by Rostański, Sluzowce Monogr.: 219 (1875), as a synonym of *Licea flexuosa* Pers. [M. & A., 1969: 410].
- Aethalium rufum* Aleksandrovic, Miksom., tab. 11 figs. 6-11. 1872
Cited by Rostański, Sluzowce Monogr.: 136 (1874), as a synonym of *Fuligo septica* (L.) F. H. Wigg. Reference not located. If proposed as new, a later homonym of *A. rufum* (Pers.) Wallr., 1833.
- Agaricus platypus* Bisch., Bot. Kuntsprache, taf. VII fig. 166 (1822)
See comments under *Didymium platypus* (Bisch.) Hazsl.
- Amaurochaete speciosa* Zukal, Verh. Zool.-Bot. Ges. Wien 35: 335 (1885)
Cited by Berlese in Saccardo, Syll. Fung. 7: 399 (1888), as a synonym of *A. tubulina* (Alb. & Schwein.) T. Macbr.; by Lister, Monogr. Mycetozoa: 110 (1894), and by G. Lister in eds. 2 and 3 of the same, as a definite synonym of *Stenonitis fusca* var. *confluens* Lister [M. & A., 1969: 175].
- "*Angioridium valvatum* Fr. ex Berl." in Saccardo, Syll. Fung. 7: 347 (1888)
Is likewise a myth. Fr., Syst. Mycol., Index: 51 (1832), merely suggested that *Diderma valvatum* Fr. and *Physarum sinuosum* (Bull.) Weinm. might be synonyms of *A. sinuosum* (Bull.) Grev. [M. & A., 1969: 289].
- "*Arcyrella affinis* Rostaf." ex Krzemien., Sluzowce Polsk.: 263 (1960)
Cited as synonym of *Arcyria affinis* Rostaf. Not validly published. Rostański, did include the species in his subgenus *Arcyrella* [M. & A., 1969: 138].
- Arcyrella similis* Racib., Rozpr. Spraw. Posiedzen Wydz. Mat.-Przyr. Akad. Umiejtn 12: 81 (1884)
Cited as synonym of *Arcyria affinis* Rostaf., q.v., by Krzemieniewska., Sluzowce Polsk.: 263 (1960) [M. & A., 1969: 138].
- Arcyria adnata* (Batsch) Rostaf., Sluzowce Monogr. Suppl.: 36 (1876)
Based on *Clathrus adnatus* Batsch, see comments under this species.
- "*Arcyria albispora* Hertel", Dusenja 5(3-4): 192 (1954)
Nom. inval., cited by Hertel as "in litteris". No publication has been found.
- "*Arcyria anomala* de Bary msc."
Cited by Rostański, Sluzowce Monogr.: 289 (1815), as a synonym of *Cornuvia serpula* (Wigand) Rostaf. [M. & A., 1969: 410].
- Arcyria calyculata* Massee, Monogr. Myxogastr.: 162 (1892)
Probably a *Hemitrichia* close to *H. calyculata* (Speg.) M. L. Farr [M. & A., 1969: 138].
- Arcyria carletae* Hertel, Dusenja 5: 120 (1954)
Description suggests a brown form of *A. cinerea* (Bull.) Pers. If these forms should be regarded as distinct, this name should be considered [M. & A., 1969: 138].
- Arcyria carnea* Schumach., Enum. Pl. 2: 213 (1803)
G. Lister says may be *A. carnea* (G. Lister) G. Lister. Rostański, Sluzowce Monogr.: 275 (1875), cited it as a synonym of *A. incarnata* (Pers. ex J. F. Gmel.) Pers. [M. & A., 1969: 124].
- Arcyria carnea* Wallr., Fl. Crypt. Germ. 2: 383 (1833)
Not a myxomycete. A *Stilbella*?, see G. Lister, Monogr. Mycetozoa, ed. 3: 259 (1925) [M. & A., 1969: 138].
- Arcyria cincta* Schumach., Enum. Pl. 2: 215 (1803)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 235 (1925), as a possible synonym of *A. denudata* (L.) Wettst. [M. & A., 1969: 410].
- "*Arcyria cinerea* (Bull.) Schumach.", Enum. Pl. 2: 213 (1803)
Cited by Berlesse in Saccardo, Syll. Fung. 7: 427 (1888). Comb. superfl., previously proposed by Persoon, 1801.
- Arcyria cinerea* (Schumach.) Hornem., Fl. Dan. 11(33): 13, pl. 197 (1829)
"vix Pers." refers to Fries "n. 4" which is *A. cinerea* (Bull.) Pers. in the modern sense. He cites Schumacher "l.c. p. 19" [M. & A., 1969: 138].
- Arcyria cinerea* Fr., Syst. Mycol. 3: 180 (1829)
Not *A. cinerea* (Bull.) Pers. according to Berkeley and Broome, who applied the name *A. friesii* Berk. & Broome to it. Fries cites *Trichia cinerea* Bull. and *Arcyria albida* Pers., both of which are now regarded as referring to *A. cinerea* (Bull.) Pers. On p. 179, Fries cites *A. cinerea* Pers., Syn. Meth. Fung.: 179 (1801), as a synonym of *A. fusca* Fr., quoting Albertini & Schweinitz as authority. *Arcyria cinerea* Fr. is clearly a later homonym of *A. cinerea* (Bull.) Pers., applied to what is now regarded as the same species [M. & A., 1969: 138].
- "*Arcyria cinnamomea* J. S. Kaulf. msc."
Cited by Rostański, Sluzowce Monogr.: 279 (1875) as a synonym of *A. dicyonema* Rostaf. (*A. ferruginea* Saut. of present treatment) [M. & A., 1969: 410].

- Arcyria coccinea* (Bull.) Duby, Bot. Gall., ed. 2: 857 (1830)
Name based on *Sphaerocarpus coccineus* Bull. See comments under *Stemonitis coccinea* (Bull.) J. F. Gmel. [M. & A., 1969: 410].
- Arcyria cylindrica* Schumach., Enum. Pl. 2: 215 (1803)
Cited as a doubtful synonym of *A. denudata* (L.) Wettst. by G. Lister, Monogr. Mycetozaa, ed. 3: 235 (1925) [M. & A., 1969: 138].
- Arcyria decipiens* Berk., Ann. Mag. Nat. Hist., ser. 1, 9: 447 (1842)
Nom. illeg., non *A. decipiens* Pers., 1795. Placed by G. Lister, Monogr. Mycetozaa, ed. 3: 221 (1925) in her *Hemitrichia clavata* complex. Since it came from Brazil, it is probably *H. calyculata* (Speg.) M. L. Farr [M. & A., 1969: 138].
- "*Arcyria decipiens* Racib." ex G. Lister, Monogr. Mycetozaa, ed. 2: 234 (1911)
Not validly published. See *Arcyrella decipiens* Racib. [M. & A., 1969: 138].
- Arcyria dentata* Schumach., Enum. Pl. 2: 213 (1803)
Doubtful synonym of *A. denudata* (L.) Wettst., according to G. Lister, Monogr. Mycetozaa, ed. 2: 240 (1911) [M. & A., 1969: 138].
- Arcyria denudata* Fr., Nov. Symb. Mycol. 1(1): 135 (1851)
If it is demonstrated that they are distinct species, this name is an earlier homonym of *A. denudata* (L.) Wettst., 1886.
- Arcyria denudata* var. *rosea* Solacolu & Forstner, Contributiuni la Studiul Myxomycetelor din România: 56 (1940)
Nom. inval., see ICBN, art. 36.1, without Latin description or diagnosis.
- "*Arcyria elongata* Bong. in herb." ex Berl. in Saccardo, Syll. Fung. 7: 439 (1888)
Cited in synonymy. Probably not validly published [M. & A., 1969: 138].
- "*Arcyria enermis* Minakata & Koaze"
Cited by Yamamoto, Kochi-ken no Shokubutsu 8: 9 (1986). Doubtful.
- Arcyria ferruginea* Fuckel, Hedwigia 5(1): 16 (1866)
Cited by M. & A. (1969: 127) as Fuckel, Jahrb. Nassauischen Vereins Naturk. 23-24: 337 (1870) [1869]. Validly published but illegitimate, non *A. ferruginea* Saut., 1841.
- Arcyria flexuosa* Rabenh., Deutschl. Krypt.-Fl. 1: 258 (1844)
Doubtful synonym of *A. oerstedi* Rostaf., according to G. Lister, Monogr. Mycetozaa, ed. 3: 240 (1925) [M. & A., 1969: 138].
- Arcyria fonsecae* Hertel, Dusenja 5: 119 (1954)
No material has been available for examination. Appears to agree with *A. ferruginea* Saut. in color, shape and spore size, but differs in capillitium [M. & A., 1969: 138].
- Arcyria forstneri* Brândză, Stud. Cercet. Biol. (Bucharest), Ser. Biol. Veg. 27(3): 202 (1975)
Nom. inval., see ICBN, art. 36.1, without Latin description or diagnosis.
- Arcyria fusca* Fr., Symb. Gasteromyc.: 17 (1818)
Cited by Lister, Monogr. Mycetozaa, ed. 2: 240 (1911), as doubtful synonym of *A. denudata* (L.) Wettst. But see Fries, Syst. Mycol. 3: 179 (1829), and Killerman, Ber. Deutsch. Bot. Ges. 54: 556, pl. 37a (1936) [M. & A., 1969: 138].
- Arcyria glomerata* Fr., Summa Veg. Scand.: 457 (1849)
Without description but with citation of *Trichia circumscissa* Wallr. Evidently intended as change of name. Cited in Lister, Monogr. Mycetozaa, ed. 2: 248 (1911), as possible synonym of *Perichaena chrysosperma* (Curr.) Lister [M. & A., 1969: 138].
- "*Arcyria grisea* Opiz", Lotos 4: 25 (1855)
Cited by M. & A., 1969: 138 in reference to Berlese in Saccardo, Syll. Fung. 7: 427 (1888). An error, Berlese cited *Stemonitis grisea* Opiz.
- Arcyria hemitrichioides* Koaze, Hiroshima Ryakus.: 5 (1936)
Cited by Yamamoto, Myxomycete Biota Japan: 191 (1998), as a nom. inval., under the synonyms of *Arcyria stipata* var. *imperialis* (G. Lister) Y. Yamam.
- Arcyria imperialis* (Lister) Yu Li & Q. Wang, in Lado & Hernández (Eds.), II. Congr. Int. Sist. Ecol. Myxomycetes: 64 (1996)
Nom. inval., see ICBN, art. 33.3, Basionym reference omitted. Probably based on *Hemitrichia imperialis* G. Lister.
- Arcyria lateritia* de Bary, Mycetozaa: 21 (1864)
Not formally and probably not validly described. Cited by Rostafinski, Sluzowce Monogr.: 279 (1875), as synonym of *A. ferruginea* Saut., "p.p." in index [M. & A., 1969: 138].
- Arcyria leocarpoides* (Speg.) Massee, Monogr. Myxogastr.: 167 (1892)
Based on *Cornuvia leocarpoides* Speg. Probably *Hemitrichia calyculata* (Speg.) M. L. Farr [M. & A., 1969: 139].
- Arcyria lilacina* Quél., Assoc. Franç. Avancem. Sci. Supp. 13: 8 (1884)
Not seen. If described as new, a later homonym of *A. lilacina* Schumach., 1803 [M. & A., 1969: 410].
- Arcyria melanocephala* Schumach., Enum. Pl. 2: 213 (1803)
Possible synonym of *A. denudata* (L.) Wettst. See G. Lister, Monogr. Mycetozaa, ed. 2: 240 (1911) [M. & A., 1969: 139].
- Arcyria nutans* var. *exigua* Bong., Hymen. Gasteromyc.: 609 (1836)
Cited by Berlese in Saccardo, Syll. Fung. 7: 428 (1888), as a synonym of *A. adnata* (Batsch) Rostaf., *A. incarnata* (Pers. ex J. F. Gmel.) Pers. of the present treatment.
- Arcyria nutans* var. *minor* Bong., Hymen. Gasteromyc.: 609 (1836)
Cited by Berlese in Saccardo, Syll. Fung. 7: 429 (1888), as a synonym of *A. nutans* (Bull.) Grev., *A. obvelata* (Oeder) Onsberg of the present treatment.
- "*Arcyria ochracea* de Bary msc." Rostaf., Sluzowce Monogr.: 279 (1875)
No record of valid publication found [M. & A., 1969: 410].
- "*Arcyria olivacea* Ransch."
So cited by Berlese in Saccardo, Syll. Fung. 7: 442 (1888), under the synonyms of *Trichia varia* var. *nigripes* (Pers.) Rostaf. [M. & A., 1969: 139].
- "*Arcyria pallens* Wallr. in litt." Rostaf., Sluzowce Monogr.: 277 (1875)
Copied in later works. No record of valid publication found [M. & A., 1969: 410].

Arcyria pedicula Hill."

Cited by Berlese in Saccardo, Syll. Fung. 7: 426 (1888). Surely pre-Linnaean [M. & A., 1969: 410].

Arcyria punicea var. *vermicularis* (Schumach.) Fr., Syst. Mycol. 3: 178 (1829)

Based on *A. vermicularis* Schumach. G. Lister, Monogr. Mycetozoa, ed. 2: 245 (1911), cited both the species and the variety as possible synonyms of *A. oerstedii* Rostaf. [M. & A., 1969: 139].

Arcyria pusilla (Speg.) Massee, Monogr. Myxogastr.: 168 (1892)

Based on *Hemitrichia pusilla* Speg., see comment under this species [M. & A., 1969: 139].

Arcyria pyriformis F. H. Wigg., Prim. Fl. Holsat.: 110 (1780)

Wiggers cites Haller, "n. 2163, T. 48, f. 4." Probably an *Arcyria* but otherwise unidentifiable [M. & A., 1969: 139].

Arcyria ramulosa (F. Rudolphi) Wigand, Jahrb. Wiss. Bot. 3: 43 (1863)

Based on *Trichia ramulosa* F. Rudolphi, see comment under this species [Farr, Fl. Neotrop., 16: 82 (1976)].

Arcyria rosea Spreng

Cited, without bibliographical reference in Rostański, Sluzowce Monogr.: 276 (1875), as a synonym of *A. incarnata* (Pers. ex J. F. Gmel.) Pers. No publication record has been found. *Arcyria rosea*, without author citation, is mentioned by Persoon in legend to pl. 5 figs. 4-5 in Ann. Bot. (Usteri) 20: 128 (1796). The inference is that *A. rosea* was published by Persoon in Observ. Mycol. (1796) but not found [M. & A., 1969: 410].

Arcyria rufa (Dicks.) Schumach., Enum. Pl. 2: 214 (1803)

Based on *Lycoperdon rufum* Dicks., Fasc. Pl. Crypt. Brit. 1: 35 (1785). Cited in G. Lister, Monogr. Mycetozoa, ed. 2: 240 (1911), as possible synonym of *A. denudata* (L.) Wettst. [M. & A., 1969: 139].

"Arcyria sessilis Hill", Berlese in Saccardo, Syll. Fung. 7: 428 (1888)

Cited without reference. Surely pre-Linnaean [M. & A., 1969: 410].

"Arcyria similis Racib." ex G. Lister, Monogr. Mycetozoa, ed. 2: 242 (1911)

Not validly published. See *Arcyrella similis* Racib. [M. & A., 1969: 139].

Arcyria stellfeldii Hertel, Dusenja 5: 122 (1954)

Appears to be close to *A. cinerea* (Bull.) Pers. [M. & A., 1969: 139; Farr, Fl. Neotrop., 16: 83 (1976)].

Arcyria straminea Wallr., Fl. Crypt. Germ. 2: 383 (1833)

According to Berlese in Saccardo, Syll. Fung. 7: 429 (1888), a synonym of *A. nutans* (Bull.) Grev. [*A. obvelata* (Oeder) Onsberg of the present treatment]. G. Lister, Monogr. Mycetozoa, ed. 2: 236 (1911), listed it as a doubtful synonym of *A. cinerea* (Bull.) Pers. [M. & A., 1969: 139].

Arcyria trichia F. H. Wigg., Prim. Fl. Holsat.: 109 (1780)

Not identifiable [M. & A., 1969: 139].

Arcyria trichioides F. Rudolphi, Linnaea 5: 120 (1855)

Nom. illeg., a later homonym of *A. trichioides* Corda, 1838. Cited by Berlese in Saccardo, Syll. Fung. 7: 447 (1888), as a synonym of *Hemiarcyria clavata* (Pers.) Rostaf. [M. & A., 1969: 139].

Arcyria umbrina Schumach., Enum. Pl. 2: 213 (1803)

A possible synonym of *A. pomiformis* (Leers) Rostaf., G. Lister, Monogr. Mycetozoa, ed. 2: 238 (1911) [M. & A., 1969: 139].

Arcyria vermicularis Schumach., Enum. Pl. 2: 212 (1803)

Arcyria punicea var. *vermicularis* (Schum.) Fr., Syst. Mycol. 3: 178 (1829), was based on this. G. Lister, Monogr. Mycetozoa, ed. 2: 245 (1911), cited both the species and the variety as possible synonyms of *A. oerstedii* Rostaf. [M. & A., 1969: 139].

Arcyria viridis Zoll., Natuur-Genesesk. Arch. Ned.-Indië 1: 377 (1844)

Description, reprinted in Flora 3: 300 (1847), suggests a small, bright green *Arcyria*, not unlike *A. glauca* Lister [M. & A., 1969: 410].

"Arongylium atrum (Alb. & Schwein.) Link", Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 3: 24 (1809)

Link published the combination only by inference in the paper cited, and *Arongylium* was a printer's error for *Strongylium*, corrected by Link in 1815. The actual combination was first published by Swartz in 1815, based on *Lycogala atrum* Alb. & Schwein., 1805 [M. & A., 1969: 410].

Badhamia capsulifera Cooke, Fung. Brit. Exs. No. 526 (1872)

Chondrioderma? cookei Rostaf., Sluzowce Monogr. Suppl.: 17 (1876), was based on this. Cooke, Contr. Mycol. Brit.: 17 (1877), cites it as a synonym of *Physarum tussilaginis* Berk. & Broome, but on p. 81 recognizes it under *C. cookei* as a distinct species. Probably a *Didymium*, possibly *D. squamulosum* (Alb. & Schwein.) Fr. or *D. dubium* Rostaf. [M. & A., 1969: 262].

Badhamia carnea Oudem., Ned. Kruidk. Arch. 6 ser. 2, 1(2): 166 (1873)

Not a myxomycete. A fungus, possibly a *Tubercularia*, see G. Lister, Monogr. Mycetozoa, ed. 3: 259 (1925) [M. & A., 1969: 262].

Badhamia citrinella L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 77 (1893)

According to Lister & G. Lister, J. Bot. 40: 211 (1902), this is a form of *Physarum auriscalpium* Cooke. In the light of more recent studies this must be regarded as doubtful [M. & A., 1969: 262].

Badhamia fasciculata (Jungh.) Rostaf., Sluzowce Monogr. Suppl.: 2 (1876)

Based on *Physarum fasciculatum* Jungh., Crypt. Java: 11 (1838). Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 52 (1924), as possible synonym of *Ph. reniforme* (Massee) G. Lister. Identity uncertain. Possibly *Ph. compressum* Alb. & Schwein. of the present treatment [M. & A., 1969: 262].

Badhamia fulvella Berk., Trans. Linn. Soc. London 21: 154 (1853)

The identity is uncertain.

Badhamia fulvescens Cooke, Grevillea 4: 69 (1875)

Not a myxomycete. The 2nd and 3rd editions of the Lister monograph state that according to Cooke it is a perisporiaceous fungus [M. & A., 1969: 262].

Badhamia hyalina var. *"genuina"* Rostaf., Sluzowce Monogr.: 140 (1874)

Nom. inval., see ICBN, art. 24.3.

Badhamia incarnata Oudem.

Cited by Rostafinski, Sluzowce Monogr.: 357 (1875) as uncertain. Reference possibly to Oudemans, 1872 [M. & A., 1969: 410].

Badhamia irregularis Cooke & Ellis, Grevillea 5: 89 (1876)

Not recognizable from description [M. & A., 1969: 262].

Badhamia mandshurica Skvortsov, Philipp. J. Sci. 46: 86 (1931)

Neither description nor illustrations, pl. 2 figs. 6-8, permit recognition, but apparently close to *B. affinis* Rostaf. [M. & A., 1969: 262].

Badhamia microcarpa J. Schröt., Krypt.-Fl. Schlesien Pilze Schles. 3(1): 131 (1886)

Perhaps a small-spored form of *B. foliicola* Lister, see G. Lister, Monogr. Mycetoza, ed. 3: 13 (1925) [M. & A., 1969: 262].

Badhamia utricularis var. *genuina* Rostaf., Sluzowce Monogr.: 143 (1874)

Nom. inval., see ICBN, art. 24.3.

Badhamia utricularis var. *melaleuca* (Nyl.) Berl. in Saccardo, Syll. Fung. 7: 332 (1888)

Based on *Physarum melaleucum* Nyl., see comments under this species.

“*Bovista miniata* Dill.”, Cat. Pl. Circa Gissam, pl. 197 (1719)

Cited by Berlese in Saccardo, Syll. Fung. 7: 435 (1888), as a synonym of “*Lycogala epidendrum* Buxb.,” and often copied by later authors. Both names, as so cited, pre-Linnaean [M. & A., 1969: 411].

Byssus bombycina Retz., Kongl. Svenska Vetenskapsakad. Handl. 30: 251 (1769)

Cited by Berlese in Saccardo, Syll. Fung. 7: 388 (1888) in synonymy of *Spumaria alba* (Bull.) DC. We have been unable to verify the reference [M. & A., 1969: 411].

Ceratiomyxa sphaerospora Skup., Bull. Soc. Mycol. France 32: 39, fig. 3 (1916)

No specimens exist for verification [M. & A., 1969: 36].

Ceratium rubicundum Ehrenb. ex Link, Handbuch 3: 433 (1833)

Cited by Saccardo, Syll. Fung. 4: 596 (1886), as a synonym of *C. hydnoides* (Jacq.) Alb. & Schwein., referring to “Link Sp. II, p. 119” which we have not located [M. & A., 1969: 411].

Chondrioderma andinum Speg. in herb.

The type specimen of this evidently unpublished species contains a species of *Didymium* –perhaps close to *D. quitense* (Pat.) Torrend– or *Lepidoderma* in fair condition [Farr, Fl. Neotrop., 16: 280 (1976)].

Chondrioderma anomalum Rostaf., Sluzowce Monogr.: 169 (1874)

Is cited by G. Lister as a possible synonym of *Didymium squamulosum* (Alb. & Schwein.) Fr., but that is more than doubtful [M. & A., 1969: 399].

“*Chondrioderma cookei* Massee in herb. Kew”

Cited by Massee, Monogr. Myxogastr.: 207 (1892), as synonym of *C. virgineum* Massee, q.v. under *Diderma spumarioides* (Fr.) Fr. Not validly published; presumably only a reference to a misdetermined species [M. & A., 1969: 373].

Chondrioderma difforme var. *finisedum* Rostaf., Sluzowce Monogr. Suppl.: 20 (1876)
Identity uncertain.*Chondrioderma friesianum* Rostaf., Jahrb. Nassauischen Vereins Naturk. 27-28: 74 (1873)

Originally said to be close to *Diderma testaceum* (Schrad.) Pers.; later referred to other species as a possible synonym. Uncertain [M. & A., 1969: 373].

Chondrioderma frustulosum Pat., Bull. Herb. Bois. 3: 61 (1895)

Brief description in Saccardo, Syll. Fung. 11: 464 (1895). Cited in editions 2 and 3 of Lister monograph as doubtful synonym of *Diderma globosum* Pers. Uncertain [M. & A., 1969: 373].

Chondrioderma mutabile J. Schröt., Krypt.-Fl. Schlesien Pilze Schles. 3(1): 123 (1885)

Cited by G. Lister, Monogr. Mycetoza, ed. 3: 90 (1925), as a possible synonym of *Diderma deplanatum* Fr. [M. & A., 1969: 373].

Chondrioderma puiggari Speg., Bol. Acad. Nac. Ci. 11: 475 (1889)

Cited by G. Lister, Monogr. Mycetoza, ed. 3: 92 (1925), as possible synonym of *Diderma simplex* (J. Schröt.) G. Lister [M. & A., 1969: 373].

Chondrioderma spumarioides var. *carcerina* Rostaf., Sluzowce Monogr.: 175 (1874)

Rostafinski’s pl. 8 figs. 142-145, show globose sporangia not immersed in the hypothallus, which suggests *Diderma globosum* Pers., but that is far from certain [M. & A., 1969: 411].

Chondrioderma stahlitii Rostaf., Sluzowce Monogr.: 185 (1874)

Recognized by Berlese, Cooke and Massee, but descriptions might apply to various species. Lister, Monogr. Mycetoza: 88 (1894), said it suggested a form of *C. radiatum* (L.) Rostaf. See also G. Lister, Monogr. Mycetoza, ed. 3: 97 (1925) [M. & A., 1969: 373].

Cienkowskia transiliensis Golovenko, Mater. First Co-ord. Congr. Mycol. Central Asia and Kazakhstan 1960: 131 (1960)

Nom. inval., see ICBN, art. 36.1, without Latin description or diagnosis. The Russian description does not suggest a *Cienkowskia* (M. & A., 1969: 244).

Cionium carolinense Spreng, Syst. Veg. 4(1): 529 (1827)

Not recognizable from description. *Lycoperdon transversarium* Bosc, cited as synonym [M. & A., 1969: 411].

“*Cionium complanatum* Link” ex Wallr., Fl. Crypt. Germ. 2: 365 (1833)

Possibly based on *Didymium complanatum* Schrad. [M. & A., 1969: 411].

Cionium farinaceum (Schrad.) Nees, Syst. Pilze: 114 (1816)

Cited by Berlese in Saccardo, Syll. Fung. 7: 377 (1888), as a synonym of *Didymium squamulosum* (Alb. & Schwein.) Fr., citing Nees’s pl. 9 fig. 106B. Nees’s name is based on *Physarum farinaceum* (Schrad.) Pers., generally believed to be the species here listed as *Didymium melanospermum* (Pers.) T. Macbr., but the figure does suggest *D. squamulosum* (M. & A., 1969: 411). In any case a comb. superfl., previously proposed by Gray, Nat. Arr. Brit. Pl. 1: 571 (1821).

- Cionium physaroides* (Link) Spreng., Syst. Veg. 4(1): 529 (1827)
Based on *Leangium physaroides* Link, q.v. [M. & A., 1969: 411].
- Cionium senegalense* Spreng., Syst. Veg. 4(1): 529 (1817)
Not recognizable from description. *Lycoperdon axatum* Bosc cited as a synonym [M. & A., 1969: 411].
- “*Cionium tigrinum* Link”, Handbuch 3: 410 (1833)
Cited in Rostafinski, Sluzowce Monogr.: 188 (1874), and copied by Cooke, Berlese and Massee. No such name is given in the work cited [M. & A., 1969: 411].
- “*Clathroastrum obscurum* P. Micheli”, Nov. Gen. Pl.: 215 (1729)
Micheli’s pl. 94 fig. 2 is cited by Berlese in Saccardo, Syll. Fung. 7: 394 (1888), as a synonym of *Comatricha typhina* (F. H. Wigg.) Rostaf., pl. 94 fig. 1, and, with the same binomial, is cited on p. 397 as a synonym of *S. fusca* Roth. Micheli’s names were not binomials and are of course pre-Linnaean, and later citations as such do not validate them, but they are not infrequently cited in the literature [M. & A., 1969: 411].
- “*Clathroides flavescens* Haller”, tab. 1 fig. 7 (1768)
Cited by Berlese in Saccardo, Syll. Fung. 7: 443 (1888), as a synonym of *Trichia chrysosperma* (Bull.) DC. This must be a reference to Haller’s publication of 1755 or of 1768. In neither did Haller use binomials regularly, but names so cited are often copied in the literature [M. & A., 1969: 411].
- “*Clathroides flavescens* P. Micheli”, Nov. Gen. Pl.: 214 (1729)
Cited by Berlese in Saccardo, Syll. Fung. 7: 429 (1888), as a synonym of *Arcyria nutans* (Bull.) Grev. Micheli’s names were not binomials and are of course pre-Linnaean, and later citations as such do not validate them [M. & A., 1969: 411].
- “*Clathroides longissimum* Haller”, p. 10.
Cited by Berlese in Saccardo, Syll. Fung. 7: 429 (1888), as a synonym of *Arcyria nutans* (Bull.) Grev. [M. & A., 1969: 411].
- “*Clathroides purpureum* P. Micheli”, Nov. Gen. Pl.: 214 (1729)
Cited by Berlese in Saccardo, Syll. Fung. 7: 428 (1888), as a synonym of *Arcyria adnata* (Batsch) Rostaf. Micheli’s names were not binomials and are of course pre-Linnaean, and later citations as such do not validate them [M. & A., 1969: 411].
- “*Clathroides pyrifome* Haller, pl. 1 fig. 5”
Cited by Berlese in Saccardo, Syll. Fung. 7: 447 (1888), as a synonym of *Hemiarcyria rubiformis* (Pers.) Rostaf. [M. & A., 1969: 411]. Probably a reference to Haller, Hist. Stirp. Helv. 3: pl. 48 fig. 5.
- Clathrus adnatus* Batsch, Elench. Fung. Continuatio Prima: 141 (1786)
See M. & A. (1969: 130). Identity uncertain. Probably correspond with *A. incarnata* (Pers. ex J. F. Gmel.) Pers. in this case a priority name.
- Clathrus flavus* Bolton, Hist. Fung. Halifax 3: 94, pl. 93 fig. 4 (1789)
Validly published, but not recognizable [M. & A., 1969: 411].
- Clathrus nudus* L., Sp. Pl. 2: 1179 (1753)
Cited by Persoon, Ann. Bot. (Usteri) 20: 120 (1796), as synonym of *Stemonitis fasciculata* Pers. ex J. F. Gmel. (= *S. fusca* Roth). According to Martin, Stud. Nat. Hist. Iowa Univ. 20: 11 (1966) it appears to be a mixture of at least three species of *Stemonitis*.
- Clathrus olivaceus* Bolton, Hist. Fung. Halifax 3: 94, pl. 94 fig. 2 (1789)
Validly published, but not recognizable [M. & A., 1969: 412].
- “*Clathrus pedatus* Schmidel, Icon. Pl., tab. 33 figs. 1, 17”
Cited by Berlese in Saccardo, Syll. Fung. 7: 447 (1888), as a synonym of *Hemiarcyria clavata* (Pers.) Rostaf. Originally published in 1747, Schmidel’s book was again printed in 1762 and again, apparently revised in 1793-1797, hence his names may have been validly publish [M. & A., 1969: 412].
- “*Clathrus pediculatus* Guett.”, Obs. Pl. 1: 16 (1747)
Cited by Berlese in Saccardo, Syll. Fung. 7: 426 (1888), as a synonym of *Arcyria punicea* Pers., pre-Linnaean [M. & A., 1969: 412].
- Clathrus pedunculatus* Batsch, Elench. Fung. Continuatio Prima: 141 (1786)
Cited by Berlese in Saccardo, Syll. Fung. 7: 426 (1888), as a synonym of *Arcyria punicea* Pers. Doubtful [M. & A., 1969: 412].
- Clathrus pertusus* Batsch, Elench. Fung. Continuatio Prima: 143 (1786)
Cited by Willdenow, Fl. Berol. Prodr.: 408 (1787 as a synonym of *Stemonitis fusca* Roth; by Berlese in Saccardo, Syll. Fung. 7: 394 (1888), of *Comatricha typhina* (F. H. Wigg.) Rostaf. Berlese cites Batsch’s fig. 176, illustrating *Embolus pertusus* (Batsch) Batsch, which does suggest the *Comatricha* more than it does the *Stemonitis* [M. & A., 1969: 412].
- Clathrus ramosus* Retz., Kongl. Svenska Vetenskapsakad. Handl. 30: 253 (1769)
Berlese in Saccardo, Syll. Fung. 7: 428 (1888), cites var. α of Retzius’ species as a synonym of *Arcyria adnata* (Batsch) Rostaf., and on p. 429, his var. β as a synonym of *Arcyria nutans* (Bull.) Grev. We have not seen the original paper [M. & A., 1969: 412].
- Clathrus recutitus* L., Fl. Suec., ed. 2: 456 (1755)
See comments under *Stemonitis recutita* (L.) J. F. Gmel.
- “*Clathrus sphaerocephalus* Bolton”, Hist. Fung. Halifax 3: 94 (1789)
Cited by Rostafinski, Sluzowce Monogr.: 360 (1875 as doubtful. Bolton ascribed the binomial to Relhan [M. & A., 1969: 412].
- Clathrus sphaerocephalus* Relhan, Fl. Cantab. Suppl. 1: 31 (1786)
Cited by Rostafinski, Sluzowce Monogr.: 154 (1874), as a synonym of *Didymium farinaceum* Schrad., and this is accepted by Berlese in Saccardo, Syll. Fung. 381 (1888). This name is too doubtful in its application to warrant using its epithet for *D. melanospermum* (Pers.) T. Macbr. [M. & A., 1969: 412].
- Clathrus turbinatus* Bolton, Hist. Fung. Halifax 3: 94 (1789)
Possible synonym of *Trichia varia* (Pers. ex J. F. Gmel.) Pers. [Farr, Fl. Neotrop., 16: 93 (1976)].

- "*Colloderma oculatum* var. *robustum* G. Lister"
Cited by Meylan, Bull. Soc. Vaud. Sci. Nat. 58: 83 (1933). Apparently, however, this variety was never published by Miss Lister [Kowalski, Mycologia 67(3): 464 (1975)].
- "*Colloderma pustulatum* G. W. Martin msc." in herb.
Cited by Farr, Fl. Neotrop. 16: 246 (1976). The name apparently has remained unpublished.
- Comatrarcha dictyospora* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 49 (1893)
Nom. dub. [M. & A., 1969: 227; Farr, Int. J. Mycol. Lichenol. 3(1/2): 205 (1988)].
- Comatrarcha extendens* Hagelst., Mycologia 27(4): 374 (1935)
The description suggests an abnormal development. In Mycetozoa N. Amer.: 163 (1944), Hagelstein reports finding later developments connecting it with *C. nigra* (Pers. ex J. F. Gmel.) J. Schröt. through *C. elegans* (Racib.) G. Lister. All were from the type locality. Its status as a species is extremely doubtful [M. & A., 1969: 241].
- Comatrarcha fluminensis* (Speg.) Torrend, Brotéria, Sér. Bot. 7: 75 (1908)
Based on *Stemonitis fluminensis* Speg., see comment under this species [Farr, Fl. Neotrop., 16: 279 (1976)].
- "*Comatrarcha gracilis* Wingate"
Nom. nud.; issued, without description in Ellis & Everh., N. Amer. Fungi No. 2094 (1888). We have been unable to find a valid description of Wingate's species [M. & A., 1969: 236].
- Comatrarcha hyperopta* (Meyl.) Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 70(2): 208 (1967)
Nom. inval., see ICBN, art. 33.3, basionym reference omitted.
- Comatrarcha martinii* Nanir, Nova Hedwigia 37(2+3): 452 (1983)
Nom. illeg., non *C. martinii* Alexop. & Beneke, 1954. According to Nannenga-Bremekamp (in litt.) probably a *Paradiachea*.
- "*Comatrarcha obtusata* Lister", Monogr. Mycetozoa: 117 (1894)
Cited in the second and third editions of the Lister monograph. Not validly published. Lister cited Preuss as author of the name [M. & A., 1969: 241].
- "*Comatrarcha platensis* Speg. in herb."
Cited by Farr, Fl. Neotrop. 16: 266 (1976). Apparently an unpublished name.
- Comatrarcha typhina* var. *genuina* Rostaf., Sluzowce Monogr.: 198 (1874)
Nom. inval., see ICBN, art. 24.3.
- Comatrarcha typhoides* var. *cinerea* Hertel, Dusenja 6: 48 (1955)
No material was available for study and the description is inadequate to draw definite conclusions regarding the status of the variety [M. & A., 1969: 240].
- Comatrarchoides filamentosa* (Meyl.) Hertel, Dusenja 7: 348 (1956)
Nom. inval., see ICBN, art. 33.3, basionym reference omitted.
- Comatrarchoides fragilis* (Meyl.) Hertel, Dusenja 7: 348 (1956)
Nom. inval., see ICBN, art. 33.3, basionym reference omitted.
- Comatrarchoides nigra* (Pers. ex J. F. Gmel.) Hertel, Dusenja 7: 348 (1956)
Nom. inval., see ICBN, art. 33.3, basionym reference omitted.
- Cornuvia anomala* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 31: 131 (1879)
Based on *Trichia anomala* P. Karst., Nat. Saellsk. Fl. Fenn. 9: 354 (1868). Lister, Monogr. Mycetozoa: 182 (1894), suggested it might be an irregular form of *Trichia scabra* Rostaf. and it was doubtfully referred to that species in the later editions of the Lister monograph. Massee, Monogr. Myxogastr.: 135 (1892), transferred it to *Ophiotheca*, citing both of Karsten's names [M. & A., 1969: 142].
- Cornuvia leocarpoides* Speg., Anales Soc. Ci. Argent. 12: 256 (1881)
Cited by G. Lister, Monogr. Mycetozoa, ed. 2: 226 (1911), as synonym of *Hemitrichia clavata* (Pers.) Rostaf. The description suggests that this may be *H. calyculata* (Speg.) M. L. Farr [M. & A., 1969: 142].
- Cornuvia minutula* Speg., Bol. Acad. Nac. Ci. 11(4): 476 (1889)
The type specimen (LPS 31. 489) contains only immature, hard, stipitate sporangia of a *Trichia* or *Hemitrichia* sp. Spegazzini's sketches and annotations suggest *H. calyculata* (Speg.) M. L. Farr or *H. clavata* (Pers.) Rostaf. [Farr, Fl. Neotrop., 16: 280 (1976)].
- "*Cornuvia schweinitzii* Berk. in herb."
Cited by Massee, Monogr. Myxogastr.: 52 (1892) as a synonym of *Clathroptychium rugulosum* (Wallr.) Rostaf. [M. & A., 1969: 412].
- "*Craterium aureum* Fuckel" ex Berl. in Saccardo, Syll. Fung. 7: 356 (1888)
Probably an error [M. & A., 1969: 412].
- Craterium difforme* Fr.
Listed, without citation in Rostański, Sluzowce Monogr.: 360 (1875), as uncertain. We have been unable to find publication [M. & A., 1969: 412].
- Craterium leucocephalum* Desm., Cat. Pl. Omises Botanog. Belgique: 27 (1823)
Cited by Rostański, Sluzowce Monogr.: 119 (1874), as synonym of *C. vulgare* Ditmar; by Berlese in Saccardo, Syll. Fung. 7: 355 (1888), of *C. pedunculatum* Trentep. It is doubtful whether Desmazières' binomial was published as new [M. & A., 1969: 274].
- "*Craterium leucocephalum* Grev.", Scott. Crypt. Fl., pl. 65 (1823)
Cited by Rostański, Sluzowce Monogr.: 121 (1874), as synonym of *C. minutum* (Leers) Fr. Greville's figure may represent that species, but he published it as *C. leucocephalum* (Pers. ex J. F. Gmel.) Ditmar [M. & A., 1969: 274].
- Craterium leucocephalum* f. *genuinum* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 79 (1893)
Nom. inval., see ICBN, art. 24.3.
- Craterium leucostictum* (Chevall.) Fr., Syst. Mycol. 3: 152 (1829)
Based on *Physarum leucostictum* Chev., Fl. Gén. Env. Paris 1: 336 (1826). Both are cited by Rostański, Sluzowce Monogr.: 123 (1874), as synonyms of *C. leucocephalum*

- (Pers. ex J. F. Gmel.) Ditmar, with "p.p." added to both in the index [M. & A., 1969: 274].
- "*Craterium minutum* Cooke", Fung. Brit. Exs. No. 525 (1872)
Cited as synonym of *C. pedunculatum* Trentep. by Berlese in Saccardo, Syll. Fung. 7: 355 (1888). While the original has not been seen, the citations in Cooke, Contr. Mycol. Brit.: 19 (1877), make it clear that this was not intended as a new combination [M. & A., 1969: 274].
- "*Craterium minutum* Fuckel", Jahrb. Nassauischen Vereins Naturk. 23-24: 342 (1870) [1869].
Cited by Berlese in Saccardo, Syll. Fung. 7: 356 (1888), as synonym of *C. nutans* Fr. Fuckel referred his material to *C. minutum* (Leers) Fr. [M. & A., 1969: 274].
- "*Craterium minutum* J. J. Kickx"
Not validly published; if it had been, it would have been a later homonym of *C. minutum* (Leers) Fr. Cited by Rostafinski, Sluzowce Monogr. Suppl.: 14 (1876) as a synonym of his *Tilmadoche hians* Rostaf., and used by Berlese in Saccardo, Syll. Fung. 7: 361 (1888), as the basionym of *T. minuta* (J. J. Kickx) Berl. See Lister, Monogr. Mycetoza: 69 (1894), for an account of the history of the name. All recent authors have agreed with Lister that these names apply to *Physarella oblonga* (Berk. & M. A. Curtis) Morgan [M. & A., 1969: 412].
- Craterium minutum* var. *genuinum* Rostaf., Sluzowce Monogr.: 121 (1874)
Nom. inval., see ICBN, art. 24.3.
- Craterium pendulum* Fr., Hymen. Gasteromyc.: 597 (1836)
Cited by Rostafinski, Sluzowce Monogr.: 123 (1874), as a synonym of *C. leucocephalum* (Pers. ex J. F. Gmel.) Ditmar; "p.p." in index [M. & A., 1969: 274].
- Craterium vulgare* var. *genuinum* Rostaf., Sluzowce Monogr.: 119 (1874)
Nom. inval., see ICBN, art. 24.3.
- Cribraria argillacea* var. *genuina* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 25 (1893)
Nom. inval., see ICBN, art. 24.3.
- Cribraria badia* Chevall., Fl. Gén. Env. Paris 1: 328 (1826)
The description does not permit recognition [M. & A., 1969: 92].
- Cribraria candida* Rabenh., Ser. Inconf. Pl. Aragon.: 126 (1863)
Validly published but probably not a myxomycete [Lado, 1991: 89].
- Cribraria capillaris* Fr., Stirp. Agri Femsion.: 84 (1827)
Cited by G. Lister, Monogr. Mycetoza, ed. 3: 177 (1925), as possible synonym of *C. microcarpa* (Schrad.) Pers. Not cited by Fries in the Syst. Mycol. (1829) [M. & A., 1969: 91].
- Cribraria coccinea* Pers., Syn. Meth. Fung.: 190 (1801)
Persoon cited *Sphaerocarpus trichioides* Bull., Hist. Champ. France: 124 (1791), pl. 387 fig. 2 (1789). Probably a *Cribraria* but not otherwise recognizable [M. & A., 1969: 91].
- Cribraria colossea* Speg., Anales Mus. Nac. Hist. Nat. Buenos Aires 19: 258 (1909)
The description in Saccardo, Syll. Fung. 22: 807 (1913), suggests a robust species, the large sporangia borne on long compacted stalks, with the comment. "*Cr. argillaceae peraffinis sed certe distincta*" [M. & A., 1969: 412].
- Cribraria didermoides* Schumach., Enum. Pl. 2: 218 (1803)
Uncertain. Cited by Fries, Syst. Mycol. 3: 165 (1829), as the basionym of *Dictydium didermoides* (Schumach.) Fr. [M. & A., 1969: 91].
- Cribraria intermedia* Berk., Engl. Fl. 5(2): 296 (1836)
Attributed to Berkeley by Cooke, Berlese and Lister, and cited in Lister, Monogr. Mycetoza, ed. 3: 173 (1925), as synonym of *C. vulgaris* Schrad. Original publication not seen; possibly intended as citation of *C. intermedia* Schrad. [M. & A., 1969: 92].
- Cribraria lycopodii* Nees, "in litt."
Cited by Fries, Syst. Mycol. 3: 163 (1829), as synonym of *Semonitis cribrarioides* Fr. Not validly published [M. & A., 1969: 91].
- "*Cribraria microcarpa* T. Macbr."
Cited by G. Lister, Monogr. Mycetoza, ed. 3: 195 (1925), to indicate supposed misapplication by Macbride of *C. microcarpa* (Schrad.) Pers. [M. & A., 1969: 412].
- Cribraria mutabilis* Quél., Assoc. Franç. Avancem. Sci. Suppl. 13: 8 (1884)
Description not seen [M. & A., 1969: 413].
- Cribraria onygena* Schumach., Enum. Pl. 2: 219 (1803)
Not a myxomycete. Probably *Phleogena decorticata* (Schwein.) G. W. Martin (Phleogenaceae) [M. & A., 1969: 92].
- Cribraria rufa* var. *minuta* Flatau & Schinner, Z. Mykol. 60(1): 262 (1994)
Nom. inval., see ICBN, art. 36.1 and 37.1. Published as "nom. prov."
- Cribraria splendens* var. *jurana* Meyl.
Cited by M. & A. (1969: 90). Not found.
- Cribraria stellata* Schumach., Enum. Pl. 2: 219 (1803)
Doubtful. See Lister, Monogr. Mycetoza, ed. 3: 259 (1925) [M. & A., 1969: 92].
- Cribraria stramineiformis* Speg., Anales Soc. Ci. Argent (1880)
So cited by Masee, Monogr. Myxogastr.: 335 (1892), as synonym of *Tilmadoche gyrocephala* (Mont.) Rostaf., i. e. *Physarum polyecephalum* Schwein. [M. & A., 1969: 92].
- Cribraria tenella* f. *genuina* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 23 (1893)
Nom. inval., see ICBN, art. 24.3.
- Cribraria venosa* (Schrad.) Pers., Syn. Meth. Fung.: 191 (1801)
Based on *Dictydium venosum* Schrad., q.v. See comments under this species [M. & A., 1969: 92].
- Cribraria venosa* var. *flavescens* Alb. & Schwein., Consp. Fung. Lusat.: 105 (1805)
See comments under *Dictydium venosum* Schrad.
- Cribraria venosa* var. *fuscescens* Alb. & Schwein., Consp. Fung. Lusat.: 105 (1805)
See comments under *Dictydium venosum* Schrad.
- Cribraria vulgaris* var. *candida* (Rabenh.) Amo, Fl. Crypt. Penins. Ibér.: 583 (1870)
Based on *Cribraria candida* Rabenh. Validly published but probably not a myxomycete.
- Cribraria vulgaris* var. *genuina* Rostaf., Sluzowce Monogr.: 234 (1875)
Nom. inval., see ICBN, art. 24.3.
- Demordium* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 3: 25 (1809)
Typographical error for *Dermodium*.

“Dermatricha flagellifer Cooke msc.”

Cited by Massee, Monogr. Myxogastr.: 127 (1892), as synonym of *Prototrichia flagellifer* (Berk. & Broome) Rostaf. Neither genus nor species validly published [M. & A., 1969: 413].

Dermodium Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 7: 41 (1815)
Identity uncertain, see Martin, Stud. Nat. Hist. Iowa Univ. 20: 13 (1966).

Dermodium fallax (Pers.) Nees, Syst. Pilze 109 (1817)
Based on *Tubulina fallax* Pers., a doubtful synonym of *Tubifera ferruginosa* (Batsch) J. F. Gmel., Syst. Nat. 2: 1472 (1792) [M. & A., 1969: 57].

Dermodium inquinans Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 3: 25 (1809) [“Demordium”]
“May have referred to *Brefeldia maxima* (Fr.) Rostaf. or to an *Amaurochaete*” (M. & A., 1969: 171). Berlese in Saccardo, Syll. Fung. 7: 402, 1888 attribute it to Fries. See Martin, Stud. Nat. Hist. Iowa Univ. 20: 13 (1966).

Diachea fulgens Fr. ex Weinm., Hymen. Gasteromyc.: 611 (1836)
Identity uncertain. See Rostafiński, Sluzowce Monogr.: 191 (1874); and Lister, Monogr. Mycetozoa, ed. 3: 104 (1925) [M. & A., 1969: 413].

Dichosporium Nees, Syst. Pilze: 105 (1816)
Probably not a myxomycete. See Martin, Stud. Nat. Hist. Iowa Univ. 20: 14 (1966).

Dichosporium aggregatum Nees, Syst. Pilze: 105 (1816)
Probably not a myxomycete [M. & A., 1969: 413].

Dichosporium album Corda, Icon. Fung. 5: 56 (1842)
Probably not a myxomycete.

“Dictydiaethalium cinnabarinum Hiranuma”, Myxomycetes Japan: 24 (1977)
Nom. nud. [Neubert, Nowotny & Baumann, Myxomyceten 1: 122 (1993)].

“Dictydiaethalium plumbeum Thaxt. in herb.”

A collection from Corral, Chile (Thaxter s n, FH) is labelled *D. plumbeum* “n. var.? var. *exoxanthum*” but to my knowledge this variety has not been published (although there is a published var. *entoxanthum* from New Caledonia [Farr, Fl. Neotrop., 16: 33 (1976)]).

Dictydium ambiguum Schrad., Nov. Gen. Pl.: 13, pl. 4 fig. 2 (1797)
Probably a *Cribraria*. Only the stalks and lower portions of the peridia are shown in Schrader’s figure. Rostafiński, Sluzowce Monogr.: 230 (1875), cited it as a synonym of *D. cernuum* (Pers.) Nees, citing Nees’s fig. 117, which probably does represent *D. cancellatum* (Batsch) T. Macbr., but does not agree with Schrader’s figure or description of *D. ambiguum*. As noted by Meylan, Bull. Soc. Vaud. Sci. Nat. 57: 484 (1937), the application of the name must remain in doubt [M. & A., 1969: 96].

Dictydium cancellatum var. *venosum* (Schrad.) Torrend, Brotéria, Sér. Bot. 7: 12 (1908)
Based on *D. venosum* Schrad., see comments under this species.

Dictydium didermoides (Schumach.) Fr., Syst. Mycol. 3: 165 (1829)
Based on *Cribraria didermoides* Schumach., q.v. See comments under this species [M. & A., 1969: 96].

Dictydium micropus Fr., Syst. Mycol. 3: 167 (1829)

Cited by Berlese in Saccardo, Syll. Fung. 7: 411 (1888), as synonym of *D. venosum* Schrad., it self doubtful [M. & A., 1969: 96].

“Dictydium operculatum Bong.”

Cited by Rostafiński, Sluzowce Monogr.: 363 (1876), as in part *Enerthenema elegans* Bowman. Reference may be to Bongard, Descr. Pl. Nov (1839) [M. & A., 1969: 413].

Dictydium trichioides (Bull.) Fr., Syst. Mycol. 3: 166 (1829)

Based on *Sphaerocarpus trichioides* Bull., Hist. Champ. France, pl. 387 fig. 2, which can scarcely be regarded as representing *Dictydium cancellatum* (Batsch) T. Macbr. [M. & A., 1969: 413].

Dictydium trichioides (Bull.) Chevall., Fl. Gén. Env. Paris 1: 327 (1826) [“C.”] [“trichiodes”]

Based on *Sphaerocarpus trichiodes* Bull. See comments under this species.

Dictydium umbilicatum var. *genuinum* Meyl., Bull. Soc. Bot. Genève 2: 265 (1910)

Nom. inval., see ICBN, art. 24.3.

Dictydium umbilicatum f. *venosum* (Schrad.) Meyl., Bull. Soc. Bot. Genève 2: 265 (1910)

Based on *D. venosum* Schrad. See comments under this species [M. & A., 1969: 95].

Dictydium venosum Schrad., Nov. Gen. Pl.: 14, pl. 3 fig. 6 (1797)
See comments by Fries, Syst. Mycol. 3: 168 (1829). Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 179 (1925), as possible synonym of *D. cancellatum* f. *anomalum* (E. Jahn) G. Lister. Meylan, Bull. Soc. Vaud. Sci. Nat. 59: 484 (1937), discussed the question and concluded that the application of the name cannot be decided [M. & A., 1969: 96].

Diderma acuminatum Schumach., Enum. Pl. 2: 198 (1803)

Doubtful. Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 259 (1925) [M. & A., 1969: 373].

Diderma cingulatum var. *rimosum* f. *pallidosporium* Nann.-Bremek. & Y. Yamam., Proc. Kon. Ned. Akad. Wetensch. 98(3): 321 (1995)

Nom. inval., see ICBN, art. 37.5, typus not indicated.

“Diderma citrinum Peck” Annual Rep. New York State Mus. 22: 89 (1869)

Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 42 (1925). This was a mistake [M. & A., 1969: 302].

“Diderma compactum (Ehrenb.) Wallr. in herb.”

Cited by Rostafiński, Sluzowce Monogr.: 99 (1874), as synonym of *Physarum schumacheri* Spreng.; “p.p.” in index. Not validly published [M. & A., 1969: 373, 413].

Diderma complanatum (Schrad.) Pers., Syn. Meth. Fung.: 168 (1801)

See comments under *Didymium complanatum* Schrad.

“Diderma contortum Fuckel”, Jahrb. Nassauischen Vereins Naturk. 23-24: 341 (1870) [1869].

Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 58, 1925 as a synonym, but it does not exist. Fuckel erroneously referred his specimens to *D. contortum* Hoffm. (M. & A., 1969: 289). Farr, Fl. Neotrop., 16: 125 (1976), included *Diderma contortum* [Hoffmann] sensu Fuckel under *Physarum bivalve* Pers.

- Diderma cristatosporum* G. Moreno, A. Sánchez, Lizárraga, Illana & A. Castillo in Stephenson, Landolt & Owens (eds.), Third Int. Congr. Syst. Ecol. Myxomycetes: 52 (1999)
Nom. inval., see ICBN, art. 36.1, without Latin description or diagnosis.
- Diderma dealbatum* Berk. & M. A. Curtis ex Massee, Monogr. Myxogastr.: 207 (1892)
Cited in his monograph as the basionym of *Chondrioderma dealbatum* Massee, was never validly published. Rostafiński cited it as “B. msc.” [M. & A., 1969: 370].
- “*Diderma deplanatum* Fuckel”, Jahrb. Nassauischen Vereins Naturk. 23-24: 341 (1870) [1869].
Cited by Rostafiński, Sluzowce Monogr.: 179 (1874), as synonym of *Chondrioderma calcareum* (Link) Rostaf. Not validly published. Fuckel cited Fries as author. See Fuckel’s correction, Jahrb. Nassauischen Vereins Naturk. 27-28: 74 (1873) [M. & A., 1969: 373].
- Diderma depressum* Fr., Syst. Mycol. 3: 108 (1829)
Cited by Rostafiński, Sluzowce Monogr.: 172 (1874), as synonym of *Chondrioderma michelii* (Lib.) Rostaf. Questioned by Lister, Monogr. Mycetozaa: 79 (1894) and later editions of monograph [M. & A., 1969: 373].
- “*Diderma difforme* Alb. & Schwein.”, Consp. Fung. Lus.: 90 (1805)
Cited by S. F. Gray, Nat. Arr. Brit. Pl.: 571 (1821) as synonym of “*Diderma muricola* Link” (error for *D. muscicola*); by Fries, Syst. Mycol. 3: 109 (1829), as synonym of *D. cyanescens* (Fr.) Fr. Not listed by Albertini and Schweinitz under new species and their intent was obviously to refer to *D. difforme* Pers. [M. & A., 1969: 373].
- Diderma farinaceum* Peck, Annual Rep. New York State Mus. 26: 74 (1872)
Cited by Massee, Monogr. Myxogastr.: 233 (1892), as synonym of *Didymium spumarioides* Fr., 1818, non Fr., 1829, here regarded as a synonym of *Diderma spumarioides* (Fr.) Fr., 1829. See also Berlese in Saccardo, Syll. Fung. 7: 367 (1888) [M. & A., 1969: 373].
- Diderma flavum* Weinm., Hymen. Gasteromyc.: 593 (1836)
Unless type or authentic material can be examined, they cannot be determined from the descriptions [M. & A., 1969: 295].
- “*Diderma globosum* Berk.”, Engl. Fl. 5(2): 312 (1836)
Saccardo cited Berkeley as author, an error, Berkeley attributed it to Persoon.
- Diderma granulatum* (Schumach.) Fr., Syst. Mycol. 3: 110 (1829)
Unless type or authentic material can be examined, they cannot be determined from the descriptions [M. & A., 1969: 295].
- “*Diderma lenticulare* Wallr. in herb.”
Cited as synonym of *Chondrioderma michelii* (Lib.) Rostaf., Sluzowce Monogr.: 172 (1874), “p.p.” in index. Probably not validly published [M. & A., 1969: 373].
- Diderma lobatum* Sommerf., Suppl. Fl. Lapp.: 240 (1826)
Cited by G. Lister, Monogr. Mycetozaa, ed. 3: 116 (1925), as possible synonym of *Didymium nigripes* var. *xanthopus* (Ditmar) Lister [M. & A., 1969: 374].
- Diderma macrosporum* Krzemien., Polska Akad. Umiejetn. 67: 131 (1933)
Not listed in Krzemieniewska, Sluzowce Polsk. (1960). Close to if not a variant of *D. chondrioderma* (de Bary & Rostaf.) G. Lister [M. & A., 1969: 374].
- Diderma minutum* (Schumach.) Fr., Syst. Mycol. 3: 111 (1829)
Based on *Spumaria minuta* Schumach. G. Lister, Monogr. Mycetozaa, ed. 3: 61 (1925), cites a number of names which may or may not be synonyms of either *Ph. conglomeratum* (Fr.) Rostaf. or *Ph. contextum* (Pers.) Pers. Unless type or authentic material can be examined, they cannot be determined from the descriptions [M. & A., 1969: 295].
- “*Diderma muriculum* Link”, Nat. Arr. Brit. Pl. 1: 571 (1821)
Typographical error for *D. muscicola* Link, with change in declension [M. & A., 1969: 374].
- Diderma muscicola* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesammten Naturk. 3: 26 (1809)
Doubtful. Cited by Rostafiński, Sluzowce Monogr.: 155 (1874), as synonym of *Didymium farinaceum* Schrad. [M. & A., 1969: 374].
- Diderma nanum* Fr., Hymen. Gasteromyc.: 577 (1836)
Doubtful. Cited by G. Lister, Monogr. Mycetozaa, ed. 3: 259 (1925) [M. & A., 1969: 374].
- “*Diderma nitens* Klotzsch”
Cited by Berlese in Saccardo, Syll. Fung. 7: 371 (1888), as “*D. nitens* Klotzsch in Hook. Herb.; Engl. Fl., v., p. 312” [is a reference to Berkeley in Smith, Engl. Fl. 5(2): 312 (1836)]. and as synonym of *Chondrioderma difforme* (Pers.) Rostaf., *Didymium difforme* (Pers.) Gray of the present treatment.
- “*Diderma pallidum* Berk. & M. A. Curtis”, Grevillea 2: 52 (1873)
Cited by Rostafiński, Sluzowce Monogr.: 112 (1874), as a synonym of *Physarum sinuosum* (Bull.) Weinm., followed by later authors. In the reference given Berkeley cited it as a synonym of the same species, which he called *Angioridium sinuosum* (Bull.) Grev. Massee (1892) also cited it, but only to exclude it explicitly from the synonymy of that species. So far as we can discover, never validly published [M. & A., 1969: 374].
- “*Diderma physaroides* Schumach. in herb.”
Cited by Rostafiński, Sluzowce Monogr.: 172 (1874), as synonym of *Chondrioderma michelii* (Lib.) Rostaf.; p.p. in index. Not validly published [M. & A., 1969: 374].
- Diderma ramosum* (J. F. Gmel.) Pers., Syn. Meth. Fung.: 166 (1801)
Based on *Reticularia ramosa* J. F. Gmel. See comments under this species.
- Diderma rufipes* (Alb. & Schwein.) Fr., Syst. Mycol. 3: 101 (1829)
Based on *Physarum aurantium* var. *rufipes* Alb. & Schwein., Consp. Fung. Lus.: 94 (1805). Cited by Rostafiński, Sluzowce Monogr.: 99 (1874), as synonym of *Physarum schumacheri* Spreng.; “p.p.” in index [M. & A., 1969: 374].
- Diderma rugulosum* Weinm., Hymen. Gasteromyc.: 594 (1836)
Unless type or authentic material can be examined, they cannot be determined from the descriptions [M. & A., 1969: 295].
- Diderma spumarioides* var. *pskemica* Golovenko, Mater. First Co-ord. Congr. Mycol. Central Asia and Kazakhstan: 132 (1960)
Nom. inval., see ICBN, art. 36.1, without Latin description or diagnosis.

- Diderma stipitatum* (Bull.) Fr., Syst. Mycol. 3: 104 (1829)
See comment under *Reticularia stipitata* Bull.
- Diderma trichodes* (Link) Fr., Syst. Mycol. 3: 108 (1829)
Based on *Didymium trichodes* Link, a discomycete according to Berlese in Saccardo, Syll. Fung. 7: 386 (1888) [M. & A., 1969: 374].
- “*Diderma umbilicatum* Peck”
As cited in Saccardo, Syll. Fung. 7: 372 (1888), and elsewhere, probably an error for *D. umbilicatum* Pers. [M. & A., 1969: 374].
- Diderma vitellinum* Link in herb”
Cited by Rostafński, Sluzowce Monogr.: 108 (1874), as a synonym of *Physarum conglomeratum* (Fr.) Rostaf. No records of valid publication found [M. & A., 1969: 413].
- Diderma zeylanicum* Berk. & Broome, J. Linn. Soc., Bot. 14: 84 (1873)
Not recognizable from description. See Rostafński, Sluzowce Monogr.: 167 (1874), where publication is given to what is presumably J. Bot. & Kew Misc. 6: 230 (1854) [M. & A., 1969: 413].
- Didymium anomalum* (Rostaf.) Massee, Monogr. Myxogastr.: 245 (1892)
Based on *Chondrioderma anomalum* Rostaf., Sluzowce Monogr.: 169 (1874), is cited by G. Lister, Monogr. Mycetozoa, ed. 3: 118 (1925), as a possible synonym of *D. squamulosum* (Alb. & Schwein.) Fr., but that is more than doubtful [M. & A., 1969: 399].
- Didymium australe* Berk. in Hooker, Fl. Nov.-Zel. 2(2): 191 (1855)
Non *D. australe* Massee, 1888. Cited by Berlese in Saccardo, Syll. Fung. 7: 378 (1888), as synonym of *D. squamulosum* (Alb. & Schwein.) Fr., and again, p. 384, as uncertain, but possibly *D. farinaceum* Schrad. [M. & A., 1969: 400].
- “*Didymium botryoides* Berk. in herb.”
Cited by Massee, Monogr. Myxogastr.: 229 (1892), as synonym of *Diderma radiatum* (L.) Morgan. Not validly published [M. & A., 1969: 400].
- “*Didymium capitatum* Link, Diss. III. 27.”
Cited by Berlese in Saccardo, Syll. Fung. 7: 381 (1888), as synonym of *D. farinaceum* Schrad. Perhaps based on *Physarum capitatum* Link, Diss. Bot. 1: 27 (1795), q.v. [M. & A., 1969: 400].
- “*Didymium columbinum* Berk. msc.”
Cited by Rostafński, Sluzowce Monogr. Suppl.: 13 (1876), as basionym of *Tilmadoche columbina* Rostaf. Not validly published [M. & A., 1969: 401].
- “*Didymium complanatum* Fuckel”, Jahrb. Nassauischen Vereins Naturk. 23-24: 341 (1870) [1869].
Cited by Rostafński, Sluzowce Monogr.: 183 (1874), as synonym of *Chondrioderma radiatum* (L.) Rostaf. Not validly published. Fuckel cited Fries as author [M. & A., 1969: 401].
- Didymium complanatum* Schrad., Nov. Gen. Pl.: 24 (1797)
Non *D. complanatum* (Batsch) Rostaf., Sluzowce Monogr.: 151 (1874). Cited by Rostafński, Sluzowce Monogr.: 164 (1874), as a synonym of *D. confluens* (Pers.) Rostaf., q.v. Transferred by Persoon, Syn. Meth. Fung.: 168 (1801), to *Diderma* as *D. complanatum* (Schrad.) Pers. Berlese in Saccardo, Syll. Fung. 7: 378 (1888), cited it as a synonym of
- Didymium crustaceum* Fr.; G. Lister, Monogr. Mycetozoa, ed. 2: 129 (1911), as a doubtful synonym of *D. melanospermum* (Pers.) T. Macbr. Schrader’s description and pl. 5 fig. 5, suggest a *Diderma* [M. & A., 1969: 401].
- Didymium confluens* (Pers.) Rostaf., Sluzowce Monogr.: 164 (1874)
Based on *Physarum confluens* Pers., Syn. Meth. Fung.: 169 (1801), (M. & A., 1969: 382). See comments under this species.
- Didymium confluens* var. *genuinum* Rostaf., Sluzowce Monogr.: 165 (1874)
Nom. inval., see ICBN, art. 24.3.
- “*Didymium contextum* var. *conglomeratum*” Fr., Symb. Gasteromyc.: 20 (1818)
Cited by Berlese in Saccardo, Syll. Fung. 7: 342 (1888) in error for var. *glomerulosum* [M. & A., 1969: 401].
- “*Didymium costatum* Fuckel”, Jahrb. Nassauischen Vereins Naturk. 25-26: 339 (1872)
Cited by Rostafński, Sluzowce Monogr.: 161 (1874), as synonym of *D. macrospermum* Rostaf. Not validly published; Fuckel names Fries as author [M. & A., 1969: 401].
- Didymium daedaleum* Berk. & Broome, Ann. Mag. Nat. Hist., ser 2 3: 336 (1850)
G. Lister, Monogr. Mycetozoa, ed. 3: 56 (1925), gives an extended discussion of this species, which she thought was probably *Physarum gyrosum* Rostaf. [M. & A., 1969: 414].
- “*Didymium dealbatum* Berk. msc.”
Cited by Rostafński, Sluzowce Monogr. Suppl.: 16 (1876), as synonym of *Chondrioderma subdictyospermum* Rostaf. Not validly published [M. & A., 1969: 401].
- Didymium discoideum* Torrend, Brotéria, Sér. Bot. 13(2): 82 (1915)
No material available for study, but the diagnosis and illustration suggest *D. clavus* (Alb. & Schwein.) Rabenh. or *D. squamulosum* (Alb. & Schwein.) Fr. [Farr, Fl. Neotrop., 16: 235 (1976)]. A nom. illeg., non *D. discoideum* Rostaf., 1874, nec *D. discoideum* K. S. Thind & H. S. Sehgal, 1964.
- Didymium effusum* var. *genuinum* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 63 (1893)
Nom. inval., see ICBN, art. 24.3.
- “*Didymium eunigripes*”
Used by von Stosch to distinguish the typical form of *D. nigripes* (Link) Fr. from the var. *xanthopus* (Ditmar) Lister, has found its way into literature, but has no nomenclatural validity [M. & A., 1969: 394].
- “*Didymium farinaceum* Purton”
Cited by Berlese in Saccardo, Syll. Fung. 7: 338 (1888), as synonym of *Physarum didermoides* (Pers.) Rostaf. Purton may have cited Schrader’s name; if not, it is a later homonym [M. & A., 1969: 401]. Reference not found.
- Didymium farinaceum* f. *genuinum* Rostaf., Sluzowce Monogr.: 155 (1874)
Nom. inval., see ICBN, art. 24.3.
- “*Didymium farinaceum* f. *confluens* Rostaf.”
Cited by L. F. Čelakovski, Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 60 (1893), probably based on *D. confluens* (Pers.) Rostaf. [M. & A., 1969: 234].

- Didymium filamentosum* Wallr., Fl. Crypt. Germ. 2: 368 (1833)
Cited by Rostafinski, Sluzowce Monogr.: 159 (1874), as synonym, "p.p." of *Didymium squamulosum* (Alb. & Schwein.) Fr. Doubtful [M. & A., 1969: 401].
- Didymium fulvipes* (Fr.) Fr., Stirp. Agri Femsion.: 83 (1826)
The description by Fries, Syst. Mycol. 3: 122 (1829), cites both the 1818 and 1826 publications but does not mention *Physarum*. The implication is that Fries transferred it from *Physarum* to *Didymium* in 1826. Lister, Monogr. Mycetozoa: 102 (1894), says "suggest a mouldy specimen, possibly of *Trichia botrytis*." [M. & A., 1969: 401].
- "*Didymium fulvipes* Fr.", Symb. Gasteromyc.: 24 (1818)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 34 (1925), as doubtful synonym of *Physarum psittacinum* Ditmar. [M. & A., 1969: 401].
- Didymium globosum* var. *stipitatum* Sw., Kongl. Svenska Vetenskapsakad. Handl. 36: 114 (1815)
Cited by Berlese in Saccardo, Syll. Fung. 7: 377 (1888), as a synonym of *D. squamulosum* (Alb. & Schwein.) Fr. [M. & A., 1969: 401].
- Didymium hemisphaericum* Berk., Engl. Fl. 5(2): 312 (1836)
Non *D. hemisphaericum* (Bull.) Fr., 1829. Cited by Rostafinski, Sluzowce Monogr.: 172 (1874), as a synonym of *Chondrioderma michelii* (Lib.) Rostaf. Berkeley may not have intended it as new. At any rate all are now included in *Diderma hemisphaericum* (Bull.) Hornem. [M. & A., 1969: 414].
- "*Didymium hemisphaericum* Fuckel", Jahrb. Nassauischen Vereins Naturk. 23-24: 241 (1870) [1869].
Cited by Rostafinski, Sluzowce Monogr.: 114 (1874), as a synonym of *Physarum leucophaeum* Fr. Fuckel cited (Bull.) Fr. as the authors [M. & A., 1969: 414].
- "*Didymium hemisphaericum* Wallr.", Fl. Crypt. Germ. 2: 369 (1833)
Cited by Berlese in Saccardo, Syll. Fung. 7: 377 (1888), as a synonym of *D. squamulosum* (Alb. & Schwein.) Fr. Not published as new. Wallroth published this as *D. hemisphaericum* (Bull.) Fr. [M. & A., 1969: 401].
- Didymium hypnophilum* Masee, J. Roy. Microscop. Soc. London 1889: 757 (1889)
Cited by Masee, Monogr. Myxogastr.: 224 (1892), as synonym of *D. squamulosum* (Alb. & Schwein.) Fr. [M. & A., 1969: 401].
- "*Didymium leucopus* de Bary", Mycetozoen 9 (1864)
Cited by Rostafinski, Sluzowce Monogr.: 159 (1874), as a synonym of *D. squamulosum* (Alb. & Schwein.) Fr. There is no suggestion that de Bary intended this to refer to a new species [M. & A., 1969: 414].
- Didymium linkii* Fr.
Cited by Rostafinski, Sluzowce Monogr.: 366 (1875), without citation, as doubtful. We have not found publication [M. & A., 1969: 414].
- Didymium liquidum* Payer
Cited by Rostafinski, Sluzowce Monogr.: 366 (1875), without citation, as doubtful. Publication probably in Payer, Bot. Crypt., 1850 [M. & A., 1969: 414].
- Didymium lobatum* var. *stipitatum* Sommerf., Suppl. Fl. Lapp.: 210 (1826)
Cited by Berlese in Saccardo, Syll. Fung. 382 (1888), as synonym of *Didymium microcarpum* (Fr.) Rostaf. [M. & A., 1969: 401].
- Didymium macrospermum* var. *genuinum* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 63 (1893)
Nom. inval., see ICBN, art. 24.3.
- Didymium melanopus* (Fr.) Fr., Syst. Mycol. 3: 114 (1829)
Based on *Physarum melanopus* Fr., 1818, q.v. See comments under this species [M. & A., 1969: 401].
- Didymium melanopus* Wallr., Fl. Crypt. Germ. 2: 367 (1833)
Cited by Rostafinski, Sluzowce Monogr.: 102 (1874), as in part a synonym of *Physarum cinereum* (Batsch) Pers. A later homonym of *D. melanopus* (Fr.) Fr., 1829 [M. & A., 1969: 401].
- Didymium microcarpum* var. *genuinum* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 60 (1893)
Nom. inval., see ICBN, art. 24.3.
- Didymium muscicola* Link
Cited by Rostafinski, Sluzowce Monogr.: 367 (1875), as doubtful. Probably in error for *Diderma muscicola* Link, 1809 [M. & A., 1969: 414].
- Didymium nanum* Fr. in Weinmann, Hymen. Gasteromyc. (1836), n.v.
Cited by Rostafinski, Sluzowce Monogr.: 367 (1875), as uncertain. Name printed in Fl. Veg. Scand.: 452 (1848) [M. & A., 1969: 414].
- Didymium nigrum* Krzemien., Acta Soc. Bot. Poloniae 29: 169 (1960)
On the basis of the description, quite unique, but possibly not a *Didymium* nor a member of any other recognized genus [M. & A., 1969: 401].
- "*Didymium obrusseum* Sacc.", Syll. Fung. 7: 346 (1888)
Cited in Masee, Monogr. Myxogastr.: 247 (1892), as a synonym in part, of *D. tenerimum* Berk. & M.A. Curtis, q.v. Berlese in the reference cited, wrote *D. obrusseum* "(Berk. & M. A. Curtis) Rostaf." [M. & A., 1969: 402].
- Didymium ossicola* Pat. & Gaillard, Bull. Soc. Mycol. France 4: 95 (1888)
Doubtful. G. Lister, Monogr. Mycetozoa, ed. 3: 259 (1925) [M. & A., 1969: 402].
- Didymium parietinum* Schrad., Nov. Gen. Pl.: 12 (1797)
An ascomycete, *Orbicula parietina* (Schrad. ex Fr.) Hughes. See Hughes, Commonw. Mycol. Inst. Misc. Publ. 42: 1-27 1951 [M. & A., 1969: 402].
- Didymium physaroides* (Pers.) Fr., Symb. Gasteromyc.: 21 (1818)
Based on *Spumaria physaroides* Pers., see comments under this species [M. & A., 1969: 392].
- Didymium physaroides* Klotzsch
Cited by Rostafinski, Sluzowce Monogr.: 155 (1874), as a synonym of *Didymium farinaceum* Schrad. Exsiccati dated 1832-55. Validity not established, but if valid, a later homonym of *D. physaroides* (Pers.) Fr. [M. & A., 1969: 414].
- Didymium physaroides* Lettell, Fig. Champ. (1829)
Cited by Rostafinski, Sluzowce Monogr.: 367 (1875), as a synonym of *Physarum cinereum* (Batsch) Pers. Validity not

- established. See comments under *D. physaroides* Klotzsch [M. & A., 1969: 414].
- Didymium physaroides* Mont., Fl. Alg. 112 (1846)
Non *D. physaroides* (Pers.) Fr., 1818. Cited by Rostafinski, Sluzowce Monogr.: 95 (1874), as a synonym of *Physarum lividum* Rostaf. Validity not established. See Saccardo, Syll. Fung. 7: 338 (1888) [M. & A., 1969: 414].
- Didymium platense* Speg., Anales Mus. Nac. Hist. Nat. Buenos Aires 6: 201 (1899)
Not reported by Farr, Fl. Neotrop., 16 (1976).
- Didymium platypus* (Bisch.) Hazsl., Oesterr. Bot. 27: 83 (1877)
Based on *Agaricus platypus* Bisch., "Bot. Kuntsprache, Taf. VII fig. 166 (1822)". Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 118 (1925), as possible synonym of *Didymium squamulosum* (Alb. & Schwein.) Fr. [M. & A., 1969: 402].
- Didymium plicatum* Corda, Icon. Fung. 3: 17 (1839)
Corda's pl. 3 fig. 47 suggests an imperfect fungus [M. & A., 1969: 402].
- "*Didymium polycephalum* Ravenel"
Cited by Rostafinski, Sluzowce Monogr.: 107 (1874), with an incomplete reference obviously to Grevillea 2: 53 (1873), as a synonym of *Physarum polymorphum* (Mont.) Rostaf. Probably not validly published [M. & A., 1969: 402].
- Didymium pruinatum* Berk. & M. A. Curtis, J. Linn. Soc., Bot. 10: 348 (1868)
Cited by Massee, Monogr. Myxogastr.: 288 (1892), as a synonym of *Physarum leucophaeum* Fr. [M. & A., 1969: 402].
- "*Didymium radiatum* Massee", Monogr. Myxogastr.: 229 (1892)
Cited in Lister monograph as in part a synonym of *D. clavus* (Alb. & Schwein.) Rabenh. Not validly published. Massee attributed his name to Berk. & M.A. Curtis [M. & A., 1969: 402].
- Didymium? ramosum* Duby, Bot. Gall. ed. 2: 859 (1830)
Duby suggests it may be *Diderma ramosum* (J. F. Gmel.) Pers. Probably not valid, see ICBN, art. 34.1. G. Lister, Monogr. Mycetozoa, ed. 3: 259 (1825), says probably a fungus [M. & A., 1969: 402].
- "*Didymium reticulatum* Bisch., Kryptogamenkunde fig. 3621 (1842)"
So cited by Rostafinski, Sluzowce Monogr.: 91 (1874), as a synonym of *Cienkowskia reticulata* (Alb. & Schwein.) Rostaf. Reference presumably to G. W. Bischoff, Handb. Bot. Termin.: 2 (1842) [M. & A., 1969: 414].
- Didymium sowerbyi* Berk., Engl. Fl. 5(2): 213 (1836)
Based on Sowerby's pl. 412 fig. 3 of a *Trichia*, and the accompanying text, which tells very little. The brief diagnosis in Saccardo, Syll. Fung. 7: 385 (1888), adds nothing. The name, however, is probably valid [M. & A., 1969: 402].
- "*Didymium squamulosum* Fuckel", Jahrb. Nassauischen Vereins Naturk. 23-24: 341 (1870) [1869].
Cited by Berlese in Saccardo, Syll. Fung. 7: 380 (1888). Not so published; Fuckel cited authors as (Alb. & Schwein.) Fr. A misidentification, corrected by Rostafinski in Fuckel, Jahrb. Nass. Ver. Nat. 27-28: 73 (1874), to *D. fuckelianum* Rostaf., now again regarded as included in *D. squamulosum* (Alb. & Schwein.) Fr. [M. & A., 1969: 402].
- Didymium squamulosum* var. *genuinum* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 62 (1893)
Nom. inval., see ICBN, art. 24.3.
- Didymium trichodes* Link., Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamten Naturk. 7: 42 (1815)
According to Berlese in Saccardo, Syll. Fung. 7: 386 (1888), a discomycete [M. & A., 1969: 402].
- Didymium wallrothii* Rabenh., Fl. Crypt. Germ.: 2289 (1844)
Cited by Rostafinski, Sluzowce Monogr.: 157 (1874), as synonym of *Didymium microcarpon* (Fr.) Rostaf., "p.p." in index [M. & A., 1969: 402].
- Didymium weinmanni* Fr., Syst. Mycol. 3: 120 (1829)
Application regarded as uncertain from Rostafinski, to present time [M. & A., 1969: 402].
- "*Ditrichia* Yu Li"
Reference not found. Cited by Ing, The Myxomycetes of Britain and Ireland: 124 (1999).
- Echinostelium roseum* Ing, Trans. Brit. Mycol. Soc. 48(4): 650 (1965)
Nom. conf. [Ing, Trans. Brit. Mycol. Soc. 82(1): 173 (1984)].
- Embolus lacteus* Hoffm., Veg. Crypt. 2: 8 (1790)
Cited by Rostafinski, Sluzowce Monogr.: 252 (1875), as a synonym of *Trichia varia* (Pers. ex J. F. Gmel.) Pers. "p.p." in index [M. & A., 1969: 414].
- Embolus lacteus* Jacq., Misc. Austrac. 1: 137, pl. 6 (1788)
Cited by Rostafinski, Sluzowce Monogr.: 198 (1874) as a synonym of *Comatricha typhina* (F. H. Wigg.) Rostaf. "p.p." in index [M. & A., 1969: 414].
- Embolus pertusus* (Batsch) Batsch, Elench. Fung., Continuatio Prima: 263 (1786)
Cited by Rostafinski, Sluzowce Monogr.: 198 (1874), as a synonym of *Comatricha typhina* (F. H. Wigg.) Rostaf. "p.p." in index. Batsch's fig. 176 on pl. 30, does suggest it [M. & A., 1969: 414].
- Endodromia vitrea* Berk., J. Bot. & Kew Misc. 3: 79 (1841)
According to Höhnelt, Sitzungsber. Kaiserl. Akad. Wiss., Math.-Naturwiss. Cl. Abt. 1, 123: 97 (1914), closely related to or identical to *Echinostelium minutum* de Bary. This needs verification.
- "*Enerthenema elegans* Berk. & Broome"
As cited by Cooke, Contr. Mycol. Brit.: 52 (1877), and copied in later works. It was listed by Berk. & Broome [M. & A., 1969: 188].
- Enteridium antarcticum* Speg., Bol. Acad. Nac. Ci. 11: 277 (1887)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 193 (1925) as a possible synonym of *E. olivaceum* Ehrenb. [M. & A., 1969: 414].
- Enteridium juranum* (Meyl.) Mornand, Bull. Soc. Mycol. France 109(2): 65 (1993)
Nom. inval., see ICBN, art. 33.3, basionym not indicated and reference omitted.
- Fulgia encaustica* Chevall., J. Phys. Chim. Hist. Nat. Arts 92: 58 (1822)
Cited in the literature –Kowalski, Mycologia, 60(3): 660 (1970)– as a synonym of *Lamproderma columbinum* (Pers.) Rostaf. See also Martin, Stud. Nat. Hist. Iowa Univ. 20: 16 (1966).
- Fuligo carnosa* (Bull.) Duby, Bot. Gall. ed. 2: 863 (1830)
Based on *Reticularia carnosa* Bull., but it not a Myxomycete. Fries, Summa Veg. Scand.: 449 (1848), suggests *Ptychogaster* [M. & A., 1969: 267].

- "*Fuligo cerea* Sowerby", Col. Fig. Engl. Fung., pl. 399 fig. 4 (1803)
Cited by Rostafinski, Sluzowce Monogr.: 369 (1875), as a synonym of *F. varians* Sommerf. "p.p." Neither Sowerby's figure nor his comment justifies regarding this as validly published [M. & A., 1969: 414].
- Fuligo muscorum* var. *tienshanica* Golovenko, Izv. Akad. Nauk Kirgizsk. SSR, Ser. Biol. Nauk 1960: 130 (1960)
Nom. inval., see ICBN, art. 36.1, without Latin description or diagnosis. The description is entirely in Russian [M. & A., 1969: 266].
- Halterophora fulva* (Chevall.) Kuntze, Revis. Gen. Pl. 2: 855 (1893)
Based on *Tipularia fulva* Chevall., J. Phys. Chim. Hist. Nat. Arts 92: 58 (1822), see comments under *H. fulva* Endl. [M. & A., 1969: 414]. Doubtful.
- "*Halterophora fulva* Endl.", Gen. Pl.: 25 (1836)
Cited by Rostafinski, Sluzowce Monogr.: 369 (1875), as doubtful. Endlicher did not publish the binomial except by implication, citing *Tipularia fulva* Chevall., J. Phys. Chim. Hist. Nat. Arts 92: 58 (1822); the combination in *Halterophora* was made by Kuntze, Revis. Gen. Pl. 2: 855 (1891) [M. & A., 1969: 414].
- Hemiarcyria expansa* (Mart.) Sacc. & D. Sacc. in Saccardo, Syll. Fung. 18: 212 (1906)
Based on *Trichia expansa* Mart., q.v. See comments under this species [M. & A., 1969: 154].
- Hemiarcyria pusilla* (Speg.) Berl. in Saccardo, Syll. Fung. 7: 450 (1888)
Based on *Hemitrichia pusilla* Speg., q.v. See comments under this species [M. & A., 1969: 154].
- Hemiarcyria rubiformis* var. *genuina* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 41 (1893)
Nom. inval., see ICBN, art. 24.3.
- Hemiarcyria rubiformis* var. *genuina* Rostaf., Sluzowce Monogr.: 263 (1875)
Nom. inval., see ICBN, art. 24.3.
- Hemiarcyria rubiformis* f. *plasmodiocarpia* Cooke, Contr. Mycol. Brit.: 67 (1877)
Identity uncertain.
- Hemiarcyria varneyi* Rex, Proc. Acad. Nat. Sci. Philadelphia 43: 396 (1891)
A member of the *Hemitrichia clavata* (Pers.) Rostaf. group according to the Lister monograph [M. & A., 1969: 154].
- "*Hemitrichia anthracopeziza* Speg. in herb."
Cited by Farr, Fl. Neotrop. 16: 62 (1976), as an unpublished name, and error for *H. melanopeziza* Speg.
- "*Hemitrichia bucknallii* Massee"
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 207. Error for *Hemiarcyria* [M. & A., 1969: 415].
- Hemitrichia furcispiralis* Q. Wang, Yu Li & H. Z. Li, Mycosystema 8-9: 177 (1996)
Identity uncertain. Probably not a myxomycete.
- Hemitrichia insignis* Torrend, Congr. Nac. Geogr. Brasil, Salvador: 489 (1916)
This species could be a *Metatrichia*.
- Hemitrichia leiocarpa* var. *varneyi* (Rex) Torrend, Brotéria, Sér. Bot. 7: 49 (1908)
Based on *Hemiarcyria varneyi* Rex, see comments under this species.
- Hemitrichia pusilla* Speg., Anales Soc. Ci. Argent. 12(3/6): 257 (1881)
Cited by Farr, Fl. Neotrop. 16: 101 (1976), who considered it a doubtful species.
- Hystriocapsa trochiformis* Preuss, Linnaea 24: 140 (1851)
See Saccardo, Syll. Fung. 18: 797 (1906). Probably not a myxomycete [M. & A., 1969: 415].
- "*Lachnobolus incarnatus* T. Macbr.", Bull. Iowa Univ. Lab. Nat. Hist. 2: 126 (1892)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 241 (1925). Macbride assigned his specimens to *L. incarnatus* (Alb. & Schwein.) J. Schröt. [M. & A., 1969: 415].
- "*Lamproderma arcyrrioides* Morgan"
Cited in the second and third editions of the Lister monograph as a synonym of *L. sauteri* Rostaf., has no validity [M. & A., 1969: 219].
- Lamproderma columbinum* var. *equiseti* Golovenko, Mater. First Co-ord. Congr. Mycol. Central Asia and Kazakhstan: 127 (1960) ["*equisetii*"].
Nom. inval., see ICBN, art. 36.1, without Latin description or diagnosis.
- Lamproderma inconspicuum* J. Schröt., Hedwigia 35: 208 (1896)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 153 (1925), as "*L. inconspicuum* Racib.", as a possible synonym of *L. arcyrionema* Rostaf. Possibly distinct [M. & A., 1969: 221].
- Lamproderma leucosporum* Rostaf., Sluzowce Monogr. Suppl.: 26 (1876)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 156 (1925), and Kowalski, Mycologia 62(4): 636 (1970), as a possible synonym of *L. violaceum* Fr. ex Rostaf. Berlese in Saccardo, Syll. Fung. 7: 393 (1888), cites *L. nigrescens* (Rostaf.) Rostaf. non Sacc. as a synonym of *L. leucosporum*, but regards *L. nigrescens* Sacc. non Rostaf. as distinct, and includes neither under *L. arcyrionema* Rostaf. or *L. violaceum* [M. & A., 1969: 221].
- Lamproderma lycopodii* (Nees) Raunk., Svensk Bot. Tidskr. 17: 90 (1888)
Based on *Cribraria lycopodii* Nees. See comment under this species. Cited by Raunkiaer as *Lamproderma lycopodii* "(Fr.) Raunk." [M. & A., 1969: 92, 215].
- Lamproderma minutum* Rostaf., Sluzowce Monogr. Suppl.: 26 (1876)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 156 (1925), and Kowalski, Mycologia, 62(4): 624 (1970), as possible synonym of *L. violaceum* Fr. ex Rostaf. and *L. arcyrionema* Rostaf.
- Lamproderma nigrescens* (Rostaf.) Rostaf., Sluzowce Monogr.: 205 (1874)
Based on *Lamproderma violaceum* f. *nigrescens* Rostaf. May be the same as *L. arcyrrioides* (Sommerf.) Rostaf.
- Lamproderma staszii* Racib., Hedwigia 28: 116 (1889)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 155 (1925), and Kowalski, Mycologia, 62(4): 660 (1970), as a possible synonym of *L. columbinum* var. *brevipes* G. Lister [M. & A., 1969: 221].

- Lamproderma tatricum* Racib., Hedwigia 28: 117 (1889)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 156 (1925), and Kowalski, Mycologia, 62(4): 636 (1970), as possible synonym of *L. violaceum* Fr. ex Rostaf. [M. & A., 1969: 222].
- Lamproderma violaceum* f. *nigrescens* Rostaf. in Fuckel, Symb. Mycol. Nachtr. II 27-28: 70 (1873)
May be the same as *L. arcyrioides* (Sommerf.) Rostaf.
- Leangium physaroides* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesammten Naturk. 3: 26 (1809)
Said by author to be intermediate between *Leangium* and *Physarum*. Not identifiable from description [M. & A., 1969: 374].
- Leangium umbilicatum* Rabenh., Deutschl. Krypt.-Fl. 1: 285 (1844)
Cited by Rostafiński, Sluzowce Monogr.: 183 (1874), as synonym of *Chondrioderma radiatum* (L.) Rostaf. Probably based on *Diderma umbilicatum* Pers. If so, a synonym of *D. radiatum* (L.) Morgan, q.v. [M. & A., 1969: 374].
- Leocarpus cyanescens* (Fr.) Fr., Summa Veg. Scand.: 450 (1849)
Probably based on *Didymium cyanescens* Fr.
- Leocarpus granulatus* (Schumach.) Fr., Summa Veg. Scand.: 451 (1849)
Based on *Spumaria granulata* Schumach., see comments under this species [M. & A., 1969: 295].
- Leocarpus melaleucus* Mont., Ann. Sci. Nat. Bot., sér. 4, 3: 140 (1855)
Cited incorrectly by Berlese in Saccardo, Syll. Fung. 7: 347 (1888), as "*L. melaleucus* Gay" and as a synonym of *Ph. sinuosum* (Bull.) Weinm. ["Rostaf."], *Ph. bivalve* Pers. of the present treatment. Cited also by Rostafiński, Sluzowce Monogr.: 142 (1874), as a synonym of *Ph. sinuosum* [M. & A., 1969: 374].
- Leocarpus minutus* (Schumach.) Fr., Summa Veg. Scand.: 451 (1848)
Based on *Spumaria minuta* Schumach., Enum. Pl. 2: 196, 1803. Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 61 (1925), as doubtful synonym of *Physarum conglomeratum* (Fr.) Rostaf. [M. & A., 1969: 246].
- Leocarpus nitens* Fr., Summa Veg. Scand.: 450 (1848)
Cited by Berlese in Saccardo, Syll. Fung. 7: 371 (1888), as possible synonym of *Chondrioderma difforme* (Pers.) Rostaf., *Didymium difforme* (Pers.) Gray of the present treatment. Possibly based on *Diderma nitens* [M. & A., 1969: 246].
- "*Lepidoderma carestianum* f. *caesium* Meyl."
Never published [Kowalski, Mycologia, 63(3): 510 (1971)].
- "*Lepidoderma carestianum* f. *calcite-partie* Meyl."
Never published. According to Kowalski, Mycologia, 63(3): 510 (1971), is *Diderma deplanatum* Fr. with the lime recrystallized.
- "*Lepidoderma carestianum* f. *discina* Meyl."
Never published [Kowalski, Mycologia, 63(3): 510 (1971)].
- "*Lepidoderma carestianum* f. *plasmodiocarpa* Meyl."
Never published [Kowalski, Mycologia, 63(3): 510 (1971)].
- Lepidoderma kurtzii* Berk. ex Massee, Monogr. Myxogastr.: 255 (1892)
Listed as doubtful by Massee, on basis of Berkeley's notes, since specimen was not found. G. Lister in second and third editions of Lister monograph, cited it as a possible synonym of *Physarum tenerum* Rex [M. & A., 1969: 407].
- Lepidoderma mandshurica* Skvortsov, Philipp. J. Sci. 46: 88 (1931)
The description and illustrations suggest *L. chailletii* Rostaf. except that the spore size is given as 6.8-7.2 µm. If this can be verified and proves constant, the species may be worthy of recognition [M. & A., 1969: 407; Kowalski, Mycologia 63(3): 513 (1971)].
- Lepidoderma obovatum* Massee, Monogr. Myxogastr.: 254 (1892)
G. Lister in the second and third editions of the monograph, cited Massee's species as a doubtful synonym of *Diderma trevelyanii* (Grev.) Fr. As noted by Lister, Monogr. Mycetozoa: 107 (1894), the figures given by Massee refer to other species [M. & A., 1969: 407]. Kowalski, Mycologia 63(3): 514 (1971) say that the figs. 45-47, strongly resemble *Lepidoderma tigrinum* (Schräd.) Rostaf.
- "*Lepidoderma tigrinum* f. *brevipes* Meyl."
Never published [Kowalski, Mycologia, 63(3): 497 (1971)].
- "*Lepidoderma tigrinum* f. *longipes* Meyl."
Never published [Kowalski, Mycologia, 63(3): 497 (1971)].
- Lepidodermopsis vermicularis* R. Wilczek & Meyl., Bull. Soc. Vaud. Sci. Nat. 58: 179 (1934)
According to Kowalski, Mycologia 63(3): 515 (1971) and 67(3): 492 (1975), an illegitimate taxon. The organism so named represents a sclerotial phase of some myxomycete, probably *Lepidoderma granuliferum* (W. Phillips) R. E. Fr.
- "*Licea alba* Bong. in herb." ex Berl. in Saccardo, Syll. Fung. 7: 338 (1888)
Cited as a synonym of *Physarum lividum* Rostaf. Non *L. alba* Nees, 1823. Not validly published [M. & A., 1969: 52].
- Licea badia* Fr., Syst. Mycol. 3: 89 (1829)
Not a myxomycete. An ascomycete?, see G. Lister, Monogr. Mycetozoa, ed. 3: 259 (1925) [M. & A., 1969: 53].
- Licea berteriana* Mont., Fl. Chil. 7: 20 (1852)
Not a myxomycete. An ascomycete? See Lister, Monogr. Mycetozoa, ed. 3: 260 (1925) [M. & A., 1969: 53].
- Licea bicolor* Pers., Syn. Meth. Fung.: 195 (1801)
An ascomycete, *Orbicula parietina* (Schräd. ex Fr.) Hughes. See Hughes, Commonw. Mycol. Inst. Misc. Publ. 42: 1-27 1951 [M. & A., 1969: 53].
- Licea bicolor* var. *calpicola* Alb. & Schwein., Consp. Fung. Lusat.: 107 (1805)
See comments under *L. bicolor* Pers.
- Licea bicolor* var. *lignatilis* Alb. & Schwein., Consp. Fung. Lusat.: 107 (1805)
See comments under *L. bicolor* Pers.
- Licea brassica* Skvortsov, Philipp. J. Sci. 46: 89 (1931)
Wall said to contain lime. A *Diderma*? [M. & A., 1969: 53].
- Licea brunnea* Preuss, Linnaea 26: 709 (1853)
Listed, with description, by Schröter, Krypt.-Fl. Schles. 3(1): 102 (1885). Not recognizable from Schröter's description [M. & A., 1969: 53].

- "*Licea caespitosa* Peck", Annual Rep. New York State Mus. [ref. not located].
Cited by Berlese in Saccardo, Syll. Fung. 7: 405 (1888), as possibly the same as *Physarum caespitosum* Peck. No reference is made in the description of that species to earlier publication in *Licea* [M. & A., 1969: 53].
- Licea didermoides* G. W. Martin, Brittonia 14: 181 (1962)
An ascomycete, *Orbicula parietina* [M. & A., 1969: 53].
- Licea epiphylla* Schwein., Trans. Amer. Philos. Soc. 4: 259 (1832)
Probably a myxomycete, but not recognizable from description; probably not a *Licea* [M. & A., 1969: 415].
- Licea glomerulifera* de Bary & Rostaf. in Alexandrovitch, Miksom. 82 (1872)
Is cited by Rostafinski, Sluzowce Monogr.: 227 (1875), as a synonym of *Reticularia olivacea* (Ehrenb.) Fr., but in his index, p. 272, he says "p.p." [M. & A., 1969: 70].
- Licea guaranitica* Speg., Anales Soc. Ci. Argent. 22: 187 (1886)
Cited by Massee, Monogr. Myxogastr.: 39 (1892), as basionym of *Tubulina guaranitica* Roum., Fungi Sel. Gallici Exs. No. 5196 (1890), q.v. [M. & A., 1969: 415]. Farr, Fl. Neotrop. 16: 28 (1976), comments "Not a myxomycete, the type (LPS 31. 372) is a stilbellaceous hyphomycete".
- Licea hungarica* Moesz, Folia Crypt. 1: 159 (1925)
An ascomycete, probably an *Orbicula* [M. & A., 1969: 53].
- Licea incarnata* Preuss
Cited by Rostafinski, Sluzowce Monogr.: 372 (1875), without reference, as doubtful. May have been published by Preuss in Linnaea 24 (1851). If so, a later homonym of *L. incarnata* Alb. & Schwein. [M. & A., 1969: 415].
- Licea inquinans* Spreng., Syst. Veg. 4(1): 524 (1827)
Cited by Rostafinski, Sluzowce Monogr.: 372 (1875), without reference, as a possible synonym of *Amaurochaete atra* (Alb. & Schwein.) Rostaf. "p.p.". Presumably based on *Dermodium inquinans* Link [M. & A., 1969: 415].
- "*Licea lignatilis* Beck"
Cited by Rostafinski, Sluzowce Monogr.: 372 (1875), without reference, as doubtful. Reference presumably to J. Becker, Fl. Frankfurt (1828) [M. & A., 1969: 415].
- Licea macrospora* Schumach., Enum. Pl. 2: 219 (1803)
Cited by Fries, Summa Veg. Scand.: 459 (1848), as a synonym of his *Lignyota umbrina* Fr., q.v. [M. & A., 1969: 415].
- Licea mandshurica* Skvortsov, Philipp. J. Sci. 46: 89 (1931)
The figure suggests a *Lepidoderma* but the species is said to be without capillitium [M. & A., 1969: 53].
- Licea minima* var. *nolitangere* Nann.-Bremek. in Krieglsteiner, Libri Botanici 11: 109 (1993)
Nom. inval., art. 36.1 and 37.1. Published as "Nann.-Bremek. ined." Holotype not indicated.
- Licea mysorensis* Agnihoth., Indian Phytopathol. 18: 92 (1965)
The pseudocapillitium, as illustrated, suggests that of a *Lycogala*, and the sporangia, opening by a stellate apical pore, suggest that genus more than a *Licea* [M. & A., 1969: 53].
- Licea nitens* Schwein, Trans. Amer. Philos. Soc. 4: 259 (1832)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 246 (1925), as possible synonym of *Perichaena corticalis* (Batsch) Rostaf. [M. & A., 1969: 53].
- Licea olivacea* Fuckel, Jahrb. Nassauischen Vereins Naturk. 23-24: 338 (1870) [1869].
Cited as synonym of *Lindbladia versicolor* (Fr.) Rostaf. in Fuckel, Jahrb. Nass. Ver. Nat. 27-28: 68 (1873). This was not based on *Enteridium olivaceum* Ehrenb., although it has been cited as a synonym of that species. The earlier description suggests *E. olivaceum* but not the later reference [M. & A., 1969: 53].
- Licea pannorum* Wallr., Fl. Crypt. Germ. 2: 343 (1833)
Probably *Orbicula parietina*. See Hughes, Commonw. Mycol. Inst. Misc. Publ. 42: 1-27 1951 [M. & A., 1969: 53].
- Licea quercina* (Fr.) Wallr., Fl. Crypt. Germ. 2: 344 (1833)
May refer to *Perichaena corticalis* (Batsch) Rostaf. See G. Lister, Monogr. Mycetozoa, ed. 3: 246 (1925) [M. & A., 1969: 53].
- Licea schoenleinii* Johow, Estud. Fl. Juan Fernandez: 195 (1896)
G. Lister also cites as a possible synonym of *Licea variabilis* Schrad. [M. & A., 1969: 52]. Farr, Fl. Neotrop. 16: 28 (1976), comments it "the diagnosis is too vague for a positive determination, and could even refer to a species of *Perichaena*".
- Licea serpula* Fr., Symb. Gasteromyc.: 12 (1817)
Is cited by Berlese in Saccardo, Syll. Fung. 7: 404 (1888), as a definite, and in the second and third editions of the Lister monograph as a possible synonym of *L. variabilis* Schrad. [M. & A., 1969: 52].
- Licea spadicea* Fr., Stirp. Agri. Femsion. 84 (1827)
Mentioned by Fries, Syst. Mycol. 3: 197 (1829): "*L. serpula* s. *spadicea* Fries, Symb. Gast. p. 12." [reference not found]. See comment under *L. serpula* Fr. [M. & A., 1969: 53].
- Licea spumarioidea* Cooke & Massee, Grevillea 16: 74 (1888)
Not a myxomycete. *Sepedonium chrysospermum* according to Lister, Monogr. Mycetozoa, ed. 2: 193 (1911) [M. & A., 1969: 53].
- Licea strobilina* Alb. & Schwein., Consp. Fung. Lusat.: 109, pl. 6 fig. 3 (1805)
Believed to be a rust. See Berlese in Saccardo, Syll. Fung. 7: 406 (1888). The species has been transferred as a myxomycete to *Perichaena*, *Tubifera* and *Phelonitis* [M. & A., 1969: 415].
- "*Licea strobilina* Fr."
Cited by Rostafinski, Sluzowce Monogr.: 372 (1875), without reference, as uncertain. We have found no such combination by Fries. In both Symb. Gasteromyc.: 11 (1817 and Syst. Mycol. 3: 191 (1829), Fries cites *L. strobilina* Alb. & Schwein. as a synonym of *Perichaena strobilina* (Alb. & Schwein.) Fr. [M. & A., 1969: 415].
- Licea suberea* (Chevall.) Fr., Syst. Mycol. 3: 198 (1829)
Based on *Phelonitis suberea* Chevall. Probably not a myxomycete [M. & A., 1969: 415].
- Licea sulphurea* Wallr., Fl. Crypt. Germ. 2: 343 (1833)
Probably *Orbicula parietina*. See Hughes, Commonw. Mycol. Inst. Misc. Publ. 42: 1-27 1951 [M. & A., 1969: 53].
- Lignyidium quercinum* Fr., Stirp. Agri Femsion.: 83 (1826)
Cited by Rostafinski, Sluzowce Monogr.: 190 (1874), as a synonym of *Cornuvia circumscissa* Wallr. ex Rostaf., "p.p." in index; accepted without question by Berlese in Saccardo, Syll. Fung. 7: 422 (1888). Probably a *Perichaena* but species doubtful [M. & A., 1969: 415].

- Lignyodium reniforme* Fr., Symb. Gasteromyc.: 10 (1817)
Also cited by Rostafinski as a synonym of *Physarum gyrosum* Rostaf., is cited in the Lister monograph as doubtful under both *Ph. gyrosum* and *Ph. muscorum* (Alb. & Schwein.) Berl. [M. & A., 1969: 266].
- Lignyota nigra* Fr., Summa Veg. Scand.: 459 (1849)
Cited by Rostafinski, Sluzowce Monogr. Suppl.: 17 (1876), as a synonym of *Chondrioderma liceoides* Rostaf., now a synonym of *Didymium difforme* (Pers.) Gray [M. & A., 1969: 415].
- Lignyota umbrina* Fr., Summa Veg. Scand.: 459 (1849)
Identity not known. See Rostafinski, Sluzowce Monogr.: 228 (1875) [M. & A., 1969: 416].
- Linbladia versicolor* (Fr.) Rostaf. in Fuckel, Symb. Mycol. Nachtr. II 27-28: 68 (1873)
See comments under *Reticularia versicolor* Fr.
- Lycogala argentea* Pers., Tent. Disp. Meth. Fung.: 7 (1794)
This has been associated with *Reticularia lycoperdon* Bull., *Lycogala flavofuscum* (Ehrenb.) Rostaf. and other species. Pending reexamination of Persoon's type, if it still exists, it must be regarded as a nomen confusum [M. & A., 1969: 416].
- Lycogala cinerea* Schumach., Enum. Pl. 2: 193 (1803)
Cited by Lister, Monogr. Mycetozoa, ed. 3: 199 (1925), as a possible synonym of *L. epidendrum* (L.) Fr. [M. & A., 1969: 65].
- "*Lycogala clathroides* Scop."
Cited by Saccardo & Traverso in Saccardo, Syll. Fung. 19: 1143 (1910), as *L. clathroide* Scop., as a "species incerta". Correspond with *Mucor clathroides* Scop., *Arcyria denudata* (L.) Wettst. of the present treatment.
- "*Lycogala epidendrum* J. C. Buxb."
Cited by Berlese in Saccardo, Syll. Fung. 7: 433 (1888), as "*L. epidendrum* J. C. Buxb., Hall. p. 203, 1721". Cooke, Contr. Mycol. Brit.: 75 (1877), cited *Lycoperdon epidendron* J. C. Buxb. Is a pre-Linnaean name.
- Lycogala epidendrum* var. *cristatum* Flatau & Schinner, Z. Mykol. 60(1): 256 (1994)
Nom. inval., see ICBN, art. 37.1, without mention of the holotypus.
- Lycogala fuliginosa* Johnst., Fl. Berwick-upon-Tweed 2: 189 (1831) ["*Lycogala*"]
Probably a small, dark form of *L. epidendrum* (L.) Fr. [M. & A., 1969: 65].
- "*Lycogala globosum* P. Micheli", Nov. Gen. Pl.: 216, pl. 95 fig. 3 (1729)
Cited by Berlese in Saccardo, Syll. Fung. 7: 435 (1888), as a synonym of *L. epidendrum* (L.) Fr. Micheli's name was a polynomial and pre-Linnaean, but it may have been validated by Schrank, Baier. Fl. (1789), since Rostafinski, Sluzowce Monogr.: 373 (1875), cites it as *L. globosum* Schrank [M. & A., 1969: 416].
- Lycogala globosum* Schrank, Baier. Fl. 2: 638 (1789)
Not a myxomycete. See Lister, Monogr. Mycetozoa, ed. 3: 160 (1925) [M. & A., 1969: 65].
- "*Lycogala leiosporum* Reichard"
Cited by Saccardo & Traverso in Saccardo, Syll. Fung. 19: 1142 (1910), as "*L. leiosporum* Reichardt, Fungi, tab. 20 fig. 1".
- "*Lycogala luteum* P. Micheli", Nov. Gen. Pl.: 216, pl. 95 fig. 4 (1729)
Cited by Berlese in Saccardo, Syll. Fung. 7: 442 (1888), as a synonym of *Trichia varia* (Pers. ex J. F. Gmel.) Pers. Pre-Linnaean and a polynomial, and never, so far as we know, validated. Its identity extremely doubtful [M. & A., 1969: 416].
- Lycogala miniata* Johnst., Fl. Berwick-upon-Tweed 2: 1831)
Cited by Berlese in Saccardo, Syll. Fung. 7: 436 (1888), as a synonym of *L. epidendrum* (L.) Fr.
- Lycogala minutum* Sacc. & Paol., Atti Real Ist. Veneta 6: 5, pl. 5 fig. 1 (1877)
Nom. illeg., non *L. minutum* Grev., 1823. Not recognizable from description in Saccardo, Syll. Fung. 7: 436 (1888), or Massee, Monogr. Myxogastr.: 125 (1892) [M. & A., 1969: 65].
- Lycogala mysorensis* (Agnihotr.) Agnihotr., Indian Phytopathol. 19(2): 229 (1966)
Based on *Licea mysorensis* Agnihotr., see comments under this species.
- Lycogala niveum* Hoffm., Veg. Crypt. 2: 9 (1790)
An immature *Lamproderma*? See G. Lister, Monogr. Mycetozoa, ed. 3: 260 (1925) [M. & A., 1969: 65].
- Lycogala ochraceum* Massee, Monogr. Myxogastr.: 125 (1892)
Not a myxomycete. See G. Lister, Monogr. Mycetozoa, ed. 3: 260 (1925) [M. & A., 1969: 65].
- "*Lycogala olivacea* Link, Handbuch"
Cited by Berlese in Saccardo, Syll. Fung. 7: 410 (1888), as a synonym of *Enteridium olivaceum* Ehrenb.
- Lycogala parietinum* (Schrad.) Fr., Syst. Mycol. 3: 83 (1829)
Based on *Didymium parietinum* Schrad. It is an ascomycete, *Orbilbia parietina* (Schrad. ex Fr.) Hughes [M. & A., 1969: 65].
- Lycogala platense* Speg., Anales Mus. Nac. Hist. Nat. Buenos Aires 6: 203 (1899)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 199 (1925), as a possible synonym of *L. epidendrum* (L.) Fr. [M. & A., 1969: 65].
- Lycogala plumbea* Schumach., Enum. Pl. 2: 193 (1803)
Cited by Berlese in Saccardo, Syll. Fung. 7: 436 (1888), as a synonym of *L. epidendrum* (L.) Fr. [M. & A., 1969: 65].
- Lycogala rostafinskii* Siemaszko, Kosmos (Lvov) 47: 249 (1922)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 198 (1925), as a possible synonym of *L. flavofuscum* (Ehrenb.) Rostaf. [M. & A., 1969: 65].
- Lycogala rufo-cinnamomeum* Massee, Monogr. Myxogastr.: 127 (1892)
A fungus. See G. Lister, Monogr. Mycetozoa, ed. 3: 260 (1925) [M. & A., 1969: 65].
- "*Lycogala sessile* Retz."
Cited by Berlese in Saccardo, Syll. Fung. 7: 435 (1888), as a synonym of *L. epidendrum* (L.) Fr., with reference "Ac. Holms. 254."—Fl. Scand.: 254 (1779)—[M. & A., 1969: 65].
- Lycogala torrendii* Bres. in Torrend, Brotéria, Sér. Bot. 7: 28 (1908)
Sent by Torrend to Bresadola as a doubtful form, probably not a myxomycete. However, Bresadola decided it was a *Lycogala* and published it as cited. Neither the description

- nor the illustrations given in Torrend, *Broteria*, Sér. Bot. 7: 28, pl. 9 figs. 19-20 (1908), suggest a myxomycete. Saccardo & Trotter in Saccardo, *Syll. Fung.* 22: 808 (1913), cite it with a question mark [M. & A., 1969: 65].
- Lycoperdon aggregatum* Lilj., *Utkast Sv. Fl.*: 355 (1792).
Cited by Berlese in Saccardo, *Syll. Fung.* 7: 439 (1888), as a synonym of *Trichia fallax* Pers. A later homonym of *L. aggregatum* Retz., 1779 [M. & A., 1969: 416].
- Lycoperdon aggregatum* Retz., *Fl. Scan.*: 1627 (1779)
Cited by Berlese in Saccardo, *Syll. Fung.* 7: 443 (1888), as a synonym of *Trichia chrysosperma* (Bull.) DC. [M. & A., 1969: 416].
- "*Lycoperdon alni* Bjerk. in Vet., *Handl. p.* 39"
Cited by Berlese in Saccardo, *Syll. Fung.* 7: 344 (1888), as a synonym of *Physarum cinereum* (Batsch) Pers. Reference not found [M. & A., 1969: 416].
- Lycoperdon bombacinum* Batsch, *Elench. Fung.*: 153 (1783)
Cited by Rostafinski, *Sluzowce Monogr.*: 247 (1875), as a synonym of *Trichia fragilis* (Sowerby) Rostaf. [M. & A., 1969: 416].
- Lycoperdon coccineum* Raf., *J. Bot. (Desvaux)* 1: 237 (1813)
Listed by Fischer in Saccardo, *Syll. Fung.* 7: 132 (1888) among doubtful species. The very brief description suggests *Lycogala epidendrum* (L.) Fr. [M. & A., 1969: 416].
- Lycoperdon cylindricum* With., *Bot. Arr. Brit. Pl.*, ed. 2. 3: 414 (1792)
Cited by S. F. Gray, *Nat. Arr. Brit. Pl.* 1: 574 (1821), as a synonym of *Leocarpus parasiticus* (With.) Gray [M. & A., 1969: 416].
- Lycoperdon echiniforme* Sowerby, *Col. Fig. Engl. Fung.*, pl. 400 fig. 1 (1803)
Cited by Berlese in Saccardo, *Syll. Fung.* 7: 402 (1888), as a synonym of *Brefeldia maxima* (Fr.) Rostaf. This is extremely doubtful [M. & A., 1969: 416].
- "*Lycoperdon epidendrum* Sowerby", *Col. Fig. Engl. Fung.*, pl. 400 figs. 2-3 (1803)
Cited by Berlese, in Saccardo, *Syll. Fung.* 7: 402 (1888), as an additional synonym of *Brefeldia maxima* (Fr.) Rostaf. Sowerby never intended this as a new name, nor do the figures cited suggest *Brefeldia* [M. & A., 1969: 416].
- Lycoperdon epiphyllum* Huds., *Fl. Angl.*, ed. 2: 645 (1778)
Cited by Rostafinski, *Sluzowce Monogr.*: 286 (1875), as a synonym of *Lycogala epidendrum* (L.) Fr. If published as new, a later homonym of *L. epiphyllum* Lightf., 1777 [M. & A., 1969: 416].
- Lycoperdon epiphyllum* Lightf., *Fl. Scot.*: 1069 (1777)
Cited by Rostafinski, *Sluzowce Monogr.*: 255 (1875), as a synonym of *Trichia chrysosperma* (Bull.) DC. [M. & A., 1969: 416].
- Lycoperdon ferrugineum* R. A. Hedw., *Observ. Bot.* 1, pl. 10 figs. 1-4 (1802)
Cited by Rostafinski, *Sluzowce Monogr.*: 262 (1875), as a synonym of *Hemiarcyria rubiformis* (Pers.) Rosaf. [M. & A., 1969: 416].
- Lycoperdon fuscum* Huds., *Fl. Angl.*, ed. 2: 645 (1778)
Cited by Rostafinski, *Sluzowce Monogr.*: 241 (1875), as a synonym of *Reticularia lycoperdon* Bull. [M. & A., 1969: 416].
- Lycoperdon gregarium* Retz., *Observ. Bot.* 1: 33 (1779)
Cited by Rostafinski, *Sluzowce Monogr.*: 253 (1875), as a synonym of *Trichia chrysosperma* (Bull.) DC. [M. & A., 1969: 416].
- Lycoperdon hypoxylon* Pall., *Reise Russ. Reich.* 2: 503 (1771)
Cited by Rostafinski, *Sluzowce Monogr.*: 275 (1875), as a synonym of *Arcyria incarnata* (Pers. ex J. F. Gmel.) Pers. [M. & A., 1969: 416].
- Lycoperdon luridum* R. A. Hedw., *Observ. Bot.* 1, pl. 11a (1802)
Cited by Rostafinski, *Sluzowce Monogr.*: 375 (1875), as a synonym of *Trichia varia* (Pers. ex J. F. Gmel.) Pers. "p.p." [M. & A., 1969: 416].
- Lycoperdon luteum* Jacq., *Misc. Austriac.* 1: 139, pl. 8 (1778)
Cited by G. Lister, *Monogr. Mycetozaa*, ed. 3: 60 (1925), as a doubtful synonym of *Physarum contextum* (Pers.) Pers. Possibly not to be regarded as a binomial, although so listed on p. 211. Surely not a myxomycete; probably a hypocreaceous fungus [M. & A., 1969: 416].
- Lycoperdon luteum* Schrank, *Baier. Fl.* 2: 629 (1789)
Cited by Rostafinski, *Sluzowce Monogr.*: 135 (1874), as a synonym of *Fuligo varians* Sommerf. If Jacquin's name was validly published, this is a later homonym [M. & A., 1969: 417].
- Lycoperdon rufum* Dicks., *Fasc. Pl. Crypt. Brit.* 1: 35 (1785)
A possible synonym of *Arcyria denudata* (L.) Wettst., see Lister, *Monogr. Mycetozaa*, ed. 2: 240 (1911).
- "*Lycoperdon sanguineum* J. C. Buxb."
Cited by Berlese in Saccardo, *Syll. Fung.* 7: 435 (1888), as a synonym of *Lycogala epidendrum* (L.) Fr., is a pre-Linnaean name.
- "*Lycoperdon sanguineum* Ruppius, *Fl. Jen.*"
Cited by Berlese in Saccardo, *Syll. Fung.* 7: 435 (1888), as a synonym of *Lycogala epidendrum* (L.) Fr., is a pre-Linnaean name.
- Lycoperdon sphaericum* Gled., *Meth. Fung.*: 150 (1753)
Pre-Linnaean, and not a binomial as published [M. & A., 1969: 417].
- Lycoperdon stipitatum* Retz., *Kongl. Svenska Vetenskapsakad. Handl.* 30: 254 (1769)
Cited by Rostafinski, *Sluzowce Monogr.*: 157 (1874), as a synonym of *Didymium microcarpon* (Fr.) Rostaf. [M. & A., 1969: 417].
- Lycoperdon unguinum* Schumach., *Enum. Pl.* 2: 192 (1803)
Cited by Rostafinski, *Sluzowce Monogr.*: 227 (1875), as a synonym of *Enteridium olivaceum* Ehrenb. Doubtful, according to G. Lister, *Monogr. Mycetozaa*, ed. 3: 193 (1925) [M. & A., 1969: 417].
- Lycoperdon verrucosum* Batsch, *Elench. Fung.*: 155 (1783)
Cited by Rostafinski, *Sluzowce Monogr.*: 286 (1875), as a synonym of *Lycogala epidendrum* (L.) Fr., which the vague description makes possible [M. & A., 1969: 417].
- Lycoperdon vesiculosum* Batsch, *Elench. Fung. Continuatio Prima*: 253, fig. 17 (1786)
Cited by Rostafinski, *Sluzowce Monogr.*: 254 (1875), as a synonym of *Trichia varia* (Pers. ex J. F. Gmel.) Pers. var. *genuina*. Probably a *Trichia* but species uncertain [M. & A., 1969: 417].

- Mucilago crustacea* var. *alba* Battarra, Fungi Arimin.: 76 (1755)
Cited by Berlese in Saccardo, Syll. Fung. 7: 435, 1888.
- "*Mucilago crustacea* var. *dictyospora* R. E. Fr."
Neubert, Nowotny & Baumann, Myxomyceten 2: 157 (1995), attribute it erroneously to R. E. Fr., but R. E. Fries, Ark. Bot. 1: 66 (1903) name it *Spumaria alba* var. *dictyospora* R. E. Fr.
- "*Mucilago filamentosa, ramosa* Bonamy", Fl. Nannet. Prodr.: 135, pl. 3 (1782)
Cited by Rostafinski, Sluzowce Monogr.: 191 (1874), as a synonym of *Spumaria alba* (Bull.) DC. Citation suggests not a binomial [M. & A., 1969: 417].
- "*Mucilago granosa* Scop."
Cited by Saccardo & Traverso in Saccardo, Syll. Fung. 20: 123 (1911), as "*Mucilago granosa* Scop., Dissertat. 1, tab. 1, fig. 2." as a "*species incertae sedis*".
- Mucilago minima* P. Micheli, Nov. Gen. Pl.: 216 (1729)
Cited by Saccardo. Micheli's names were not binomials and are of course pre-Linnaean, and later citations as such do not validate them.
- Mucilago reticulata* Hoffm.
Cited by Saccardo, Cuboni & Mancini in Saccardo, Syll. Fung. 6: 330 (1888), as "*Mucilago reticulata* Hoffm., Crypt. T. 10", as a synonym of *Poria reticulata* (Pers.) Fr., not a myxomycete.
- "*Mucilago sordida* Scop."
Cited by Saccardo & Traverso in Saccardo, Syll. Fung. 20: 123 (1911), as "*Mucilago sordida* Scop., Dissertat. 1, tab. 1, fig. 1." as a "*species incertae sedis*".
- Mucor albus* Sobol., Fl. Petrop.: 324 (1799)
Cited by Rostafinski, Sluzowce Monogr.: 127 (1874), as a synonym of *Tilmadoche nutans* (Pers.) Rostaf. [M. & A., 1969: 417].
- Mucor araneosus* Jacq., Misc. Austriac. 2: 376, pl. 20 (1781)
Incorrectly cited by Rostafinski, Sluzowce Monogr.: 194 (1874), as a synonym of *Stemonitis fusca* Roth. Copied, with correction, by later authors. Extremely doubtful. The original description and figure suggest *Tubifera ferruginosa* (Batsch) J. F. Gmel. [M. & A., 1969: 417].
- Mucor butyraceus* Schaeff., Fung. Bavar. Palat. Nasc. 4: 132 (1774)
Often cited as a synonym of *Fuligo septica* (L.) F. H. Wigg. This is possible but neither the description nor the illustration, pl. 194, make it more than that [M. & A., 1969: 268].
- Mucor caeruleus* Latourr., Chlor. Lugd. 41 (1785)
Latourrette cites "*Trichia* Hall. 2163". Probably an *Arcyria* but otherwise unidentifiable. See also comment on *Arcyria pyriformis* F. H. Wigg.
- Mucor carneus* Schaeff., Fung. Bavar. Palat. Nasc. 4: 133, pl. 195 (1774)
Fries, Syst. Mycol., Index: 120 (1832), suggests *Aethalium septicum* (L.) Fr., but that is extremely doubtful [M. & A., 1969: 417].
- "*Mucor carnosus* Dicks."
Cited by Rostafinski, Sluzowce Monogr.: 376 (1875), without citation, as a synonym of *Fuligo varians* Sommerf. Reference evidently to Dickson, Fasc. Pl. Crypt. Brit. (1785) [M. & A., 1969: 417].
- Mucor embolus* L., Sp. Pl. 1185 (1753)
Presumably an *Arcyria* or a *Stemonitis*. See Martin, Stud. Nat. Hist. Iowa Univ. 20: 15, 24 (1966) [M. & A., 1969: 417].
- Mucor granulatus* Schaeff., Fung. Bavar. Palat. Nasc. 4: 133, pl. 296 (1774)
Cited by Rostafinski, Sluzowce Monogr.: 254 (1875), as a synonym of *Trichia varia* (Pers. ex J. F. Gmel.) Pers. Highly questionable [M. & A., 1969: 417].
- Mucor lacteus* Leers, Fl. Herborn.: 1132 (1775)
Cited by Rostafinski, Sluzowce Monogr.: 252 (1875), as a synonym of *Trichia varia* var. *nigripes* (Pers.) Rostaf. [M. & A., 1969: 417].
- Mucor lycoperdoides* Scop., Ann. Nat. Hist. 4: 151, pl. 1 fig. 11 (1772)
Cited by Rostafinski, Sluzowce Monogr.: 294 (1875), as a synonym of *Perichaena fusco-atra* (Sibth.) Rostaf.; by G. Lister, Monogr. Mycetozaa, ed. 3: 246 (1925), as a doubtful synonym of *P. corticalis* (Batsch) Rostaf. [M. & A., 1969: 417].
- Mucor miniatus* Jacq., Fl. Austriac. 3: 54, pl. 299 (1775)
Cited by Rostafinski, Sluzowce Monogr.: 243 (1875), as a synonym of *Trichia fallax* Pers. Doubtful, G. Lister, Monogr. Mycetozaa, ed. 3: 212 (1925) [M. & A., 1969: 417].
- Mucor pyriformis* Scop., Fl. Carniol., ed. 2: 2: 492 (1772)
Non *M. pyriformis* Leers, 1775. Cited by Rostafinski, Sluzowce Monogr.: 247 (1875), as a synonym of "*Trichia nigripes* Pers."; on p. 252, of *T. varia* var. *nigripes* (Pers.) Rostaf. See G. Lister, Monogr. Mycetozaa, ed. 3: 208 (1925) [M. & A., 1969: 417].
- Mucor sphaerocephalus* Batsch, Elench. Fung.: 157 (1783)
Cited by Rostafinski, Sluzowce Monogr.: 154 (1874), as a synonym of *Didymium farinaceum* Schrad., but that is no more than a possibility [M. & A., 1969: 417].
- "*Mucor stemonitis* Schaeff.", Fung. Bavar. Palat. Nasc. 4: 133, pl. 297 (1774)
Not published as new. Schaeffer cites *M. stemonitis* Scop. His plate does in all probability represent *Comatracha typhoides* (Bull.) Rostaf. [M. & A., 1969: 417].
- Mucor tubulosus* Retz., Kongl. Svenska Vetenskapsakad. Handl., 30: (1769)
Cited by Rostafinski, Sluzowce Monogr.: 220 (1875), as a synonym of *Tubulina cylindrica* (Bull.) DC. Fries, Syst. Mycol., Index: 121 (1832), wrote after it (*Licea*), since he then regarded *Tubulina* as a "tribus" of *Licea* [M. & A., 1969: 417].
- Mucor violaceus* Leers, Fl. Herborn.: 1128 (1775)
Cited by Rostafinski, Sluzowce Monogr.: 204 (1874), as synonym of *Lamproderma columbinum* (Pers.) Rostaf. [M. & A., 1969: 418].
- "*Oligonema nitens* Lister", Monogr. Mycetozaa, ed. 2: 221 (1911)
Cited by G. Lister, Monogr. Mycetozaa, ed. 2: 221 (1911), as a synonym of *O. flavidum* (Peck) Peck; A. Lister in 1895 merely included forms now segregated as *O. flavidum* in *O. nitens* Lib. ex Rostaf. [M. & A., 1969: 418].

- Ophiotheca anomala* (P. Karst.) Massee, Monogr. Myxogastr.: 135 (1892)
Cited by G. Lister, Monogr. Mycetozoa, ed. 2: 211 (1911), as possible synonym of *Trichia scabra* Rostaf. See comment under *Cornuvia anomala* (P. Karst.) P. Karst. [M. & A., 1969: 117].
- “*Ophiotheca circumscissa* Curr.”, Monogr. Myxogastr.: 131 (1892)
Cited in Lister, Monogr. Mycetozoa: 196 (1894), as “*O. circumscissa* Massee”, as a synonym of *Perichaena chrysosperma* (Curr.) Lister Massee cites *Cornuvia circumscissa* Wallr. ex Rostaf., Sluzowce Monogr.: 290 (1875), based on *Trichia circumscissa* Wallr., which may have been either *P. depressa* Lib. or *P. chrysosperma* [M. & A., 1969: 117].
- “*Ophiotheca umbrina* Ellis”
Cited by Saccardo, Syll. Fung. 10: 91 (1892) as a synonym of *Perichaena vermicularis* (Schwein.) Rostaf.
- “*Ophiuridium rugulosum* Hazsl.”, Bot. Jahresber. (Just) 5: 155 (1877)
Cited by Berlese in Saccardo, Syll. Fung. 7: 409 (1888), as a synonym of *Clathroptychium rugulosum* (Wallr.) Rostaf. No such name has been found either in reference cited, nor in Hazslinszki’s original paper (1877), on which the notice in the Jahresbericht is based [M. & A., 1969: 418].
- Paradiacheopsis arcyrionema* (Rostaf.) Hertel, Dusenía 7: 348 (1956)
Nom. inval., see ICBN, art. 33.3, basionym reference omitted.
- Paradiacheopsis cornea* (G. Lister & Cran) Hertel, Dusenía 7: 348 (1956)
Nom. inval., see ICBN, art. 33.3, basionym reference omitted.
- Paradiacheopsis elegans* (Racib.) Hertel, Dusenía 7: 348 (1956)
Nom. inval., see ICBN, art. 33.3, basionym reference omitted.
- Paradiacheopsis lurida* (Lister) Hertel, Dusenía 7: 348 (1956)
Nom. inval., see ICBN, art. 33.3, basionym reference omitted.
- Paradiacheopsis martinii* (Alexop. & Bencke) Hertel, Dusenía 7: 348 (1956)
Nom. inval., see ICBN, art. 33.3, basionym reference omitted.
- Paradiacheopsis rubens* (Lister) Hertel, Dusenía 7: 348 (1956)
Nom. inval., see ICBN, art. 33.3, basionym reference omitted.
- Paradiacheopsis synsporos* (Alexop.) Nann.-Bremek., Proc. Kon. Ned. Akad. Wetensch., C 70(2): 209 (1967)
Nom. inval., see ICBN, art. 33.3, basionym reference omitted.
- Pecila peleteri* Lepell., Bull. Soc. Philam. (Paris) 1822: 109 (1822)
Probably a myxomycete, see Martin, Stud. Nat. Hist. Iowa Univ. 20: 26 (1966).
- Perichaena agavei* G. Moreno, A. Sánchez, Lizárraga, Illana & A. Castillo in Stephenson, Landolt & Owens (eds.), Third Int. Congr. Syst. Ecol. Myxomycetes: 52 (1999).
Nom. inval., see ICBN, art. 36.1, without Latin description or diagnosis.
- Perichaena decipiens* Berk. & Broome, Ann. Mag. Nat. Hist., ser 2, 17: 146 (1876)
Compared with *P. strobilina* (Alb. & Schwein.) Fr., of which it may be a synonym. Probably a rust [M. & A., 1969: 117].
- “*Perichaena gregata* Fautrey & Lamb.”
Cited by Martin & Alexopoulos (1969: 117), with reference to Rev. Mycol. 9: 11 (1887). In the French journal cited *Perichaena phaeosperma* P. Karst.
- Perichaena microcarpa* J. Schröt., Krypt.-Fl. Schlesien Pilze Schles. 3(1): 108 (1885)
Cited by G. Lister, Monogr. Mycetozoa, ed. 2: 250 (1911), as possible synonym of *P. corticalis* (Batsch) Rostaf. If *P. microcarpa* Saut. was validly published, and if both names refer to the same thing, Schroeter’s name is invalid [M. & A., 1969: 117].
- “*Perichaena microcarpa* Saut.”
Cited by Berlese in Saccardo, Syll. Fung. 7: 421 (1888), with reference to “Rabh. DC. Fl. n. 2180” (Date?), as synonym of *P. fusco-atra* (Sibth.) Rostaf., now regarded as synonym of *P. corticalis* (Batsch) Rostaf. [M. & A., 1969: 117].
- Perichaena pallida* (Ces.) Berl. in Saccardo, Syll. Fung. 7: 422 (1888)
Based on *Stegasma pallidum* Ces., Atti Accad. Sci. Fis. 8(3): 12 (1879). Listed under doubtful species in Massee, Monogr. Myxogastr.: 118 (1892) [M. & A., 1969: 117].
- Perichaena picea* Berk. & Broome, Ann. Mag. Nat. Hist., ser 2, 17: 140 (1876)
Not a myxomycete. Probably a pyrenomycete. See Saccardo, Syll. Fung. 7: 423 (1888) [M. & A., 1969: 117].
- Perichaena quercina* Fr., Symb. Gasteromyc.: 12 (1817)
Cited by G. Lister, Monogr. Mycetozoa, ed. 2: 250 (1911), as a possible synonym of *P. corticalis* (Batsch) Rostaf., but *P. chrysosperma* (Curr.) Lister would be equally possible [M. & A., 1969: 117, 418].
- Perichaena strobilina* (Alb. & Schwein.) Fr., Symb. Gasteromyc.: 11 (1817)
Based on *Licea strobilina* Alb. & Schwein., which was probably a rust. Fries in Syst. Mycol. 3: 191 (1829) cites Greville’s plate 275, which supports this view [M. & A., 1969: 418].
- Perichaena suberea* (Chevall.) Fr., Summa Veg. Scand.: 459 (1848)
Based on *Phelonitis suberea* Chevall. [M. & A., 1969: 418].
- Perichaena vaporaria* Schwein., Trans. Amer. Philos. Soc. 4: 258 (1832)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 246 (1925), as a possible synonym of *P. corticalis* (Batsch) Rostaf. but it could equally well be *P. chrysosperma* (Curr.) Lister [M. & A., 1969: 117].
- Peziza convivalis* Batsch, Elench. Fung.: 121 (1783)
Cited by Rostafirski, Sluzowce Monogr.: 123 (1874), as a synonym of *Craterium leucocephalum* (Pers. ex J. F. Gmel.) Ditmar, “p.p.” in index. Doubtful, see G. Lister, Monogr. Mycetozoa, ed. 3: 78 (1925) [M. & A., 1969: 418].
- Phelonitis* Chevall., Fl. Gén. Env. Paris 1: 345 (1826)
Probably not a myxomycete.

- Phelonitis strobilina* (Alb. & Schwein.) Fr., Summa Veg. Scand.: 459 (1849)
Based on *Licea strobilina* Alb. & Schwein. See comments under this species. Probably a rust [M. & A., 1969: 418].
- Phelonitis suberea* Chevall, Fl. Gén. Env. Paris 1: 345 (1826)
Probably not a myxomycete.
- Phlebomorpha* Pers., Myc. Eur. 1: 61 (1822)
Is a myxomycete plasmodium, see Martin, Stud. Nat. Hist. Iowa Univ. 20: 26-27 (1966).
- Phlebomorpha rufa* Pers., Myc. Eur. 1: 61, pl. 6 figs. 1-2 (1822)
Is a myxomycete plasmodium, see Martin, Stud. Nat. Hist. Iowa Univ. 20: 26-27 (1966).
- Physarum alatum* (Trentep.) Fr., Syst. Mycol. 3: 132 (1829)
Based on *Trichia alata* Trentep. See comments under this species.
- "*Physarum albipes* de Bary", Z. Wiss. Zool. 10: 95 (1866)
Is cited by G. Lister, Monogr. Mycetozoa, ed. 3: 48 (1925), as a possible synonym of *Ph. mutans* var. *robustum* Lister. It is not certain that this name was validly published; if it was, it is a later homonym and perhaps a synonym of *Ph. albipes* Link, 1809 [M. & A., 1969: 318].
- "*Physarum albopunctatum* Link in herb."
Cited by Rostafinski, Sluzowce Monogr.: 101 (1874), as synonym of *Ph. leucopus* Link, "p.p."; p. 114, as synonym of *Ph. leucophaeum* Fr. Not validly published [M. & A., 1969: 338].
- Physarum album* Fuckel, Fungi Rhenani Exs. No. 1459 (1865)
Fuckel, Jahrb. Nass. Ver. Nat. 23-24: 340 (1870), cites it as a synonym of *Carcarina spumarioides* (Fr.) Fr.; Rostafinski, Sluzowce Monogr.: 102 (1874), cites it as a synonym of *Ph. cinereum* (Batsch) Pers. [M. & A., 1969: 338].
- "*Physarum alutaceum* Wallr. in herb."
Cited by Rostafinski, Sluzowce Monogr.: 142 (1874), as synonym of *Badhamia utricularis* (Bull.) Berk. Not validly published [M. & A., 1969: 338].
- Physarum anceps* de Bary, Jahrb. Nassauischen Vereins Naturk. 23-24: 343 (1870) [1869].
Fuckel cites Fungi Rhenani Exs. No. 1460 (1865), which may have included a description. Cited by Rostafinski, Sluzowce Monogr.: 103 (1874), as a synonym of *Ph. virescens* Ditmar [M. & A., 1969: 418].
- Physarum anomalum* (Masse) Torrend, Brotéria, Sér. Bot. 7: 130 (1908)
Based on *Tilmadoche anomala* Masse, see comments under this species.
- Physarum antiades* (Bull.) Fr., Syst. Mycol. 3: 135 (1829)
Based on *Sphaerocarpus antiades* Bull., Hist. Champ. France: 127 (1791), and Herb. France, pl. 368 fig. II (1788). Probably a *Physarum*, but not recognizable specifically [M. & A., 1969: 338].
- "*Physarum areolatum* Bertero in herb."
No published record of this name was found. A specimen so-labelled from Chile (FH) which would probably constitute the type (if the name were validly published) contains only calcareous stipes and fragments [Farr, Fl. Neotrop., 16: 173 (1976)].
- "*Physarum argentinense* Speg. in herb."
Cited by M. L. Farr, Fl. Neotrop. 16: 173 (1976). Apparently an unpublished name.
- Physarum asiaticum* Skvortsov, Philipp. J. Sci. 46: 87 (1931)
Close to, possibly identical with, *Ph. confertum* T. Macbr. [M. & A., 1969: 338].
- "*Physarum atomum* Carmich."
Cited by Berlese in Saccardo, Syll. Fung. 7: 357, 1888 as a synonym of *Craterium aureum* (Schumach.) Rostaf.
- "*Physarum atropurpureum* Peck", Syll. Fung. 7: 348 (1888)
Is an erroneous citation of *Ph. atrorubrum* Peck [M. & A., 1969: 324].
- Physarum atrum* Fr., Syst. Mycol. 3: 147 (1829)
Non *Ph. atrum* Schwein., 1832. According to Morgan, J. Cincinnati. Soc. Nat. Hist. 19: 27 (1896), *Ph. atrum* Fr., is not a myxomycete. See Cooke, Contr. Mycol. Brit.: 16 (1877), and Berlese in Saccardo, Syll. Fung. 7: 350, 351 (1888). The comment "doubtful" in G. Lister, Monogr. Mycetozoa, ed. 3: 260 (1925), summarizes adequately the unsatisfactory status of Fries's name [M. & A., 1969: 339].
- "*Physarum atrum* Morgan"
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 54 (1925), which was never validly published [M. & A., 1969: 294].
- Physarum aurantium* Alb. & Schwein, Consp. Fung. Lusat.: 94 (1805)
Cited by M. L. Farr, Fl. Neotrop. 16: 158 (1976), as a possible synonym of *Ph. pulcherripes* Peck, 1873. In any case, a nom. illeg., non *Ph. aurantium* (Bull.) Pers., 1801.
- "*Physarum aureum* Fr.", Summa Veg. Scand.: 7: 360 (1888)
Not valid. Fries cited Persoon [M. & A., 1969: 339].
- "*Physarum auriscalpium* T. Macbr.", Bull. Iowa Univ. Lab. Nat. Hist. 2: 158 (1893)
Cited in Lister, Monogr. Mycetozoa: 59 (1894), as synonym of *Ph. virescens* Ditmar; by G. Lister, Monogr. Mycetozoa, ed. 2: 84 (1911), as of *Ph. virescens* var. *nitens* Lister. Macbride cited Cooke as author [M. & A., 1969: 339].
- Physarum botryoides* var. *flavovirens* (Alb. & Schwein.) Fr., Stirp. Agri Fension.: 83 (1827)
See comments under *Ph. flavovirens* Alb. & Schwein.
- "*Physarum braunianum* Lister" (1894)
Frequently cited but never validly published [M. & A., 1969: 312].
- "*Physarum brevipes* Schumach. in herb."
Cited by Berlese in Saccardo, Syll. Fung. 7: 359 (1888), as a synonym of *Tilmadoche nutans* (Pers.) Rostaf.
- Physarum bryophilum* Fr., Syst. Mycol. 3: 135 (1829)
Cited by Rostafinski, Sluzowce Monogr.: 204 (1874), as synonym of *Lamproderma columbinum* (Pers.) Rostaf.; "p.p." in index [M. & A., 1969: 339].
- Physarum bryophilum* var. *melanocephalum* Corda, Icon. Fung. 1: 22 (1837)
See comments under *Ph. bryophilum* Fr.
- "*Physarum caelatum* Ehrenb. in herb."
Cited by Berlese in Saccardo, Syll. Fung. 7: 344 (1888), as a synonym of *Ph. cinereum* (Batsch) Pers.

- Physarum cancellatum* Wallr., Fl. Crypt. Germ. 2: 351 (1833)
Cited by Rostafiński, Sluzowce Monogr.: 140 (1874), as a synonym of *Badhamia hyalina* (Pers.) Berk., "p.p." in index. Doubtful, see G. Lister, Monogr. Mycetozoa, ed. 2: 31 (1911) [M. & A., 1969: 418].
- "*Physarum canum* Klotzsch", Sluzowce Monogr. Suppl.: 6 (1876)
Not validly published [M. & A., 1969: 339].
- Physarum cavipes* (Berk.) Torrend, Brotéria, Sér. Bot. 7: 140 (1908)
Based on *Tilmadoche cavipes* Berk., see comments under this species.
- Physarum chlorinum* Cooke, Grevillea 5: 101 (1877)
Although M. & A. (1969: 339) suggest a possible identity of this taxon with *Ph. viride* (Bull.) Pers., Cooke's habit sketch shows pulvinate, sessile sporangia. These and the color stated are the only tangible clues in the diagnosis and it seems more likely that *Ph. chlorinum* is conspecific with *Ph. auriscalpium* Cooke [Farr, Fl. Neotrop., 16: 173 (1976)].
- "*Physarum chrysocephalum* Wallr. in herb."
Cited by Rostafiński, Sluzowce Monogr.: 98 (1874), as synonym of *Ph. schumacheri* Spreng. No evidence of valid publication [M. & A., 1969: 339].
- Physarum cinerascens* Schumach., Enum. Pl. 2: 199 (1803)
Cited by Rostafiński, Sluzowce Monogr.: 154 (1874), as synonym of *Didymium farinaceum* Schrad.; *D. melanospermum* (Pers.) T. Macbr. of the present treatment [M. & A., 1969: 339].
- "*Physarum cinereum* Link"
Cited by G. Lister as a possible synonym of *Badhamia capsulifera* (Bull.) Berk., was not intended as a new name, but was merely a comment on what Link regarded as an aberrant form of Persoon's species [M. & A., 1969: 292].
- "*Physarum cinereum* Lister", Monogr. Mycetozoa: 55 (1894)
Was not published as a new name but merely indicates that A. Lister's conception of *Ph. cinereum* (Batsch) Pers. was broader than that of later authors and included forms which are now segregated. See also comments under *Ph. sessile* Brändž, and *Ph. vernum* Sommerf. [M. & A., 1969: 292].
- "*Physarum cinereum* Schumach. in herb." ex Rostaf., Sluzowce Monogr.: 127 (1874)
Cited as synonym of *Tilmadoche nutans* (Pers.) Rostaf. Non *Ph. cinereum* (Batsch) Pers., 1794. Not validly published [M. & A., 1969: 339].
- Physarum cinereum* f. *genuinum* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 71 (1893)
Nom. inval., see ICBN, art. 24.3.
- "*Physarum citrinellum* Fr. in herb.! Kunze"
Cited by Berlese in Saccardo, Syll. Fung. 7: 343 (1888) as a synonym of *Ph. flavum* Fr. Not validly published.
- "*Physarum citrinum* Sacc.", Syll. Fung. n. 1176 [7: 340]. (1888)
Cited by Massee, Monogr. Myxogastr.: 275 (1892), as a synonym of *Ph. schumacheri* Spreng., and in p. 278, of *Ph. melleum* (Berk. & Broome) Massee, p.p. Berlese in Saccardo, Syll. Fung. Fung., 7: 340 (1888), wrote *Ph. citrinum* Schumach. [M. & A., 1969: 418].
- Physarum citrinum* var. *compressum* Bäumler in Strasser, Pilzflora Sonntagb. (Verh. K. K. Zool.-Bot. Ges. Wien, 1900): 196 (1900)
Cited by Saccardo & Sydow in Saccardo, Syll. Fung. 16: 819 (1902).
- "*Physarum clavus* Ehrenb. in herb." ex Rostaf., Sluzowce Monogr.: 114 (1874)
Non *Ph. clavus* Alb. & Schwein., 1805. Not validly published [M. & A., 1969: 339].
- "*Physarum clavus* Link", Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesammten Naturk. 3: 27 (1809)
Cited by Rostafiński, Sluzowce Monogr.: 135 (1874), as a synonym of *Didymium farinaceum* Schrad. Link wrote *D. clavus* Alb. & Schwein. [M. & A., 1969: 418].
- Physarum coccineum* (Fr.) Fr., Summa Veg. Scand.: 453 (1849)
Based on *Ph. nutans* var. *coccineum* Fr., Syst. Mycol. 3: 129 (1829); cited in the Summa Veg. Scand. as a synonym of *Ph. aureum* Fr.; by Rostafiński, Sluzowce Monogr.: 130 (1874), of *Ph. mutabile* (Rostaf.) G. Lister. Validity of Fries's binomial doubtful [M. & A., 1969: 339].
- "*Physarum coelatum* Ehrenb. in herb." ex Rostaf., Sluzowce Monogr.: 102 (1874)
Cited as a synonym of *Ph. cinereum* (Batsch) Pers. Not validly published [M. & A., 1969: 339].
- "*Physarum coerulescens* Pers." in litt., an Desmazières
Cited by Rostafiński, Sluzowce Monogr.: 142 (1874), as synonym of *Badhamia utricularis* (Bull.) Berk. Not validly published [M. & A., 1969: 339].
- Physarum compressum* Skvortsov, Philipp. J. Sci. 46: 86 (1931)
Nom. illeg., a later homonym of *Ph. compressum* Alb. & Schwein., 1805 [M. & A., 1969: 418].
- "*Physarum confluens* Fr.", Syst. Mycol. 3: 146 (1829)
Cited by Rostafiński, Sluzowce Monogr.: 164 (1874), as a synonym of *Didymium effusum* Link "Excl. syn.!" Fries published this as *Ph. confluens* Pers., Syn. Meth. Fung.: 169 (1801), but on the same page Rostafiński, cites Persoon's combination as a synonym of *Didymium confluens* (Pers.) Rostaf. [M. & A., 1969: 418].
- "*Physarum confluens* Fuckel", Jahrb. Nassauischen Vereins Naturk. 23-24: 342 (1870) [1869]
Cited by Rostafiński, Sluzowce Monogr.: 151 (1874), as synonym of *Didymium complanatum* (Batsch) Rostaf. Fuckel cited his specimen as *Ph. confluens* Pers., Syn. Meth. Fung.: 169 (1801) [M. & A., 1969: 339].
- Physarum confluens* Pers., Syn. Meth. Fung.: 169 (1801)
See Fr., Syst. Mycol. 3: 146 (1829). Probably includes several species [M. & A., 1969: 419].
- Physarum confluens* Spreng., Fl. Hal. Tent. Nov. Mant. II.: 29 (1811)
This may have been intended as a reference to *Ph. confluens* Pers., but Persoon is not cited, and the very brief diagnosis suggests that may not be the case [M. & A., 1969: 419].
- Physarum confluens* var. *muscigenum* Alb. & Schwein., Consp. Fung. Lusat.: 91 (1805)
See comments under *Ph. confluens* Pers.
- Physarum conglomeratum* var. *minutum* (Fr.) Rostaf., Sluzowce Monogr.: 109 (1874)
Based on *Spumaria minuta* Schumach., see comment under this species.
- Physarum connatum* Ditmar in Sturm, Deutschl. Fl., Pilze 1(3): 83 (1816)
See comments under *Ph. connatum* Schumach.

Physarum connatum Schumach., Enum. Pl. 2: 202 (1803)

Noted as doubtful by Rostafinski, Sluzowce Monogr.: 381 (1875), and by later authors. If validly published, it is an earlier homonym of *Ph. connatum* Ditmar, 1816 [M. & A., 1969: 339].

Physarum connexum Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 7: 42 (1815)

Link's name has been associated with other species, particularly *Ph. leucophaeum* Fr., but its identity must remain uncertain [M. & A., 1969: 316].

"*Physarum connexum* Morgan"

Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 51 (1925) and attributed to Morgan, has been copied extensively. Morgan, J. Cincinnati Soc. Nat. Hist. 19: 20 (1896), attributes it to Link, Ges. Nat. Freunde Berlin Mag. 7: 42 (1815) [M. & A., 1969: 316].

Physarum contextum Spreng., Sys. Veg. 9: 20 (1827)

Cited by Berlese in Saccardo, Syll. Fung. 7: 443 (1888), as a synonym of *Trichia chrysosperma* (Bull.) DC., *T. favoginea* (Batsch) Pers. of the present treatment. In any case a nom. illeg., non *Ph. contextum* (Pers.) Pers., 1801.

Physarum contextum var. *genuinum* Rostaf., Sluzowce Monogr.: 110 (1874)

Nom. inval., see ICBN, art. 24.3.

"*Physarum corrugatum* Link in herb."

Cited by Rostafinski Sluzowce Monogr.: 102 (1874), as synonym of *Ph. cinereum* (Batsch) Pers.; "p.p." in index. Not validly published [M. & A., 1969: 339].

Physarum crustiforme Speg., Anales Mus. Nac. Hist. Nat. Buenos Aires 6: 200 (1899)

Doubtful, see G. Lister, Monogr. Mycetozoa, ed. 3: 260 (1925). The sketches and notes are inconclusive –Farr, Fl. Neotrop., 16: 281 (1976)–. Martin & Alexopoulos (1969), following earlier authors, list this taxon as doubtful species and also as synonym of *Diderma effusum* (Schwein.) Morgan. The type specimen (LPS 31416) revealed only some fragments composed of crystalline lime and suffused with hyphae.

"*Physarum curtisii* Berk.", Grevillea 2: 65 (1873)

Cited by Berlese in Saccardo, Syll. Fung. 7: 334 (1888). An error. Berkeley referred his species to *Didymium* [M. & A., 1969: 339].

"*Physarum diderma* Lister"

Lister, J. Bot. 29: 260 (1891), reported this species as *Ph. diderma* Rostaf., and this was repeated in the later editions of the Monogr. Mycetozoa. This does not, of course, constitute effective publication of "*Ph. diderma* Lister" [M. & A., 1969: 288].

"*Physarum diderma* T. Macbr.", N. Amer. Slime-Moulds, ed. 2: 55 (1922)

Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 60 (1925), as a synonym of *Diderma testaceum* (Schr.) Pers. Macbride wrote *Ph. diderma* Rostaf. [M. & A., 1969: 339].

"*Physarum didymium* Schumach.", Enum. Pl. 2: 202 (1803)

Cited by Rostafinski, Sluzowce Monogr.: 127 (1874), as synonym of *Tilmadoche nutans* (Pers.) Rostaf., "p.p." in index [M. & A., 1969: 340].

"*Physarum diffforme* Link"

Cited by Rostafinski, Sluzowce Monogr.: 177 (1874), as "Diss. I. p. 27." Reference is to Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 3: 27 (1809), but no such combination appears there, nevertheless, the name is cited by Berlese, Massee and the Lister, evidently on the basis of Rostafinski's reference, as a synonym of what is now called *Didymium diffforme* (Pers.) Gray [M. & A., 1969: 340].

Physarum dudlianum T. N. Lakh. & K. G. Mukerji, Indian Phytopathol. ? (1979)

Cited by Lakhnopal & Mukerji, Boblioth. Mycol. 78: 204 (1981), as "in press", but no publication has been found.

"*Physarum durieui* Mont. in herb."

Cited by Rostafinski, Sluzowce Monogr.: 125 (1874), as synonym of *Craterium aureum* (Schumach.) Rostaf. Not validly published [M. & A., 1969: 340].

"*Physarum effusum* Link" in herb.

Cited by Rostafinski, Sluzowce Monogr.: 95 (1875), as synonym of *Ph. lividum* Rostaf. Not validly published, non *Ph. effusum* Schwein., 1822 [M. & A., 1969: 340].

Physarum elegans Schwein., Trans. Amer. Philos. Soc. 4: 257 (1832)

Rostafinski, Sluzowce Monogr.: 115 (1874), suggests that it may be a *Badhamia*. Both Berlese and Massee recognize it under *Physarum* but add nothing to the original description. It is rejected as doubtful in the second and third editions of the Lister monograph. The type should be studied [M. & A., 1969: 340].

Physarum elongatum Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 7: 42 (1815)

Doubtful, see Rostafinski, Sluzowce Monogr.: 381 (1875) [M. & A., 1969: 340].

Physarum fasciculatum Jungh., Praem. Fl. Crypt. Java: 11 (1838)

The basionym of *Badhamia fasciculata* (Jungh.) Rostaf., Sluzowce Monogr. Suppl.: 2 (1876). Both cited by G. Lister, Monogr. Mycetozoa, ed. 3: 52 (1925), as doubtful synonyms of *Ph. reniforme* (Massee) G. Lister [M. & A., 1969: 340].

Physarum fimetarium Schumach., Enum. Pl. 2: 205 (1803)

Name rejected by Eliasson & Lunqvist, Bot. Not. 132: 565-566 (1979) as a nom. dub.

"*Physarum flavicomum* Sacc."

Cited by Massee, Monogr. Myxogastr.: 285 (1892), as synonym of *Ph. cupripes* Berk. & Ravenel. Berlese in Saccardo, Syll. Fung. 7: 345 (1888), cites Berkeley as the author [M. & A., 1969: 340].

Physarum flavovirens Alb. & Schwein., Conspect. Fung. Lusat.: 97 (1805)

As noted by Fries, Syst. Mycol. 3: 137 (1829), this is a "*species dubie proposita*," published as an addition to *Ph. clavus* Alb. & Schwein. It was regarded as doubtful by Rostafinski, and others, including G. Lister, Monogr. Mycetozoa, ed. 3: 260 (1925) [M. & A., 1969: 340].

"*Physarum flavum* Fuckel", Jahrb. Nassauischen Vereins Naturk. 23-24: 343 (1870) [1869].

Cited by Rostafinski, Sluzowce Monogr.: 99 (1874), as a synonym of *Ph. schumacheri* Spreng., and copied by later

- authors, but Fuckel correctly cited Fries as the author of the combination [M. & A., 1969: 340].
- Physarum globosum* Schumach., Enum. Pl. 2: 199 (1803)
Doubtful. See Rostafiński, Sluzowce Monogr.: 154 (1874); G. Lister, Monogr. Mycetoza, ed. 2: 129 (1911), and ed. 3: 47, 115 (1925) [M. & A., 1969: 340].
- Physarum globosum* Sommerf., Suppl. Fl. Lapp.: 243 (1826)
Cited by Rostafiński, Sluzowce Monogr.: 128 (1874), as synonym of *Tilmadoche gracilentia* (Fr.) Rostaf. May not have been published as new, if it was, it is a later homonym of *Ph. globosum* Schumach., 1803 [M. & A., 1969: 340].
- “*Physarum globuliferum* DC. in herb.”, teste Fries
Cited by Rostafiński, Sluzowce Monogr.: 140 (1874), as synonym of *Badhamia hyalina* (Pers.) Berk. Not validly published. Non *Ph. globuliferum* (Bull.) Pers., 1801 [M. & A., 1969: 340].
- “*Physarum gracile* Weinm. in herb.”
Cited by Rostafiński, Sluzowce Monogr.: 140 (1874), as synonym of *Badhamia hyalina* (Pers.) Berk. Not validly published [M. & A., 1969: 340].
- “*Physarum gracilentum* Fuckel”
Cited by Rostafiński, Sluzowce Monogr.: 140 (1874), as synonym of *Badhamia hyalina* (Pers.) Berk. Fuckel, Jahrb. Nassauischen Vereins. Naturk. 23-24: 342 (1870), wrote *Ph. gracilentum* Fr. [M. & A., 1969: 340].
- Physarum griseum* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesammten Naturk. 3: 27 (1809)
Various cited as a synonym of *Ph. didermoides* (Pers.) Rostaf., *Ph. compressum* Alb. & Schwein. and *Ph. cinereum* (Batsch) Pers. Perhaps the last. See Fries, Syst. Mycol. 3: 126 (1829) [M. & A., 1969: 341].
- Physarum griseum* Skvortsov, Philipp. J. Sci. 46: 86 (1931)
A later homonym of *Ph. griseum* Link, 1809. Identity uncertain [M. & A., 1969: 341].
- “*Physarum gyrosum* Massee”
Cited by Lister, Monogr. Mycetoza: 33, 66 (1894), as including both *Fuligo septica* (L.) F. H. Wigg. and *Badhamia decipiens* (M. A. Curtis) Berk. Not validly published. Massee, Monogr. Myxogastr.: 307 (1892), wrote *Ph. gyrosum* Rostaf. [M. & A., 1969: 341].
- “*Physarum heteromorpha* [Speg.], in herb.”
Cited by Farr, Fl. Neotrop. 16: 129 (1976). Name never published.
- Physarum hypnophilum* Fr., Stirp. Agri Femsion.: 83 (1826)
Not recognizable from description in Fries, Syst. Mycol. 3: 140 (1829) [M. & A., 1969: 341].
- Physarum hypnorum* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesammten Naturk. 7: 43 (1815)
Cited by Rostafiński, Sluzowce Monogr.: 113 (1874), as synonym of *Ph. leucophaeum* Fr. Rostaf., cites Link’s 1809 paper incorrectly [M. & A., 1969: 341].
- Physarum javanicum* var. *macrosporum* T. N. Lakh. & K. G. Mukerji, Indian Phytopathol. ? (1979)
Cited by Lakhanpal & Mukerji, Biblioth. Mycol. 78: 211 (1981), as “in press”, but no publication has been found.
- Physarum leucophaeum* var. *genuinum* Rostaf., Sluzowce Monogr.: 114 (1874)
Nom. inval., see ICBN, art. 24.3.
- “*Physarum leucopus* Schumach. in herb”
Cited by Berlese in Saccardo, Syll. Fung. 7: 359 (1888), as a synonym of *Tilmadoche nutans* (Pers.) Rostaf. Not validly published.
- Physarum leucostictum* Chevall., Fl. Gén. Env. Paris 1: 336 (1826)
Cited by Rostafiński, Sluzowce Monogr.: 123 (1874), as synonym of *Craterium leucocephalum* (Pers. ex J. F. Gmel.) Ditmar, “p.p.” in index [M. & A., 1969: 341].
- “*Physarum licea* Fuckel”, Jahrb. Nassauischen Vereins Naturk. 23-24: 342 (1870) [1869]
Cited by Rostafiński, Sluzowce Monogr.: 208 (1875), as a synonym of *Lamproderma fuckelianum* Rostaf. Fuckel cited *Ph. licea* Fr. In correcting the reference –l. c. 27-28: 69 (1873)–, the specific epithet was spelled “lycea”, an obvious error [M. & A., 1969: 419].
- Physarum luteovalve* Schwein., Trans. Amer. Philos. Soc. 4: 257 (1832)
Not recognizable from description [M. & A., 1969: 341].
- “*Physarum macrocarpum* Fuckel”
Cited by Rostafiński, Sluzowce Monogr.: 138 (1874) and copied by numerous authors since. Not validly published. Fuckel, Jahrb. Nass. Ver. Nat. 23-24: 343 (1870), wrote *Ph. macrocarpum* Ces. [M. & A., 1969: 419].
- Physarum mandshurica* Skvortsov, Philipp. J. Sci. 46: 87 (1931)
Apparently close to *Ph. flavicomum* Berk., but this may well be a distinct species [M. & A., 1969: 341].
- Physarum melaleucum* Nyl., Not. Sällsk. Fauna Fl. Fenn. Förh. 4: 126 (1859)
Cited by Rostafiński, Sluzowce Monogr.: 142 (1874), as synonym of *Badhamia capsulifera* (Bull.) Berk.; “p.p.” in index [M. & A., 1969: 341].
- Physarum melanopus* Fr., Symb. Gasteromyc.: 25 (1818)
Cited by Rostafiński, Sluzowce Monogr.: 155 (1874), as synonym of *Didymium farinaceum* Schrad.; “p.p.” in index. Cited by Fries, Syst. Mycol. 3: 114 (1829) by implication only [M. & A., 1969: 341].
- “*Physarum membranaceum* Schumach. in herb.”
Cited by Rostafiński, Sluzowce Monogr.: 140 (1874), as synonym of *Badhamia hyalina* (Pers.) Berk. Not validly published [M. & A., 1969: 341].
- “*Physarum muelleri* Berk. msc.”
Cited by Rostafiński, Sluzowce Monogr. Suppl.: 15 (1876). Not validly published. Rostafiński, adopted Berkeley’s manuscript epithet for *Chondrioderma muelleri* Rostaf., l. c., which was validly published, but should be cited as of “Rostaf.”, non “(Berk.) Rostaf.” [M. & A., 1969: 341].
- Physarum muscicola* Pers., Observ. Mycol. 1: 6 (1796)
Recognized as distinct by Albertini & Schweinitz, Fries and Berlese (as *Ph. muscicolum*) in Saccardo, Syll. Fung. 7: 351 (1888). Persoon’s type, if still in existence, should be examined [M. & A., 1969: 419].
- Physarum niezabitowskii* Namysl., Spraw. Komis. Fizjogr. 72: 453 (1937)
Cited by Krzemieniewska, Sluzowce Polski: 80 (1960), as a synonym of *Ph. cinereum* (Batsch) Pers. [M. & A., 1969: 419].

Physarum nigrum Fr., Syst. Mycol. 3: 146 (1829)

Cited by Rostafiński, Sluzowce Monogr.: 155 (1874), as synonym of *Didymium farinaceum* Schrad.; “p.p.” in index. Fries, Syst. Mycol. 3: 147 (1829), equates it with *Strongilium minus* Fr., Symb. Gasteromyc.: 9 (1817), incorrectly cited by Berlese in Saccardo, Syll. Fung. 7: 381 (1888), as “*S. minor*”. Possibly a synonym of *Didymium minus* (Lister) Morgan of the present treatment [M. & A., 1969: 341].

Physarum nodulosum Cooke & Balf.f. in Ravenel & Cooke, Fungi Amer. Exs. No. 479 (1881)

Nom. nud. Without description on the label of the exsiccata. The material served Massee as a base to describe *Badhamia nodulosa* Massee, now seen as a synonym of *Ph. pusillum* (Berk. & M. A. Curtis) G. Lister.

“*Physarum obrussum* T. Macbr.”

Invalid. Cited by G. Lister, Monogr. Mycetozoa, ed. 2 (1911) and ed. 3 (1925). Macbride, N. Amer. Slime-Moulds: 52 (1899), wrote *Ph. obrussum* (Berk. & M. A. Curtis) Rostaf. [M. & A., 1969: 341].

“*Physarum ochraceum* Hoffm.”, Krypt.-Fl. Schlesien Pilze Schles. 3(1): 130 (1886)

The specific epithet was evidently based on that of Hoffmann’s name (*Diderma ochraceum* Hoffm.), but the combination was not validly published, and was probably applied by Schroeter to a quite different species, probably *Ph. conglomeratum* (Fr.) Rostaf. [M. & A., 1969: 364].

Physarum ornatum Peck, Annual Rep. New York State Mus. 31: 40 (1879)

Both, Lister and Hagelstein, cited it as a possible synonym of *Ph. oblatum* T. Macbr. Hagelstein examined what is left of the type and found only stalks remaining. It must, therefore, be regarded as a doubtful species [M. & A., 1969: 319].

Physarum oxyacanthae Schumach., Enum. Pl. 2: 199 (1803)

Cited by Rostafiński, Sluzowce Monogr.: 154 (1874), as synonym of *Didymium farinaceum* Schrad.; “p.p.” in index. Doubtful, see G. Lister, Monogr. Mycetozoa, ed. 3: 260 (1925) [M. & A., 1969: 341].

Physarum peterstii var. *genuinum* Rostaf., Sluzowce Monogr. Suppl.: 6 (1876)

Nom. inval., see ICBN, art. 24.3.

Physarum physaroides (Pers.) Chevall., Fl. Gén. Env. Paris, ed. 2, 1: 339 (1836)

Based on *Spumaria physaroides* Pers. See comments under this species.

Physarum piceum Fr., Syst. Mycol. 3: 143 (1829)

Doubtful, see Rostafiński, Sluzowce Monogr.: 383 (1875) [M. & A., 1969: 341].

“*Physarum pini* Fr.”

Cited by Rostafiński, Sluzowce Monogr.: 383 (1875). As noted in p. 128, this is *Ph. pini* Schumach. as interpreted by Fries [M. & A., 1969: 419].

Physarum polonicum Skup., Bull. Acad. Polon. Sci., Sér. Sci. Biol. 1924: 391 (1924)

Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 51 (1925), as a synonym of *Ph. connatum* (Peck) G. Lister, i. e. *Ph. notabile* T. Macbr. of the present treatment. Denied by Skupienski, Bull. Soc. Mycol. France 42: 158 (1924). The

species is recognized by Krzemieniewska, Sluzowce Polsk.: 82 (1960) [M. & A., 1969: 341].

Physarum polyhedron Schwein., Trans. Amer. Philos. Soc. 4: 257 (1832)

An ascomycete, *Argynna polyhedron* (Schwein.) Morgan [M. & A., 1969: 341].

Physarum psittacinum var. *fulvipes* (Fr.) Rostaf., Sluzowce Monogr. Suppl.: 8 (1876)

Based on *Didymium fulvipes* Fr., see comments under this species.

“*Physarum pulchripes* Peck 26 Rep. pag. 75”

Cited by Berlese in Saccardo, Syll. Fung. 7: 349 (1888), and recorded and attributed to Berlese by M. & A. (1969: 324). Clearly a direct reference to *Ph. pulcherripes* Peck, 1873.

Physarum purpurascens Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamnten Naturk. 7: 42 (1815)

Doubtful; see Rostafiński, Sluzowce Monogr.: 383 (1875) [M. & A., 1969: 341].

Physarum pyriforme Schumach., Enum. Pl. 2: 204 (1803)

Cited by Rostafiński, Sluzowce Monogr.: 244 (1875), as a synonym of *Trichia fallax* Pers. Berlese in Saccardo, Syll. Fung. 7: 439 (1888), spells epithet *piriforme* [M. & A., 1969: 419].

“*Physarum ramentaceum* Fr. in litt. an Wein. (1836)”

Cited by Rostafiński, Sluzowce Monogr.: 101 (1874), as a synonym of *Ph. leucopus* Link. Reference is to Weinmann, Fl. Ross. (1836), but it is uncertain whether Fries’s name was validly published in that work [M. & A., 1969: 342].

Physarum rubiginosum Berk., Engl. Fl. 5(2): 315 (1836)

Cited by Rostafiński, Sluzowce Monogr. Suppl.: 4 (1876), as a synonym of *Badhamia dictyospora* Rostaf., with “non Chevall.” specifically added. If proposed by Berkeley as new, the name had already been preempted by both Chevallier and Fries [M. & A., 1969: 342].

Physarum salicinum Schumach., Enum. Pl. 2: 200 (1803)

Cited by Rostafiński, Sluzowce Monogr.: 204 (1874), as synonym of *Lamproderma columbinum* (Pers.) Rostaf.; “p.p.” in index. Doubtful; see G. Lister, Monogr. Mycetozoa, ed. 3: 155 (1925) [M. & A., 1969: 342].

“*Physarum schumacheri* Rostaf.” ex Massee, Monogr. Myxogastr.: 275 (1892)

Rostafiński, Sluzowce Monogr.: 98 (1874), cited Sprengel as author [M. & A., 1969: 342].

Physarum schumacheri var. *genuinum* Rostaf., Sluzowce Monogr.: 99 (1874)

Nom. inval., see ICBN, art. 24.3.

“*Physarum sinuosum* Wallr.” ex Rostaf., Sluzowce Monogr.: 102 (1874)

Cited as synonym of *Ph. cinereum* (Batsch) Pers. Wallroth, Fl. Crypt. Germ. 349 (1833), cited Fries as author [M. & A., 1969: 342].

Physarum solutum Schumach., Enum. Pl. 2: 204 (1803)

Basionym of *Tilmadoche soluta* (Schumach.) Fr., Summa Veg. Scand.: 454 (1849). Both doubtful synonyms of *Ph. nutans* Pers. [M. & A., 1969: 342].

Physarum sphaeroidale (Bull.) Chevall., Fl. Gén. Env. Paris 1: 339 (1826)

Based on *Reticularia sphaeroidalis* Bull, see comments under this species.

- Physarum sphaeroides* Chevall., Fl. Gén. Env. Paris 1: 339 (1826)
Cited by Fries, Syst. Mycol. 3: 106 (1829), as a synonym of *Diderma globosum* Pers., with reference to *Reticularia sphaeroidalis* Bull., Hist. Champ. France: 94, pl. 446 fig. 3 (1791), which suggests that this and the preceding entry refer to the same original. Both must be regarded as doubtful [M. & A., 1969: 342].
- Physarum spumarioides* T. N. Lakh. & K. G. Mukerji, Indian Phytopathol. ? (1979)
Cited by Lakhpal & Mukerji, Biblioth. Mycol. 78: 228 (1981), as “in press”, but no publication has been found.
- “*Physarum stipatum* Morgan”
Several of Morgans’s collection in the Iowa herbarium, dated from 1893 to 1897, are labelled in his hand “*Physarum stipatum* Morgan”. Despite the range of years during which Morgan used the name, we find no record of its publication [M. & A., 1969: 300].
- Physarum stipitatum* (Bull.) Chevall., Fl. Gén. Env. Paris 1: 339 (1826)
Based on *Reticularia stipitata* Bull., see comments under this species.
- Physarum striatum* Fr., Syst. Mycol. 3: 131 (1829)
Described with three varieties, citing several older names. According to Rostafinski, Sluzowce Monogr.: 130 (1874), one of these is *Ph. viride* (Bull.) Pers. In the index, p. 385, he cites “*Ph. striatum* Fockel” as a synonym of *Ph. leucophaeum* Fr., but Fockel named Fries as the author. Massee, Monogr. Myxogastr.: 243 (1892), cites it as a synonym of *Didymium elegantissimum* Massee, but on a completely inadequate basis. At least two and probably more species are included. Only examination of type material can determine application [M. & A., 1969: 342].
- “*Physarum subglobosum* Berk. & M. A. Curtis” ex Berl. in Saccardo, Syll. Fung. 7: 352 (1888)
Clearly based on an error, as pointed out by Massee, Monogr. Myxogastr.: 300 (1892). The reference is to *Ph. chrysotrichum* Berk. & M. A. Curtis, Grevillea 2: 66 (1873) [M. & A., 1969: 342].
- Physarum subtile* Pers., Syn. Meth. Fung.: 171 (1801)
Cited by Rostafinski, Sluzowce Monogr.: 127 (1874), as a synonym of *Tilmadoche nutans* (Pers.) Rostaf. [M. & A., 1969: 342].
- “*Physarum subulatum* Sacc., Myc. Ven. spec.” ex Berl. in Saccardo, Syll. Fung. 7: 357 (1888)
Cited as a synonym of *Craterium leucocephalum* (Pers. ex J. F. Gmel.) Ditmar. Probably not validly published [M. & A., 1969: 342].
- Physarum subulatum* Schumach., Enum. Pl. 2: 354 (1803)
Recognized by Fries, Syst. Mycol. 3: 133 (1829). Rostafinski, Sluzowce Monogr.: 129 (1874), cites it as a synonym of *Tilmadoche gracilentia* (Fr.) Rostaf.; “p.p.” in index [M. & A., 1969: 342].
- Physarum sulcatum* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamten Naturk. 3: 27 (1809)
Cited by Rostafinski, Sluzowce Monogr.: 127 (1874), as a synonym of *Tilmadoche nutans* (Pers.) Rostaf.; “p.p.” in index. G. Lister, Monogr. Mycetozoa, ed. 3: 47 (1925), makes it a doubtful synonym of *Ph. nutans* Pers. [M. & A., 1969: 342].
- “*Physarum sulphureum* Sturgis” ex G. Lister, Monogr. Mycetozoa, ed. 2: 60 (1911)
Cited as a synonym of *Ph. auriscalpium* Cooke. Sturgis, Bot. Gaz. (London) 18: 187 (1893), assigned the authorship to Albertini and Schweinitz. [M. & A., 1969: 342].
- “*Physarum sulphureum* var. *atomum* Klotzsch”
Cited by Berlese in Saccardo, Syll. Fung. 7: 357 (1888), as a synonym of *Craterium aureum* (Schumach.) Rostaf.
- “*Physarum thejoteum* Morgan”
This name was never validly published [M. & A., 1969: 300].
- Physarum variabile* var. *sessile* Lister, J. Bot. 36: 114 (1898)
On the identity of this name see Farr, Fl. Neotrop., 16: 174 (1976).
- “*Physarum verrucosum* Link in herb.” ex Rostaf., Sluzowce Monogr.: 99 (1874)
Cited as synonym of *Ph. schumacheri* Spreng.; “p.p.” in index. Not validly published [M. & A., 1969: 343].
- Physarum villosum* Schumach., Enum. Pl. 2: 199 (1803)
Uncertain, Rostafinski, Sluzowce Monogr.: 385 (1875) [M. & A., 1969: 343].
- “*Physarum virescens* Fockel”, Jahrb. Nassauischen Vereins Naturk. 23-24: 343 (1870) [1869]
Cited by Rostafinski, Sluzowce Monogr.: 101 (1874), as a synonym of *Ph. sulphureum* Alb. & Schwein. Fockel cited Ditmar as author [M. & A., 1969: 419].
- “*Physarum weinmannii* Fr. var. in litt.” ex Berl. in Saccardo, Syll. Fung. 7: 344 (1888)
Cited as synonym of *Ph. cinereum* (Batsch) Pers. Probably an error for *Didymium weinmannii* Fr. In any event, not validly published [M. & A., 1969: 343].
- “*Physarum xanthopus* Wallr. in sched.” ex Rostaf., Sluzowce Monogr.: 123 (1874)
Not validly published. Mentioned in connection with *Craterium xanthopus* Wallr., now equated with *C. leucocephalum* (Pers. ex J. F. Gmel.) Ditmar. Non *Ph. xanthopus* (Ditmar) Schwein., 1832 [M. & A., 1969: 343].
- Pittocarpium flavum* Link, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamten Naturk. 7: 41 (1815)
An aethalioid growth, possibly not a myxomycete. Both Nees, Syst. Pilze (1816), and Fries, Syst. Mycol. (1829), regarded the genus and species as doubtful [M. & A., 1969: 419].
- Reticularia affinis* Berk. & M. A. Curtis, J. Linn. Soc., Bot. 10: 347 (1868)
Not a myxomycete. *Trichosporium curtisii* Massee, J. Mycrosoc. 5: 185 (1889) (Dematiaceae) [M. & A., 1969: 70].
- Reticularia angulata* Pers. in Gmelin, Syst. Nat. 2: 1472 (1792)
Cited by S. F. Gray, Nat. Arr. Brit. Pl. 1: 571 (1821), as synonym of *Didymium difforme* (Pers.) Gray and repeated by later authors. Identity doubtful [M. & A., 1969: 384].
- Reticularia apiospora* Berk. & Broome, J. Linn. Soc., Bot. 14: 82 (1873)
Not a myxomycete. *Trichosporium apiosporum* (Berk. & Broome) Massee, J. Mycrosoc. 5: 186 (1889) (Dematiaceae) [M. & A., 1969: 70].
- Reticularia argentea* (Pers.) Poir. in Lamarck, Encycl. 6: 183 (1804)
Based on *Lycogala argentea* Pers., see comment under this species.

- Reticularia atrorufa* Berk. & M. A. Curtis, J. Linn. Soc., Bot. 10: 347 (1868)
Not a myxomycete. *Trichosporium curtisii* Massee, J. Mycrosoc. 5: 185 (1889) (Dematiaceae) [M. & A., 1969: 70]. Farr, Fl. Neotrop., 16: 41 (1976), comments: Type C. Wright 534 (FH) Type.
- Reticularia carnosa* Bull., Herb. France, pl. 424 fig. 1 (1789)
Not a myxomycete. Fries in Summa Veg. Scand.: 449 (1848), suggests *Ptychogaster* [M. & A., 1969: 71].
- Reticularia chrysosperma* Bull., Hist. Champ. France, pl. 476 fig. 4 (1791)
Previously published by the same author in Herb. France, pl. 476 fig. 4 (1790), but the illustration does not suggest a myxomycete.
- Reticularia epixylon* Bull., Herb. France, pl. 472 fig. 1 (1790)
Not a myxomycete. See Saccardo, Syll. Fung. 7: 468 (1888), and Lister, Monogr. Mycetozaa, ed. 3: 261 (1925) [M. & A., 1969: 71].
- Reticularia fuliginosa* Berk. & Broome, J. Linn. Soc., Bot. 14: 82 (1873)
“Apparently a fungus.”, see Lister, Monogr. Mycetozaa, ed. 3: 261 (1925) [M. & A., 1969: 71].
- “*Reticularia granulosa* Oerst. msc.” ex Berl. in Saccardo, Syll. Fung. 7: 408 (1888)
Cited in synonymy of *Lindbladia effusa* (Ehrenb.) Rostaf. Not validly published [M. & A., 1969: 71].
- “*Reticularia hemisphaerica* Sowerby”, Col. Fig. Engl. Fung., pl. 12 (1797)
Cited by Saccardo, Syll. Fung. 7: 367 (1888) as synonym of *Chondrioderma michelii* (Lib.) Rostaf. Sowerby made a clear reference to Bulliard as author of the species.
- “*Reticularia lenticularis* Mont. in herb.” ex Rostaf., Sluzowce Monogr.: 225 (1875)
Cited in synonymy of *Clathroptychium rugulosum* (Wallr.) Rostaf. Not validly published [M. & A., 1969: 71].
- “*Reticularia maxima* Corda”, Icon. Fung. 6: 14, pl. 2 fig. 35 (1854)
Cited by Rostaf.ński, Sluzowce Monogr.: 224 (1875), as synonym of *Lindbladia effusa* (Ehrenb.) Rostaf., and copied in literature. Corda cited *R. maxima* Fr., hence this name is invalid. Probably not *Brefeldia maxima* (Fr.) Rostaf. and surely not *Lindbladia*. Possibly *Reticularia lycoperdon* Bull. [M. & A., 1969: 71, 419].
- Reticularia multicapsula* Sowerby, Col. Fig. Engl. Fung., pl. 179 (1798)
The description is vague and the figure indeterminate, but it could represent *Tubifera ferruginosa* (Batsch) J. F. Gmel., as cited by Berlese in Saccardo, Syll. Fung. 7: 407 (1888) [M. & A., 1969: 71].
- Reticularia nigra* Bull., Herb. France, pl. 380 fig. 2 (1788)
Not a myxomycete [M. & A., 1969: 71].
- Reticularia nitens* Morgan, J. Cincinnati Soc. Nat. Hist. 18: 40 (1895)
G. Lister, Monogr. Mycetozaa, ed. 3: (1925), suggests that this may be either *Stemonitis confluens* Cooke & Ellis (p. 136), which seems doubtful, or *Amaurochaete cribrosa* (Fr.) T. Macbr. (p. 165), which is perhaps less doubtful. Morgan’s specimen is not in the IA collection [M. & A., 1969: 71].
- Reticularia polyporiformis* Berk., J. Linn. Soc., Bot. 14: 352 (1874)
See Lister, Monogr. Mycetozaa, ed. 3: 261 (1925), “a fungus.” [M. & A., 1969: 71].
- Reticularia pyrhrhospora* Berk., J. Linn. Soc., Bot. 10: 347 (1868)
Not a myxomycete. *Trichosporium pyrhrhosprium* (Berk.) Massee, J. Mycrosoc. 5: 185 (1889) (Dematiaceae) [M. & A., 1969: 71].
- Reticularia ramosa* J. F. Gmel., Syst. Nat. 2: 1471 (1792)
Not a myxomycete. See Lister, Monogr. Mycetozaa, ed. 3: 261 (1925) [M. & A., 1969: 71].
- “*Reticularia rosea* Poir.” in Lamarck, Encycl. 8, no. 21 (1808)
Cited by Berlese in Saccardo, Syll. Fung. 7: 436 (1888), as a synonym of *Lycogala epidendrum* (L.) Fr. Possibly based on *Reticularia rosea* DC., “Bull. Philomat. n. 14. floréal an 6 fig. 8 A. B. C.”, as cited in Lamarck & de Candolle, Fl. Franç., ed. 3, 2: 259 (1805). The description suggests a *Lycogala* [M. & A., 1969: 71].
- Reticularia segetum* Bull., Herb. France, pl. 472 fig. 2 (1790)
Not a myxomycete. A smut [M. & A., 1969: 71].
- Reticularia sphaeroidalis* Bull., Herb. France, pl. 446 fig. 2 (1790)
May be *Diderma spumarioides* (Fr.) Fr. [M. & A., 1969: 369].
- “*Reticularia sphaeroides* J. F. Gmel.”, Sluzowce Monogr.: 387 (1875)
Probably an error for *R. sphaeroidalis* Bull. emend. J. F. Gmel., Syst. Nat.: 1472 (1792) [M. & A., 1969: 419].
- Reticularia stipitata* Bull., Herb. France, pl. 380 fig. 3 (1788)
Cited by Berlese in Saccardo, Syll. Fung. 7: 374 (1888), as the basionym of *Diderma stipitatum* (Bull.) Fr., Syst. Mycol. 3: 104 (1829), not listed in recent works. Bulliard’s figure certainly suggests a myxomycete, possibly a *Badhamia* [M. & A., 1969: 71].
- Reticularia testacea* Wallr., Fl. Crypt. Germ. 2: 340 (1833)
Cited by Berlese in Saccardo, Syll. Fung. 7: 436 (1888), as synonym of *Lycogala flavofuscum* (Ehrenb.) Rostaf. Lister, Monogr. Mycetozaa, ed. 3: 198 (1925), “doubtful” [M. & A., 1969: 71].
- Reticularia unguina* (Schumach.) Fr., Syst. Mycol. 3: 89 (1829)
Based on *Lycoperdon unguinum* Schumach. Cited by Berlese in Saccardo, Syll. Fung. 7: 410 (1888), as a synonym of *Enteridium olivaceum* Ehrenb. Doubtful. See Fl. Dan. 11 (33): 14, pl. 1977 fig. 2. (1829) [M. & A., 1969: 71].
- Reticularia venulosa* Berk. & M. A. Curtis, J. Linn. Soc., Bot. 10: 347 (1868)
Not a myxomycete. *Trichosporium curtisii* Massee, J. Mycrosoc. 5: 185 (1889) (Dematiaceae). “*R. venosa*” Sacc., Syll. Fung. 7: 419 (1888), is an error [M. & A., 1969: 71].
- Reticularia versicolor* Fr., Syst. Orb. Veg.: 147 (1825)
Fuller description in Syst. Mycol. 3: 90 (1829), with no reference to earlier publication. *Lindbladia versicolor* (Fr.) Rostaf. in Fuckel, Jahrb. Nassauischen Vereins Naturk 27-28: 68 (1873), is based on this and *Licea glomerulifera* de Bary. & Rostaf., and *L. olivacea* Fuckel, 1873 are cited as synonyms. Both have been referred to *Reticularia olivacea* (Ehrenb.) Fr. and this may be correct [M. & A., 1969: 71-72].

- Rostafinskia* Speg., Anales Soc. Ci. Argent. 10: 151 (1880)
Probably a hyphomycete, see Farr, Fl. Neotrop., 16: 281 (1976).
- Rostafinskia australis* Speg., Anales Soc. Ci. Argent. 10: 151 (1880)
Also spelled "*Rostafinskia*". Farr, Fl. Neotrop., 16: 281 (1976), comments that the type specimen (LPS 31466) is a hyphomycete.
- Schenella* T. Macbr., Mycologia 3(1): 39 (1911)
The author agree with Rammeloo, Icones Mycologicae 93-110, pl. 110 (1985), it is not a myxomycete, probably a gasteromycete.
- Schenella microspora* G. W. Martin, Mycologia 53(1): 28 (1962)
See comments on the genus *Schenella*.
- Schenella simplex* T. Macbr., Mycologia 3(1): 39 (1911)
See comments on the genus *Schenella*.
- Sphaerocarpa operculata* Schumach., Enum. Pl. 2: 220 (1803)
Schumacher says "an *Sph. turbinatus* Bull. 484, fig. 1?" q.v. [M. & A., 1969: 419].
- Sphaerocarpus antiades* Bull., Hist. Champ. France: 127 (1791)
Previously published by the same author in Herb. France, pl. 368 fig. 2 (1788), but the genus is not described, and the art. 42.1 of ICBN (descriptio generico-specifica) is not applicable. See comments under *Physarum antiades* (Bull.) Fr.
- Sphaerocarpus coccineus* Bull., Hist. Champ. France: 126 (1791)
Previously published by the same author in Herb. France, pl. 368 fig. 1 (1788), but the genus is not described, and the art. 42.1 of ICBN (descriptio generico-specifica) is not applicable. See comments under *Stemonitis coccinea* (Bull.) J. F. Gmel.
- Sphaerocarpus ficoides* Bull., Hist. Champ. France: 130 (1791)
Previously published by the same author in Herb. France, pl. 417 fig. 3 (1789), but the genus is not described, and the art. 42.1 of ICBN (descriptio generico-specifica) is not applicable. Species not recognizable.
- Sphaerocarpus piriformis* Bull., Hist. Champ. France: 129 (1791)
Previously published by the same author in Herb. France, pl. 417 fig. 2 (1789), but the genus is not described, and the art. 42.1 of ICBN (descriptio generico-specifica) is not applicable. See comments under *Stemonitis pyriformis* (Bull.) J. F. Gmel.
- Sphaerocarpus semitrichioides* Bull., Hist. Champ. France: 125 (1791) ["semitrichiodes"].
Previously published by the same author in Herb. France, pl. 387 fig. 1 (1789), but the genus is not described, and the art. 42.1 of ICBN (descriptio generico-specifica) is not applicable. Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 173 (1925), as possible synonym of *Cribraria vulgaris* Schrad.
- Sphaerocarpus trichioides* Bull., Hist. Champ. France: 124 (1791) ["trichiodes"].
Previously published by the same author in Herb. France, pl. 387 fig. 2 (1789), but the genus is not described, and the art. 42.1 of ICBN (descriptio generico-specifica) is not applicable. Persoon, Syn. Meth. Fung. (1801), cited it as possible synonym of *Cribraria coccinea* Pers. Probably a *Cribraria* but not otherwise recognizable.
- Sphaerocarpus turbinatus* Bull., Hist. Champ. France: 132 (1791)
Previously published by the same author in Herb. France, pl. 484 fig. 1 (1791), but the genus is not described, and the art. 42.1 of ICBN (descriptio generico-specifica) is not applicable. Quite possibly *Craterium minutum* (Leers) Fr., as suggested by G. Lister, Monogr. Mycetozoa, ed. 3: 75 (1925) [M. & A., 1969: 419].
- "*Spumaria alba* Bull."
Morgan, J. Cincinnati Soc. Nat. Hist. 16: 149 (1894) cited the name, probably an error for *Spumaria alba* (Bull.) DC. [M. & A., 1969: 376].
- Spumaria alba* Schumach., Enum. Pl. 2: 195 (1803)
Non *S. alba* (Bull.) DC, 1805. Cited by Rostafinski, Sluzowce Monogr.: 175 (1874), as a synonym of *Chondrioderma spumarioides* (Fr.) Rostaf. [M. & A., 1969: 419].
- Spumaria granulata* Schumach., Enum. Pl. 2: 196 (1803)
G. Lister, Monogr. Mycetozoa, ed. 3 (1925), cites a number of names which may or may not be synonyms of either *Physarum conglomeratum* (Fr.) Rostaf. or *Ph. contextum* (Pers.) Pers. Unless type or authentic material can be examined, they cannot be determined from the descriptions [M. & A., 1969: 295].
- Spumaria micheneri* Berk., Grevillea 2: 52 (1873)
Identity uncertain. Berlese in Saccardo, Syll. Fung. 7: 389 (1888) [M. & A., 1969: 419].
- Spumaria minuta* Schumach., Enum. Pl. 2: 196 (1803)
Lister, Monogr. Mycetozoa, ed. 3 (1925) cites a number of names which may or may not be synonyms of either *Physarum conglomeratum* (Fr.) Rostaf. or *Ph. contextum* (Pers.) Pers. Unless type or authentic material can be examined, they cannot be determined from the descriptions [M. & A., 1969: 295].
- "*Spumaria physaroides* DC."
Fries, Syst. Mycol. 3: 124 (1829) cites "*Spumaria physaroides* Dec. Fr. 2. p. 101. fide *accuratae descriptionis*" as a synonym of *Didymium crustaceum* Fr. The reference is evidently to de Candolle, in Lamarck & de Candolle, Fl. Franç., ed. 3, 5: 101 (1815), but de Candolle cites *Spumaria physaroides* Pers, Syn. Meth. Fung.: 163 (1801), and the description there given would seem to apply better to *Mucilago crustacea* F. H. Wigg., than to what is now called *Didymium crustaceum*. This raises a question about the validity of applying Fries's name [M. & A., 1969: 382].
- Spumaria physaroides* Pers., Syn. Meth. Fung.: 163 (1801)
Cited by Martin & Alexopoulos, Myxomycetes: 391 (1969), as a synonym of *Didymium melanospermum* (Pers.) T. Macbr., but in p. 369 say that may be *Diderma spumarioides* (Fr.) Fr.
- Stegasma pallidum* Ces., Atti Accad. Sci. Fis. 8(3): 12 (1879)
See comments under *Perichaena pallida* (Ces.) Berl.

- Stemonitis alba* Schrank, Baier. Fl. 2: 635 (1789) ["Stemionitis"]
Neither description nor comments permit identification.
Certainly non *S. alba* (Bull.) J. F. Gmel., 1792 [M. & A., 1969: 202].
- Stemonitis antiades* (Bull.) J. F. Gmel., Syst. Nat. 2: 1469 (1792)
Based on *Sphaerocarpus antiades* Bull., Hist. Champ. France: 127, pl. 368 fig. 2 (1791). Certainly not a *Stemonitis* in current sense. A *Physarum*? [M. & A., 1969: 420].
- "*Stemonitis bicolor* Fr. in herb."
Cited by Berlese in Saccardo, Syll. Fung. 7: 395 (1888), as a synonym of *Comatricha typhina* (F. H. Wigg.) Rostaf., see comments under *Stemonitis typhina* Roth.
- Stemonitis bombacina* (Batsch) J. F. Gmel., Syst. Nat. 2: 1470 (1792)
Based on *Lycoperdon bombacinum* Batsch. See comments under this species [M. & A., 1969: 420].
- "*Stemonitis botrytis* Pers."
Cited by Mussat in Saccardo, Syll. Fung. 15: 400 (1901), as a synonym of *Alwisia bombarida* Berk. & Broome.
- Stemonitis carnea* Schrank, Baier. Fl. 2: 634 (1789) ["Stemionitis"]
Probably a mold, see G. Lister, Monogr. Mycetoza, ed. 3: 261 (1925) [M. & A., 1969: 202].
- Stemonitis carnea* Trentep., Catal. Bot. 1: 222 (1797)
Cited by Rostafiński, Sluzowce Monogr.: 275 (1875), as a synonym of *Arcyria incarnata* (Pers. ex J. F. Gmel.) Pers. "p.p." in index. Doubtful, see G. Lister, Monogr. Mycetoza, ed. 3: 237 (1925) [M. & A., 1969: 420].
- "*Stemonitis chalybea* Pers. in litt."
Cited by Berlese in Saccardo, Syll. Fung. 7: 393 (1888), as a synonym of *Lamproderma arcyrioides* (Sommerf.) Rostaf.
- Stemonitis coccinea* (Bull.) J. F. Gmel., Syst. Nat. 2: 1468 (1792)
Based on *Sphaerocarpus coccineus* Bull., Hist. Champ. France: 126 (1791), and Herb. France, pl. 368 fig. 1 (1787). Cited by G. Lister, Monogr. Mycetoza, ed. 3: 230 (1925), as a possible synonym of *Arcyria incarnata* (Pers. ex J. F. Gmel.) Pers. Certainly not a *Stemonitis* in current usage [M. & A., 1969: 202]. Nom. illeg., non *S. coccinea* Roth, 1788.
- Stemonitis confluens* var. "minuta?" Batista, Bol. Secr. Agric. (Recife) 16(3/4): 166-167 (1949)
Nomen nudum, not accompanied by a Latin diagnosis [Farr, Fl. Neotrop., 16: 279 (1976)].
- Stemonitis curitibensis* Hertel, Dusenía 6: 47 (1955)
Said to be close to *S. splendens* Rostaf. The differences from that species, enumerated by Hertel, seem minor and not worthy of specific distinction [M. & A., 1969: 202].
- Stemonitis cyathiformis* Schrank, Bot. Mag. (Römer & Usteri) 4(12): 19 (1790)
Cited by G. Lister, Monogr. Mycetoza, ed. 3: 78 (1925), as a possible synonym of *Craterium leucocephalum* (Pers. ex J. F. Gmel.) Ditmar [M. & A., 1969: 202].
- Stemonitis decipiens* Nees., Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 16: 95 (1820)
Cited by G. Lister, Monogr. Mycetoza, ed. 3: 137 (1925), as a possible synonym of *S. herbatoca* Peck [M. & A., 1969: 202].
- Stemonitis elegantula* P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh 9: 354 (1868)
Probably a *Lamproderma*.
- Stemonitis fascicularis* Eaton, Man. Bot., ed. 3: 480 (1822)
Attributed to Persoon in preface. Probably an error for *S. fasciculata* Pers. [M. & A., 1969: 202].
- "*Stemonitis fasciculata* DC.", in Lamarck & de Candolle, Fl. Franç., ed. 3, 2: 256 (1805)
Cited by Rostafiński, Sluzowce Monogr.: 196 (1874), as a synonym of *S. ferruginea* Ehrenb., and copied by later authors; de Candolle named Persoon as author [M. & A., 1969: 420].
- "*Stemonitis ferruginea* Fr.", Syst. Mycol. 3: 158 (1829)
Cited by G. Lister, Monogr. Mycetoza, ed. 3: 138 (1825), as a synonym in part, of *S. flavogenita* E. Jahn, Fries named Ehrenberg as author [M. & A., 1969: 420].
- Stemonitis filicina* Schrank, Baier. Fl. 2: 634 (1789) ["Stemionitis"]
Cited by Berlese in Saccardo, Syll. Fung. 7: 395 (1888), as a synonym of *Comatricha typhina* (F. H. Wigg.) Rostaf. Based on *S. petiolata gregaria* Gled., Meth. Fung., pl. 4 (1753), redrawn from Micheli, pl. 94. Could include several species [M. & A., 1969: 202].
- Stemonitis flavescens* Schrank, Bot. Mag. (Römer & Usteri) 4(12): 20 (1790)
Cited by Rostafiński, Sluzowce Monogr.: 244 (1875), as a synonym of *Trichia fallax* Pers., "p.p." in index [M. & A., 1969: 420].
- Stemonitis fluminensis* Speg., Anales Soc. Ci. Argent. 12: 255 (1881)
Both the type and an authentic collection (LPS 31. 486) contain only stipes, but judged from the sketches, this myxomycete was most certainly a species of *Comatricha* [M. & A., 1969: 203].
- Stemonitis fulva* J. F. Gmel., Syst. Nat. 2: 1468 (1792)
"Doubtful." See G. Lister, Monogr. Mycetoza, ed. 3: 261 (1925) [M. & A., 1969: 203].
- Stemonitis fulvipes* Fr., Fungi Natal.: 33 (1848)
Cited by Berlese in Saccardo, Syll. Fung. 7: 345 (1888), as a synonym of *Physarum flavicomum* Berk. [M. & A., 1969: 203].
- Stemonitis furfuracea* J. F. Gmel., Syst. Nat. 2: 1468 (1792)
"Doubtful." See G. Lister, Monogr. Mycetoza, ed. 3: 261 (1925) [M. & A., 1969: 203].
- Stemonitis fusca* var. *flaccida* (Lister) Torrend, Brotéria, Sér. Bot. 7: 81 (1908)
Doubtful, probably based on *S. splendens* var. *flaccida* Lister, but this species was considered as independent under the name *Comatricha flaccida* (Lister) Morgan, *Symphytocarpus flaccidus* (Lister) Ing & Nann.-Bremek. of the present treatment.
- Stemonitis fusca* var. *genuina* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 47 (1893)
Nom. inval., see ICBN, art. 24.3.
- Stemonitis globosa* Schumach., Enum. Pl. 2: 217 (1803)
Cited by G. Lister, Monogr. Mycetoza, ed. 3: 141 (1925), as a possible synonym of *Comatricha nigra* (Pers. ex J. F. Gmel.) J. Schröt. [M. & A., 1969: 203]. Nom. illeg., non *S. globosa* Trentep., 1797
- Stemonitis globosa* Trentep. in Roth, Catal. Bot. 1: 222 (1797)
Cited by G. Lister, Monogr. Mycetoza, ed. 3: 237 (1925), as a doubtful synonym of *Arcyria incarnata* (Pers. ex J. F. Gmel.) Pers. [M. & A., 1969: 203].

Stemonitis globularis J. F. Gmel., Syst. Nat. 2: 1470 (1792)

Based on *Sphaerocarpus sessilis* Bull., Hist. Champ. France: 132, pl. 417 fig. 5 (1791). Suggests a *Perichaena* [M. & A., 1969: 203].

Stemonitis graniformis (Hoffm.) J. F. Gmel., Syst. Nat. 2: 1468 (1792)

Based on *Trichia graniformis* Hoffm., Veg. Crypt. 2: 3, pl. 1 fig. 2 (1790). "Doubtful", see G. Lister, Monogr. Mycetozoa, ed. 3: 261 (1925) [M. & A., 1969: 203].

Stemonitis heterospora Oudem., Nederl. Kruidk. Arch. 1(3): 253 (1873)

Cited by Berlese in Saccardo, Syll. Fung. 7: 398 (1888), as synonym of *S. ferruginea* Ehrenb. [M. & A., 1969: 203].

Stemonitis irregularis (Rex) Hertel, Dusenja 7: 346 (1956)

Nom. inval., see ICBN, art. 33.3, basionym reference omitted.

Stemonitis lilacina Schrank, Baier. Fl. 2: 635 (1789) ["Stemionitis"]

Cited by Berlese in Saccardo, Syll. Fung. 7: 428 (1888), as synonym of *Arcyria adnata* (Batsch) Rostaf. G. Lister, Monogr. Mycetozoa, ed. 3: 261 (1925), writes "doubtful." [M. & A., 1969: 203].

Stemonitis minor Golovenko, Mater. First Co-ord. Congr. Mycol. Central Asia and Kazakhstan 129 (1960)

Nom. inval., see ICBN, art. 36.1, without Latin description or diagnosis.

Stemonitis morthieri Fuckel, Jahrb. Nassauischen Vereins Naturk. 23-24: 339 (1870) [1869].

Cited as synonym of *Lamproderma arcyrionides* (Sommerf.) Rostaf. by Berlese in Saccardo, Syll. Fung. 7: 393 (1888); of *L. violaceum* var. *sauteri* (Rostaf.) Lister by G. Lister, Monogr. Mycetozoa, ed. 3: 157 (1925). Scarcely *L. sauteri* Rostaf. as here treated [M. & A., 1969: 203].

Stemonitis nigra Schumacher, Enum. Pl. 2: 217 (1803)

Probably not intended as new [M. & A., 1969: 420].

Stemonitis nivea (Hoffm.) J. F. Gmel., Syst. Nat. 2: 1467 (1792)

Gmelin cites *Trichia nivea* Hoffm., Veg. Crypt. 2: 14, pl. 4 fig. 1 (1790), which could be a pale *Arcyria* [M. & A., 1969: 203].

"*Stemonitis ochracea* Opiz in herb."

Cited by Berlese in Saccardo, Syll. Fung. 7: 427 (1888), as a synonym of *Arcyria pomiformis* (Leers) Rostaf.

Stemonitis olivacea (Bolton) J. F. Gmel., Syst. Nat. 2: 1468 (1792)

Based on *Clathrus olivaceus* Bolton, Hist. Fung. Halifax 3: 94, pl. 94 fig. II (1789). Possibly a *Didymium* [M. & A., 1969: 420].

"*Stemonitis ovulum* Scop.", Diss. Sci. Nat. 1, tab. 1 fig. 5 (1772)

Cited by Saccardo & Traverso in Saccardo, Syll. Fung. 20: 885, 1911 as "*species dubia*".

Stemonitis pyriformis auct.

See *S. pyriformis*. The specific epithet is copied both with i and y, for the various species included.

"*Stemonitis pumila* Corda", Icon. Fung. 5: 59, pl. 3 fig. 57 (1842)

Cited by Rostafinski, Sluzowce Monogr.: 198 (1874), as a synonym of *Comatricha typhina* (F. H. Wigg.) Rostaf., "p.p." in index, and copied by later authors. Neither the illustration nor the description justify this. Corda made no

such combination. He believed, with some reservation, he was dealing with *S. pumila* Fr. [M. & A., 1969: 203].

Stemonitis pumila Fr., Syst. Mycol. 3: 159 (1829)

Identity uncertain. Rostafinski, Sluzowce Monogr.: 392 (1875), says "p.p." *Stemonitis fusca* Roth. Doubtful [M. & A., 1969: 203].

Stemonitis pyriformis (Bull.) J. F. Gmel., Syst. Nat. 2: 1469 (1792)

Based on *Sphaerocarpus pyriformis* Bull., which is cited by Berlese in Saccardo, Syll. Fung. 7: 447 (1888), as a synonym of *Hemiarcyria clavata* (Pers.) Rostaf. The same combination was used earlier by Willdenow, Fl. Berol. Prodr. (1787) and by Roth, Tent. Fl. Germ. (1788), and all are sometimes spelled *pyriformis* by later authors. The name can legitimately be regarded as a cause of confusion [M. & A., 1969: 203].

"*Stemonitis pyriformis* Roth", Tent. Fl. Germ. 1: 548 ["448"]. (1788)

Listed by Rostafinski, Sluzowce Monogr.: 255 (1875), as a synonym of *Trichia chrysosperma* (Bull.) DC. Roth gives author as Willdenow [M. & A., 1969: 420].

Stemonitis pyriformis Willd., Fl. Berol. Prodr.: 409 (1787)

Cited by Rostafinski, Sluzowce Monogr.: 252 (1875), as a synonym of *Trichia varia* (Pers. ex J. F. Gmel.) Pers. [M. & A., 1969: 420].

Stemonitis recutita (L.) J. F. Gmel., Syst. Nat. 2: 1467 (1792)

Gmelin cites *Clathrus recutitus* L., Syst. Nat., ed. 12. 2: 724 (1767). Berlese in Saccardo, Syll. Fung. 7: 427 (1888), cites *S. recutita* "J. F. Gmel." as a synonym of *A. cinerea* (Bull.) Pers. [M. & A., 1969: 203].

Stemonitis reticulata Trentep., Catal. Bot. 1: 233 (1797)

Cited by Rostafinski, Sluzowce Monogr.: 199 (1874), as a doubtful synonym of *Comatricha friesiana* (de Bary) Rostaf. [M. & A., 1969: 420].

Stemonitis semitrichioides J. F. Gmel., Syst. Nat. 2: 1468 (1792)

Apparently based on *Sphaerocarpus semitrichioides* Bull., Hist. Champ. France: 125 (1791) and Herb. France, pl. 387 fig. II (1789), although Gmelin cites p. 124, and pl. 387 fig. I, which appears to be *Dictydium cancellatum* (Batsch) T. Macbr. Under his following species, *S. cancellata* (Batsch) J. F. Gmel., Gmelin reverses the references. *S. semitrichioides* is thus possibly a *Trichia* [M. & A., 1969: 420].

Stemonitis sophia Golovenko, Mater. First Co-ord. Congr. Mycol. Central Asia and Kazakhstan 129 (1960)

Nom. inval., see ICBN, art. 36.1, without Latin description or diagnosis.

Stemonitis sphaerocarpha Schrank, Bot. Mag. (Römer & Usteri) 4(12): 20 (1790)

Cited by Berlese in Saccardo, Syll. Fung. 7: 416 (1888), as a synonym of *Cribraria argillacea* (Pers. ex J. F. Gmelin) Pers. [M. & A., 1969: 203].

Stemonitis subclavata Zoll., Natuur-Geneesk. Arch. Ned.-Indië 1: 377 (1844)

Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 139 (1925), as a possible synonym of *S. smithii* T. Macbr. [M. & A., 1969: 203].

Stemonitis sulphurea J. F. Gmel., Syst. Nat. 2: 1470 (1792)

Gmelin cites Wiggers No. 1153, which is *Arcyria pyriformis* F. H. Wigg., Prim. Fl. Holsat.: 110 (1780) [M. & A., 1969: 420].

- Stemonitis sulphurea* Roth, Tent. Fl. Germ. 1: 548 (1788)
A fungus, *Eurotium*, according to G. Lister, Monogr. Mycetozaa, ed. 3: 261 (1925) [M. & A., 1969: 204].
- Stemonitis travancorensis* Erady, Kew Bull. 1953: 570 (1953) ["Stemonites"]
The description suggests it is very close to *S. splendens* Rostaf. and possibly to be included in that species [M. & A., 1969: 204].
- Stemonitis trichia* Roth, Tent. Fl. Germ. 1: 549 (1788)
Cited by G. Lister, Monogr. Mycetozaa, ed. 3: 237 (1925), as a possible synonym of *Arcyria incarnata* (Pers. ex J. F. Gmel.) Pers. Very doubtful [M. & A., 1969: 204].
- Stemonitis turbinata* (Bull.) J. F. Gmel., Syst. Nat. 2: 1469 (1792)
Based on *Sphaerocarpus turbinatus* Bull., Hist. Champ. France: 130, pl. 417 fig. I (1791), which is probably *Craterium minutum* (Leers) Fr. [M. & A., 1969: 420].
- "*Stemonitis typhina* Roth", Tent. Fl. Germ. 1: 549 (1788)
Roth cites Wiggers, Prim. Fl. Holsat. (1780), and Willdenow, Fl. Berol. Prodr. (1787), as using this combination. Rostafiński, Sluzowce Monogr.: 198 (1874), cited Roth as the author when he proposed the combination *Comatricha typhina* ("(Roth) Rostaf.", and this has been used extensively. Willdenow also cited Wiggers in spite of which Berlese in Saccardo, Syll. Fung. 7: 398 (1888), cited *S. typhina* "Willd." as a synonym of *S. ferruginea* Ehrenb. [M. & A., 1969: 204].
- Stemonitis vesiculosa* (Batsch) J. F. Gmel., Syst. Nat. 2: 1470 (1792)
Based on *Lycoperdon vesiculosum* Batsch, Elench. Fung. Continuatio Prima: 253 (1786). See comments under this species [M. & A., 1969: 204].
- Stemonitis violacea* Roth, Tent. Fl. Germ. 1: 548 (1788)
The brief description suggests something having the general aspect of *Diderma hemisphaericum* (Bull.) Hornem., but it certainly should not be regarded as a synonym of that species [M. & A., 1969: 204].
- Stemonitis violacea* Schumach., Enum. Pl. 2: 216 (1803)
Probably based on *Stemonitis violacea* Roth.
- Stemonitis vitellina* J. F. Gmel., Syst. Nat. 2: 1470 (1792)
Gmelin cites *Lycoperdon luteum* Jacq., Misc. Austrac.: 139, pl. 8 (1778), which is apparently a hypocreaceous fungus [M. & A., 1969: 420].
- "*Strongylium atrum* Link"
See *S. atrum* (Alb. & Schwein.) Sw. [M. & A., 1969: 420].
- Strongylium minus* Fr., Symb. Gasteromyc.: 9 (1817)
Cited by Rostafiński, Sluzowce Monogr.: 155 (1874), as synonym of *Didymium farinaceum* Schrad. Berlese in Saccardo, Syll. Fung. 7: 381 (1888), repeats citation, but writes "*S. minor* Fries." Application doubtful [M. & A., 1969: 402].
- Stylonites fulviceps* Fr., Fungi Natal.: 33 (1848)
Cited by Rostafiński, Sluzowce Monogr.: 106 (1874), as a synonym of *Physarum berkeleyi* Rostaf., "p.p." in index. See Fries, Summa Veg. Scand.: 456 (1849) [M. & A., 1969: 420].
- Tilmadoche anomala* Masee, Monogr. Myxogastr.: 333 (1892)
Cited by G. Lister, Monogr. Mycetozaa, ed. 2: 67 (1911), as a doubtful synonym of *Physarum nutans* Pers. [M. & A., 1969: 343].
- Tilmadoche cavipes* Berk., Grevillea 11: 39 (1882)
Uncertain; Berlese in Saccardo, Syll. Fung. 7: 362 (1888) [M. & A., 1969: 343].
- Tilmadoche minuta* (J. J. Kickx) Berl. in Saccardo, Syll. Fung. 7: 361 (1888)
Based on *Craterium minutum* J. J. Kickx. Non *C. minutum* (Leers) Fr., 1821. The synonymy given is that of *Physarella oblonga* (Berk. & M. A. Curtis) Morgan and the description might well apply to that species [M. & A., 1969: 343].
- Tilmadoche soluta* (Schumach.) Fr., Summa Veg. Scand.: 454 (1849)
Based on *Physarum solutum* Schumach., see comments under this species [M. & A., 1969: 343].
- Tipularia* Chevall., J. Phys. Chim. Hist. Nat. Arts 92: 58 (1822)
Nom. illeg., non *Tipularia* Nutt., 1818. Stated by the author to be close to *Licea*, but the description does not sound like a myxomycete. See Martin, Stud. Nat. Hist. Iowa Univ. 20: 30-31 (1966).
- Tipularia fulva* Chevall., J. Phys. Chim. Hist. Nat. Arts 92: 58 (1822)
Doubtful [M. & A., 1969: 414].
- Tremella typhina* Willd., Fl. Berol. Prodr.: 420 (1787)
Cited by Rostafiński, Sluzowce Monogr.: 184 (1874), as a synonym of *Stemonitis fusca* Roth [M. & A., 1969: 420].
- Trichamphora fuckeliana* var. *genuina* Rostaf., Sluzowce Monogr.: 138 (1874)
Nom. inval., see ICBN, art. 24.3.
- Trichamphora pezizoides* Berk., Intr. Crypt. Bot.: 335 (1857)
Cited by Rostafiński, Sluzowce Monogr. Suppl.: 16 (1876), "non Jungh.", as synonym of *Chondriodermma berkeleyanum* Rostaf., now included in *Physarum pezizoideum* (Jungh.) Pavill. & Lagarde [M. & A., 1969: 343].
- Trichia affinis* var. *genuina* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 33 (1893)
Nom. inval., see ICBN, art. 24.3.
- Trichia alata* Trentep., Catal. Bot. 1: 228 (1797)
Cited by Berlese in Saccardo, Syll. Fung. 7: 379 (1888), as a possible synonym of *Didymium macrospermum* Rostaf., now equated with *D. squamulosum* (Alb. & Schwein.) Fr. G. Lister, Monogr. Mycetozaa, ed. 3: 47 (1925), cites it as a doubtful synonym of *Physarum nutans* Pers. But *Ph. alatum* (Trentep.) Fr., Syst. Mycol. 3: 133 (1829), was based on this species and is cited by G. Lister, l. c. 118, as a possible synonym of *D. squamulosum*. The identity of *T. alata* Trentep. must, therefore, remain doubtful [M. & A., 1969: 165].
- Trichia alba* Purton, Bot. Descr. Brit. Pl. 3: No. 1113 (1821)
Cited by Rostafiński, Sluzowce Monogr.: 156 (1874), as synonym of *Didymium microcarpon* (Fr.) Rostaf., which is probably *D. nigripes* (Link) Fr. Possibly not validly published [M. & A., 1969: 165].

- "*Trichia alba* Sowerby", Col. Fig. Engl. Fung., pl. 259 (1800)
Not published. Sowerby calls his species *T. alba* With.
Neither his description nor his figure permit identification.
Surely not *Comatriza nigra* (Pers. ex J. F. Gmel.) J. Schröt.,
as suggested by later authors: more probably a *Didymium*
[M. & A., 1969: 165].
- Trichia alba* With., Arr. Brit. Pl., ed. 3, 4: 398 (1796)
This appears to be the earliest use of the binomial. Aside
from its use by Sowerby, we have found no reference to it
[M. & A., 1969: 165].
- Trichia angulata* Schwein., Trans. Amer. Philos. Soc. 4: 259
(1832)
Identity not known [M. & A., 1969: 166].
- Trichia anomala* P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh 9:
354 (1868)
See comments under *Cornuvia anomala* (P. Karst.) P. Karst.
- Trichia antiades* (Bull.) DC. in Lamarck & de Candolle, Fl.
Franç., ed. 3, 2: 252 (1805)
Based on *Sphaerocarpus antiades* Bull., Hist. Champ.
France: 127 (1791), and Herb. France, pl. 368 fig. 2 (1788),
see comments under *Physarum antiades* (Bull.) Fr. [M. &
A., 1969: 166].
- Trichia applanata* Hedw. in de Candolle, Organogr. Veg. 2: pl.
60 fig. 1 (1827)
Cited by Berlese in Saccardo, Syll. Fung. 7: 442 (1888), as a
synonym of *T. varia* (Pers. ex J. F. Gmel.) Pers. [M. & A.,
1969: 166].
- Trichia arcyrriaeformis* Schumach., Enum. Pl. 2: 206 (1803)
Doubtful. See G. Lister, Monogr. Mycetozoa, ed. 3: 261
(1925) [M. & A., 1969: 166].
- Trichia articulata* DC." ex Mérat, Fl. Paris, ed. 2, 1: 118 (1821)
Error for *T. reticulata* DC. [M. & A., 1969: 421].
- Trichia asiatica* Skvortsov, Philipp. J. Sci. 46: 90 (1931)
Teng & Teng, Sinensia 4: 80 (1933), suggest *T. erecta* Rex
[M. & A., 1969: 166].
- Trichia badia* Fr., Stirp. Agri Femsion.: 83 (1825)
Cited by Berlese in Saccardo, Syll. Fung. 7: 440 (1888), as
synonym of *T. fallax* Pers. Not cited by Fries, Syst. Mycol.
(1829) [M. & A., 1969: 166].
- "*Trichia carnea* Wallr. in litt."
Cited by Berlese in Saccardo, Syll. Fung. 7: 427, 1888 as a
synonym of *Arcyria cinerea* (Bull.) Pers.
- Trichia chrysosperma* ("Huds.") Speng., Anales Soc. Ci. Argent.
22(4): 187 (1886)
See comments of Farr, Fl. Neotrop., 16: 95 (1976) under *T.*
turbinata (Bolton) With.
- Trichia cinerea* Trentep., Catal. Bot. 1: 227 (1797)
Non *T. cinerea* Bull., 1791. Possibly not valid. Cited by
Berlese in Saccardo, Syll. Fung. 7: 357 (1888), as synonym
of *Craterium leucocephalum* (Pers. ex J. F. Gmel.) Ditmar
[M. & A., 1969: 166].
- Trichia cinnabarina* (Bull.) DC. in Lamarck & de Candolle, Fl.
Franç., ed. 3, 2: 255 (1805)
Based on *T. cinnabaris* Bull., Hist. Champ. France: 121, pl.
502 fig. 1 b, c (1791), but with Bulliard's epithet cited as
cinnabarina. *Trichia cinnabaris* Bull. and "*T. cinnabaris*
DC." are both cited by Rostafinski, Sluzowce Monogr.: 269
(1875), as synonyms of *Arcyria punicea* Pers., with the latter
wrongly cited, while *T. cinnabaris* Bull., Hist. Champ.
France: [121], pl. 502 fig. 1 d (1791), is cited by Rostafinski
on p. 275 as a synonym of *A. incarnata* (Pers. ex J. F. Gmel.)
Pers. All of Bulliard's eight figures on pl. 502, surely
represent *A. denudata* (L.) Wettst. [M. & A., 1969: 421].
- Trichia citrina* Schumach., Enum. Pl. 2: 209 (1803)
Both Berlese and Lister suggest *T. clavata* Pers. [M. & A.,
1969: 166].
- "*Trichia clavata* Wigand, Jahrb. Wiss. Bot. 3: 28 (1863)"
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 28 (1925), as
a possible synonym of *T. decipiens* (Pers.) T. Macbr., was
never validly published. Wigand cites Persoon [M. & A.,
1969: 159].
- Trichia coccinea* (Bull.) DC. in Lamarck & de Candolle, Fl.
Franç., ed. 3, 2: 255 (1805)
Based on *Sphaerocarpus coccineus* Bull. Doubtful. See
comments under *Stemonitis coccinea* (Bull.) J. F. Gmel. [M.
& A., 1969: 166, 421].
- Trichia coccinea* Hoffm., Veg. Crypt. 2: 10, pl. 3 (1790)
Identity doubtful. Possibly not a myxomycete [M. & A.,
1969: 421].
- Trichia coccinea* Poir. in Lamarck, Encycl. 8: 55 (1808)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 179 (1925), as
possible synonym of *Dictydium cancellatum* (Batsch) T.
Macbr. [M. & A., 1969: 166].
- Trichia coerulea* Trentep., Catal. Bot. 1: 229 (1797)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 12, 53 (1925),
as possible synonyms of *Badhamia utricularis* (Bull.) Berk.
and *Physarum cinereum* (Batsch) Pers. [M. & A., 1969:
292].
- Trichia contorta* G. H. Oth, Bern. Mitthel. 1868: 62 (1868)
Cited by Saccardo, Syll. Fung. 11: 471 (1895), probably a
priority name or combination over *T. contorta* (Ditmar)
Rostaf., 1875 [Reference not found].
- Trichia crassa* Schumach., Enum. Pl. 2: 208 (1803)
Doubtful. See G. Lister, Monogr. Mycetozoa, ed. 3: 261
(1925) [M. & A., 1969: 166].
- Trichia craterioides* Corda, Icon. Fung. 2: 21 (1838)
Non *T. craterioides* G. W. Martin, 1962. Cited by G. Lister,
Monogr. Mycetozoa, ed. 2: 212 (1911), as a definite
synonym of *T. varia* (Pers. ex J. F. Gmel.) Pers., possibly
because Corda's figure shows 2-3 spirals on the elaters. In
other respects it does not fit that species satisfactorily and its
identity must remain uncertain, pending examination of
Corda's material if it is still in existence [M. & A., 1969:
166].
- Trichia deformis* Yu Li & Q. Wang in Lado & Hernández (eds.),
II. Congr. Int. Sist. Ecol. Myxomycetes: 64 (1996)
Nom. inval., see ICBN, art. 36.1 and 37.1, without Latin
description or diagnosis and typus nor indicated.
- Trichia depressa* Trentep., Catal. Bot. 1: 231 (1797)
Cited by Fries, Syst. Mycol. 3: 119 (1829), as synonym of
Didymium farinaceum Schrad., citing p. 229 of Roth; by G.
Lister, Monogr. Mycetozoa, ed. 3 (1925), as page above.
Possibly a mistake for *T. compressa* Trentep. [M. & A.,
1969: 166].
- Trichia difformis* Schwein., Trans. Amer. Philos. Soc. 4: 259
(1832)
Not recognizable from description [M. & A., 1969: 166].

- Trichia erythropus* I. G. Borshch., Fungi Ingr. (1857)
Listed by Rostafinski, Sluzowce Monogr.: 265 (1875), without citation, as a synonym of *Hemiarcyria clavata* (Pers.) Rostaf. (p.p. in index) [M. & A., 1969: 166].
- Trichia expansa* Mart., K. Baier. Akad. Wiss. 1853: 224 (1853)
Hemiarcyria expansa (Mart.) Sacc. & D. Sacc. in Saccardo, Syll. Fung. 18: 212 (1906). Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 230 (1925), as doubtful synonym of *Arcyria ferruginea* Saut. The description given in Saccardo makes this highly unlikely [M. & A., 1969: 166].
- Trichia faginea* Johnst., Fl. Berwick-upon-Tweed 2: 191 (1831)
Not a myxomycete. According to D. P. Rogers in litt., what is now called *Solenia anomala* [M. & A., 1969: 166].
- Trichia fallax* f. *genuina* Rostaf., Sluzowce Monogr.: 245 (1875)
Nom. inval., see ICBN, art. 24.3.
- Trichia favoginea* Schumach., Enum. Pl. 2: 207 (1803)
Cited by Berlese in Saccardo, Syll. Fung. 7: 442 (1888), as a synonym of *T. varia* (Pers. ex J. F. Gmel.) Pers. It is not certain that Schumacher intended this to be a new name. If so, it is a later homonym of *T. favoginea* (Batsch) Pers., 1794 [M. & A., 1969: 166].
- Trichia filamentosa* Trentep., Catal. Bot. 1: 227 (1797)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 47 (1925), as a synonym of *Physarum nutans* var. *leucophaeum* (Fr.) Lister [M. & A., 1969: 167].
- Trichia fragilis* f. *botrytis* Ellis & Everh., N. Amer. Fungi No. 2098 (1888)
Cited on the label of the exsiccati. Probably based on *Stemonitis botrytis* J. F. Gmel. Cited by M. & A. (1969: 161) under *T. floriformis* (Schwein.) G. Lister.
- Trichia fragilis* var. *genuina* Rostaf., Sluzowce Monogr.: 248 (1875)
Nom. inval., see ICBN, art. 24.3.
- Trichia fulva* With., Bot. Arr. Brit. Pl., ed. 2, 4: 479 (1792)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 230 (1925), as a possible synonym of *Arcyria ferruginea* Saut. [M. & A., 1969: 167]. Non *T. fulva* Purton, 1821.
- Trichia furfuracea* With., Bot. Arr. Brit. Pl., ed. 2, 3: 392 (1792)
Doubtful. See G. Lister, Monogr. Mycetozoa, ed. 3: 261 (1925) [M. & A., 1969: 167].
- Trichia globosa* Vill., Hist. Pl. Dauphiné 3: 1061 (1789)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 115 (1925), as synonym of *Didymium melanospermum* (Pers.) T. Macbr. [M. & A., 1969: 167].
- Trichia hemisphaerica* Trentep., Catal. Bot. 1: 228 (1797)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 47 (1925), as *T. hemispheria*, as possible synonym of *Physarum nutans* Pers. Rostafinski, Sluzowce Monogr.: 157 (1874), cited it as a synonym of *Didymium microcarpon* (Fr.) Rostaf. (p.p. in index) [M. & A., 1969: 167].
- Trichia heterotricha* Balf.f., Grevillea 10: 117 (1882)
Regarded by G. Lister, Monogr. Mycetozoa, ed. 3: 209 (1925), as an incompletely developed form of her *T. contorta* complex [M. & A., 1969: 167].
- Trichia inconspicua* var. *genuina* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 36 (1893)
Nom. inval., see ICBN, art. 24.3.
- Trichia intermedia* var. *genuina* L. F. Čelak., Arch. Naturwiss. Landesdurchf. Böhmen 7(5): 39 (1893)
Nom. inval., see ICBN, art. 24.3.
- Trichia lenticularis* Hoffm., Veg. Crypt. 2: 16 (1790)
Doubtful. See G. Lister, Monogr. Mycetozoa, ed. 3: 261 (1925) [M. & A., 1969: 167].
- Trichia lichenoides* Sibth., Fl. Oxon.: 405 (1794)
Possibly a lichen. See G. Lister, Monogr. Mycetozoa, ed. 3: 261 (1925) [M. & A., 1969: 167].
- Trichia miniata* Schwein., Trans. Amer. Philos. Soc. 4: 259 (1832)
Description suggests a phase of *Metatrichia vesparium* (Batsch) Nann.-Bremek. ex G. W. Martin & Alexop. [M. & A., 1969: 167].
- Trichia nigripes* var. *pyriformis* (Bull.) Pers., Syn. Meth. Fung.: 178 (1801)
Based on *Sphaerocarpus pyriformis* Bull. See comments under *Trichia pyriformis* (Bull.) DC.
- Trichia nigripes* var. *vulgaris* (Pers.) Pers., Syn. Meth. Fung.: 179 (1801)
Based on *Trichia vulgaris* Pers. See comments under this species.
- Trichia nigripes* var. *vulgaris* (Pers.) Alb. & Schwein., Consp. Fung. Lusat.: 98 (1805)
Comb. superfl., previously proposed by Persoon, 1801. Based on *T. vulgaris* Pers., see comments under this species.
- Trichia nitens* Pers., Observ. Mycol. 1: 62 (1796)
May be what is called *Trichia favoginea* (Batsch) Pers. [M. & A., 1969: 120].
- Trichia nivea* Hoffm., Veg. Crypt. 2: 14, pl. 4 fig. 1 (1790)
Could be a pale *Arcyria*.
- Trichia nivea* O. F. Müll., Fl. Dan. 5(13): 8, pl. 776 (1782)
Cited by Rostafinski, Sluzowce Monogr.: 94 (1874), as a possible synonym of *Physarum affine* Rostaf. [M. & A., 1969: 167].
- Trichia obtusa* Wigand, Jahrb. Wiss. Bot. 3: 30 (1863)
Included by G. Lister, Monogr. Mycetozoa, ed. 3: 221 (1925) in *Hemitrichia clavata* complex [M. & A., 1969: 167].
- Trichia olivacea* With., Arr. Brit. Pl., ed. 3, 4: 392 (1796)
Doubtful. See G. Lister, Monogr. Mycetozoa, ed. 3: 261 (1925) [M. & A., 1969: 167].
- Trichia operculata* Chevall., Fl. Gén. Env. Paris 1: 324 (1826)
Chevallier cited between their synonyms *Sphaerocarpus coccineus* Bull. and *T. coccinea* (Bull.) DC.
- Trichia operculata* Brühl & Gupta, J. Dept. Sci. Univ. Calcutta 8: 119 (1927)
Cited by M. & A. (1969: 167) with the comment “(n.v.)”. Nom. illeg., non *T. operculata* Chevall., 1826.
- Trichia ovalispora* Hollós, Növényvéd. Közl. 1: 154 (1902)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 209 (1925), as Hollós, Math. Nat. Wiss. Bull. Ung. 20: 324 (1905), possible synonym of *T. contorta* (Ditmar) Rostaf.
- Trichia pedicellata* Poir. in Lamarck, Encycl. Suppl. 5: 373 (1817)
Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 117 (1925), as definitive synonym of *Didymium squamulosum* (Alb. & Schwein.) Fr. [M. & A., 1969: 167].
- Trichia physaroides* Schumach., Enum. Pl. 2: 210 (1803)
Doubtful. G. Lister, Monogr. Mycetozoa, ed. 3: 262 (1925). Kowalski, Mycologia 62(4): 660 (1970), cited it as a possible

- synonym of *Lamproderma columbinum* (Pers.) Rostaf. [M. & A., 1969: 167].
- Trichia piriformis* auct.
See *T. pyriformis*. Both spellings used in early works and often altered from one to the other in copying.
- Trichia polymorpha* Sowerby, Col. Fig. Engl. Fung., pl. 180 (1799)
Cited by G. Lister, Monogr. Mycetoza, ed. 3: 230 (1925) as synonym of *Arcyria ferruginea* Saut. Sowerby's plate and accompanying "description" do not permit identification. Perhaps an *Arcyria*, but surely not *A. ferruginea* [M. & A., 1969: 167].
- Trichia punctulata* Schwein., Trans. Amer. Philos. Soc. 4: 259 (1832)
The description suggests a *Perichaena* [M. & A., 1969: 421].
- Trichia purpurea* Schumacher, Enum. Pl. 2: 211 (1803)
Cited by G. Lister, Monogr. Mycetoza, ed. 3: 235 (1925), as a doubtful synonym of *Arcyria denudata* (L.) Wettst. [M. & A., 1969: 167].
- Trichia pyriformis* Vill., Hist. Pl. Dauphiné 3: 1060 (1789)
Cited by Rostafinski, Sluzowce Monogr.: 253 (1875), as a synonym of *Trichia chrysosperma* (Bull.) DC. [M. & A., 1969: 421].
- Trichia pyriformis* (Bull.) Sibth., Fl. Oxon.: 406 (1794)
Based on *Sphaerocarpus piriformis* Bull. Cited by Rostafinski, Sluzowce Monogr.: 265 (1875), as a synonym of *Hemiarcyria clavata* (Pers.) Rostaf. [M. & A., 1969: 421]. See *T. pyriformis* (Bull.) DC.
- Trichia pyriformis* Pers., Tent. Disp. Meth. Fung.: 10 (1797)
Nom. illeg., non *T. pyriformis* Vill., 1789, nec *T. piriformis* Leers ex Hoffm., 1790, nec *T. pyriformis* Sibth., 1794, nec *T. pyriformis* (Bull.) DC., 1805, nec *T. pyriformis* (Scop.) P. Karst., 1879 [M. & A., 1969: 164].
- Trichia pyriformis* (Bull.) DC. in Lamarck & de Candolle, Fl. Franç., ed. 3, 2: 251 (1805)
Based on *Sphaerocarpus piriformis* Bull., Hist. Champ. France: 129 (1791), and Herb. France, pl. 417 fig. II (1789). Cited by Rostafinski, Sluzowce Monogr.: 252 (1875), as a synonym of *Trichia varia* (Pers. ex J. F. Gmel.) Pers. Highly improbable. G. Lister, Monogr. Mycetoza, ed. 3: 212 (1925), suggests *T. decipiens* (Pers.) T. Macbr. [M. & A., 1969: 421].
- Trichia pyriformis* (Scop.) P. Karst., Bidrag Kännedom Finlands Natur Folk 4: 138 (1879)
Based on *Mucor pyriformis* Scop. See comments under this species.
- Trichia ramosa* (J. F. Gmel.) Mérat, Fl. Paris, ed. 2, 1: 117 (1821)
Based on *Diderma? ramosum* (J. F. Gmel.) Pers., Syn. Meth. Fung.: 166 (1801). See reference under *Didymium? ramosum* Duby [M. & A., 1969: 421].
- Trichia ramulosa* F. Rudolphi, Linnaea 4: 119 (1829)
Basionym of *Arcyria ramulosa* (F. Rudolphi) Wigand, 1863. Wigand speaks of the capillitium as completely smooth, and this is shown in his illustration, pl. 3 fig. 17. The original description, as quoted, does not apply to either *Trichia* or *Arcyria*. The species was reported from Peru and may represent a new genus [M. & A., 1969: 167].
- Trichia recutita* With., Bot. Arr. Brit. Pl., ed. 2, 3: 392 (1792)
Cited by G. Lister, Monogr. Mycetoza, ed. 3: 362 (1925), as doubtful. Berlese in Saccardo, Syll. Fung. 7 (1888), indexes it, but on the page indicated, 444, "*T. reticulata* Grev." is the only *Trichia* with a comparable name cited. It is not cited elsewhere, so far as we have noted, and may be an error. Greville, Scot. Crypt. Fl., pl. 266 (1826), cites *T. reticulata* Pers. [M. & A., 1969: 168].
- Trichia reticulata* DC. in Lamarck & de Candolle, Fl. Franç., ed. 3, 2: 256 (1805)
Non *T. reticulata* Pers., 1797. Possibly *Dictydium cancellatum* (Batsch) T. Macbr. See G. Lister, Monogr. Mycetoza, ed. 2: 262 (1911) [M. & A., 1969: 168].
- Trichia rufa* Hoffm., Veg. Crypt. 2: 10 (1833)
Probably non *T. rufa* With., 1792. Doubtful. See G. Lister, Monogr. Mycetoza, ed. 3: 262 (1925) [M. & A., 1969: 168].
- Trichia rugosa* Trentep., Catal. Bot. 1: 228 (1797)
Cited by Rostafinski, Sluzowce Monogr.: 94 (1874), as a doubtful synonym of *Physarum affine* Rostaf., but see Sluzowce Monogr. Suppl.: 5 (1876) [M. & A., 1969: 421].
- Trichia semicancellata* DC. in Lamarck & de Candolle, Fl. Franç., ed. 3, 2: 255 (1805)
Probably a *Cribraria* [M. & A., 1969: 168].
- "*Trichia semicancellata* Poir." in Lamarck, Encycl. 8: 55 (1808)
Cited by Rostafinski, Sluzowce Monogr.: 398 (1875), as including, with its varieties, *Cribraria aurantiaca* Schrad., *C. tenella* Schrad. and *C. vulgaris* Schrad. Poiret adopted *T. semicancellata* DC., 1805 [M. & A., 1969: 421].
- Trichia sphaerica* Trentep., Catal. Bot. 1: 230 (1797)
Cited by Berlese in Saccardo, Syll. Fung. 7: 381 (1888), as a synonym of *Didymium farinaceum* Schrad.
- Trichia sphaerica* var. *polymorpha* Trentep., Catal. Bot. 1: 230 (1797)
Cited by Berlese in Saccardo, Syll. Fung. 7: 347 (1888), as a synonym of *Physarum sinuosum* (Bull.) Weinm. ["Rostaf."].
- Trichia sphaerocephala* Hoffm., Veg. Crypt. 2: 15 (1790)
Doubtful, see G. Lister, Monogr. Mycetoza, ed. 3: 262 (1925) [M. & A., 1969: 168].
- Trichia thwaitesii* Berk. & Broome, J. Linn. Soc., Bot. 14: 86 (1873)
Included by Berlese in Saccardo, Syll. Fung. 7: 447 (1888) in the *Hemiarcyria clavata* complex [M. & A., 1969: 168].
- Trichia torispiralis* Q. Wang & Yu Li in Lado & Hernández (eds.), II. Congr. Int. Sist. Ecol. Myxomycetes: 64 (1996)
Nom. inval., see ICBN, art. 36.1 and 37.1, without Latin description or diagnosis.
- Trichia turbinata* (Bolton) With., Arr. Brit. Pl., ed. 3, 4: 480 (1796)
Cited by G. Lister, Monogr. Mycetoza, ed. 2: 207 (1911), as possible synonym of *T. favoginea* (Batsch) Pers., in ed. 3: 208 (1925), of *T. varia* (Pers. ex J. F. Gmel.) Pers. In both cases the combination is attributed to Sowerby. But Sowerby adopts Withering's name for the species he illustrates in his pl. 85 (1797). "*Clathrus turbinatus* Huds.," also cited, is a shortening of a polynomial and is invalid, but the combination was validated by the publication of *C. turbinatus* Bolton, Hist. Fung. Halifax 3: 94 (1789). The name appears in numerous publications but it is impossible to say more than that it is a sessile *Trichia* [M. & A., 1969: 168]. Farr, Fl. Neotrop. 16: 93 (1976) cited *C. turbinatus* Bolton as a possible synonym of *Trichia varia* (Pers. ex J. F. Gmel.) Pers.

“*Trichia turbinata* Wigand”, Jahrb. Wiss. Bot. 3: 31 (1863)

Cited by Rostafinski, Sluzowce Monogr.: 398 (1875), as synonym, “p.p.” of *T. varia* (Pers. ex J. F. Gmel.) Pers. Wigand cited Withering as author [M. & A., 1969: 421].

Trichia varia var. *genuina* Rostaf., Sluzowce Monogr.: 254 (1875)

Nom. inval., see ICBN, art. 24.3.

“*Trichia varia subrufescens* Bong. in herb.”

Cited by Berlese in Saccardo, Syll. Fung. 7: 420 (1888), as a synonym of *Perichaena corticalis* (Batsch) Rostaf. Probably based on *T. varia* var. *subrufescens* Alb. & Schwein., 1805.

Trichia venosa (Schr.) Poir. in Lamarck, Encycl. 8: 55 (1808)
Non *T. venosa* Schumach., 1803. Based on *Dictydium venosum* Schrad., see comments under this species.

Trichia violacea Hoffm., Veg. Crypt. 2: 5 (1790)

Cited by Rostafinski, Sluzowce Monogr.: 202 (1874), as synonym of *Comatricha friesiana* (de Bary) Rostaf. [M. & A., 1969: 421].

Trichia vulgaris Pers., Observ. Mycol. 2: 32 (1799)

Cited by G. Lister, Monogr. Mycetozoa, ed. 3: 208 (1925), as a possible synonym of *T. varia* (Pers. ex J. F. Gmel.) Pers. [M. & A., 1969: 168].

Tubifera strobilina (Alb. & Schwein.) Poir. ex Steud.

Cited by Greville, Scot. Crypt. Fl. 5(55), pl. 275 (1827), as a synonym of *Perichaena strobilina* (Alb. & Schwein.) Fr., “fide Steudel in Nomen. Bot.” [not found]. Fries, Syst. Mycol. 3: 191 (1829) cites Chevalier as using the Albertini and Schweinitz name in Fl. Gén. Env. Paris 1: 344 (1826), hence Steudel may have proposed this combination [M. & A., 1969: 421].

“*Tubulifera ceratum* O. F. Müll.”, Fl. Dan. 4(11): 8, pl. 659 (1775)

Name perhaps invalid. Surely *Tubifera ferruginosa* (Batsch) J. F. Gmel. [M. & A., 1969: 59].

“*Tubulifera coccinea* Trentep.”

Cited by Rostafinski, Sluzowce Monogr.: 220 (1874), was an error, but has been copied by later authors. Trentepohl did

cite *Tubulifera cremor* O. F. Müll. [“Oeder”], but adopted Persoon’s generic name [M. & A., 1969: 57].

“*Tubulifera cremor* O. F. Müll.”, Fl. Dan. 4(11): 8, pl. 659 (1775)

Name perhaps invalid. Surely *Tubifera ferruginosa* (Batsch) J. F. Gmel. [M. & A., 1969: 59].

Tubulina bicolor (Pers.) Poir. in Lamarck, Encycl. Suppl. 5: 131 (1817)

An ascomycete. Based on *Licea bicolor* Pers., probably *Orbilbia parietina* (Schr.) Hughes [M. & A., 1969: 59].

Tubulina guaranitica (Speg.) Speg., Anales Soc. Ci. Argent. 26: 60 (1888)

Based on *Licea guaranitica* Speg. Massee, Monogr. Myxogastr.: 39 (1892), cites Roumeguère, Fungi Selecti Gallici Exs. No. 5196 (1890). Spegazzini, Anales Soc. Ci. Argent., 22: 187 (1886), published it earlier as *Licea? guaranitica* Speg. Massee thought it a myxomycete attacked by a mold. G. Lister, Monogr. Mycetozoa, ed. 3: 262 (1925), said it was a hyphomycete [M. & A., 1969: 421].

Tubulina guaranitica Roum., Fungi Selecti Gallici Exs. No. 5196 (1890)

A hyphomycete, see G. Lister, Monogr. Mycetozoa, ed. 3: 262 (1925) [M. & A., 1969: 59]. See also *T. guaranitica* (Speg.) Speg.

Tubulina spumarioidea (Cooke & Massee) Cooke & Massee in Massee, Monogr. Myxogastr.: 42 (1892)

Based on *Licea spumarioidea* Cooke & Massee. Not a myxomycete [M. & A., 1969: 59].

Tubulina variabilis (Schr.) Poir. in Lamarck, Encycl. 8: 131 (1808)

Cited by Rostafinski, Sluzowce Monogr.: 219 (1875), as a synonym of *Licea variabilis* Schr. *Trichia variabilis* (Schr.) Poir., in the same volume, is usually regarded as the same, but the Lister, Monogr. Mycetozoa, ed. 3: 183 (1925), questions it. Nomenclaturally they seem to be synonyms [M. & A., 1969: 59].

APPENDIX I

INDEX OF AUTHORS OF MYXOMYCETE NAMES

- Adans.** — Adanson, Michel (1727-1806)
D. K. Agarwal — Agarwal, D. K. (1945-)
Agnihothr. — Agnihothrudu, V. (fl. 1956-)
Alb. — Albertini, Johannes Baptista von (1769-1831)
Alexandrovitch — Aleksandrovitch, Y. D. (1819-1894)
Alexop. — Alexopoulos, Constantine John (1907-1986)
R. M. Allen — Allen, R. M. (? - ?)
Allington — Allington, William B. (1912-)
Amo — Amo y Mora, Mariano del (1809-1896)
Aramb. — Arambarri, Angélica (1945-)
G. F. Atk. — Atkinson, George Francis (1854-1918)
C. Bab. — Babington, Churchill (1821-1889)
Balf. f. — Balfour, Isaac Bayley (1853-1922)
de Bary — Bary, Heinrich Anton (1831-1888)
Batista — Batista, A. Chaves (fl. 1949-)
Batsch — Batsch, August Johann Georg Karl (1761-1802)
Battarra — Battarra, Giovanni Antonio (1714-1789)
K. Baumann — Baumann, Karlheinz (1938-)
Bäumler — Bäumler, Johan Andreas (1847-1926)
Becker — Becker, Johannes (1769-1833)
Beltrán-Tej. — Beltrán-Tejera, Esperanza (1947-)
Beneke — Beneke, E. S. (fl. 1954-)
R. K. Benj. — Benjamin, Richard K. (1922-)
Berk. — Berkeley, Miles Joseph (1803-1889)
Berl. — Berlese, Augusto Napoleone (1864-1903)
Bertero — Bertero, Carlo Luigi Guiseppe (1789-1831)
Bilgram — Bilgram, Hugo (fl. 1905-)
Bisby — Bisby, Guy Richard (1889-1958)
Bisch. — Bischoff, Gottlieb Wilhelm T. G. (1797-1854)
Bjerk. — Bjerkander, Clas (1735-1795)
M. Blackw. — Blackwell, Meredith (1940-)
A. Blytt — Blytt, Axel Gudbrand (1843-1898)
Boedijn — Boedijn, Karel Bernard (1893-1964)
Bolton — Bolton, James (1758-1799)
Bonamy — Bonamy, François (1710-1786)
Bong. — Bongard, August (Gustav) Heinrich von (1786-1839)
I. G. Borshch. — Borshchow, Iljia Grigorievich (1833-1878)
Bossel. — Bosselaers, J. P. (fl. 1984-)
Boud. — Boudier, Jean Louis Émile (1828-1920)
Boul. — Bouloumoy, Louis (-1926)
Bowman — Bowman, John Eddowes (1785-1841)
Bozonnet — Bozonnet, Jean (1928-)
Brândză — Brândză, Marcel Alex (1868-1934)
Bratteng — Bratteng, A. Stephen (fl. 1975-)
Bres. — Bresadola, Giacopo (1847-1929)
Brond. — Brondeau, Louis de (1794-1859)
T. E. Brooks — Brooks, Travis E. (1917-1976)
Broome — Broome, Christopher Edmund (1812-1886)
Brühl — Brühl, Paul Johannes (1855- ?)
Bub. -Zurey — Buben-Zurey, Mary Jo (fl. 1960-)
Buchet — Buchet, Samuel (1875-1956)
Buckn. — Bucknall, Cedric (1894-1921)
Bull. — Bulliard, Jean Baptiste François (1752-1793)
J. C. Buxb. — Buxbaum, Johan Christian (1693-1730)
Buyck — Buyck, Bart (fl. 1983-)
DC. — Candolle, Augustin Pyramus de (1778-1841)
Cand. — Candoussau, Françoise (1934-)
Carmich. — Carmichael, Dugald (1772-1827)
S. Carter — Carter, Stanley (1912- 1997)
A. Castillo — Castillo, Aurelio (1955-)
Cejp — Cejp, Karel (1900-1979)
L. F. Čelak. — Čelakovský, Ladislav Frantisek (1864-1916)
Ces. — Cesati, Vincenzo de (1806-1883)
S. W. Chapm. — Chapman, S. W. (fl. 1980-)
Chassain — Chassain, Maurice (fl. 1977-)
Shuang L. Chen — Chen, Shuang-Lin (fl. 1992-)
Y. F. Chen — Chen, Ya Fen (fl. 1998-)
Chevall. — Chevallier, François Fulgis (1796-1840)
R. K. Chopra — Chopra, R. K. (fl. 1990-)
Chao H. Chung. — Chung, Chao Hsuan (fl. 1995-)
Cienk. — Cienkowski, Leo de (1822-1887)
Clinton — Clinton, George Williams (1807-1885)
O. F. Cook — Cook, Orator Fuller (1867-1949)
Cooke — Cooke, Mordecai Cubitt (1825-1914)
Corda — Corda, August Karl Joseph (1809-1872)
J. J. Cox — Cox, James J. (fl. 1981-)
Cran — Cran, William (fl. 1925- ?)
J. L. Crane — Crane, J. Leland (1935-)
R. L. Critchf. — Critchfield, Richard L. (fl. 1988-)
P. Crouan — Crouan, Pierre Louis (1798-1871)
Curr. — Currey, Frederick (1819-1881)
M. A. Curtis — Curtis, Moses Ashley (1808-1872)
Darakov — Darakov, O. B. (fl. 1983-)
Dearn. — Dearness, John (1852-1954)
Debey — Debey, Matthias Dominikus Hubert Maria (1817-1884)
J. R. Deschamps — Deschamps, Jorge R. (fl. 1972-)
Desm. — Desmazières, John Baptiste Henri Joseph (1786-1862)
Dhillon — Dhillon, S. S. (fl. 1978-)
Dicks. — Dickson, James (Jacobus) J. (1738-1822)
Dill. — Dillenius, Johan Jacob (1684-1747)

- Ditmar** — Ditmar, L. P. Fr. (fl. 1806-1817)
Döbbeler — Döbbeler, Peter (1946-)
Duby — Duby, Jean Étienne (1798-1885)
Durieu — Durieu de Maisonneuve, Michel Charles (1796-1878)
Eaton — Eaton, Amos (1776-1842)
Ehrenb. — Ehrenberg, Christian Gottfried (1795-1876)
Eichelb. — Eichelbaum, F. (fl. 1906-)
Ejale — Ejale, Angela U. (fl. 1992-)
Eliasson — Eliasson, Uno H. (1939-)
Ellis — Ellis, Job Bicknell (1829-1905)
Emoto — Emoto, Yoshikadzu (1892-1979)
Endl. — Endlicher, Stephan Friedrich Ladislaus (1804-1849)
Englerth — Englerth, George Henry (1907-)
Erady — Erady, N. A. (fl. 1953-)
Estrada — Estrada, Arturo (1960-)
Everh. — Everhart, Benjamin Matlack (1818-1904)
Farquharson — Farquharson, C. O. (fl. 1916-)
M. L. Farr — Farr, Marie Louise (1927-)
Fautrey — Fautrey, François (fl. 1892-)
Ficinus — Ficinus, Heinrich David August (1782-1857)
Finger — Finger, J. (fl. 1987-)
Flatau — Flatau, Leo (fl. 1987-)
Fortsner — Forstner, S. (fl. 1975-)
Frederick — Frederick, Lafayette (fl. 1969-)
Frentrop — Frentrop, J. G. J. (fl. 1981-)
Fresen. — Fresenius, Johan Baptist Georg (George) Wolfgang (1808-1856)
Fr. — Fries, Elias Magnus (1794-1878)
R. E. Fr. — Fries, Robert Elias (1876-1966)
Fuckel — Fuckel, Karl Wilhelm Gottlieb Leopold (1821-1876)
Gaillard — Gaillard, Albert (1858-1903)
Georgev. — Georgevitch, Peter (Pierre) (1874-1947)
H. C. Gilbert — Gilbert, Henry Clark (1891- ?)
Gilb. — Gilbertson, Robert Lee (1925-)
Gilert — Gilert, Elizabeth (1947-)
L. S. Gill — Gill, Lake Shore (1900- ?)
Gled. — Gleditsch, Johann Gottlieb (1714-1786)
J. F. Gmel. — Gmelin, Johann Friedrich (1748-1804)
Golovenko — Golovenko, I. N. (fl. 1960-)
Gottsb. — Gottsberger, Gerhard Karl (1940-)
Gràcia — Gràcia, Enric (1952-)
P. W. Graff — Graff, Paul Weidemeyer (1880- ?)
Gray — Gray, Samuel Frederick (1766-1828)
Grev. — Greville, Robert Kaye (1794-1866)
Grove — Grove, William Bywater (1848-1938)
Guett. — Guettard, Jean Étienne (1715-1786)
Gupta — Gupta, Rani (fl. 1927-)
Hagelst. — Hagelstein, Robert (1870-1945)
Haller — Haller, Victor Albrecht von (1708-1777)
Hara — Hara, Kanesuke (1885-1962)
Härk. — Härkönen, Marja (1939-)
Harling — Harling, Gunnar Wilhelm (1920-)
Hatano — Hatano, Takami (fl. 1996-)
Hazsl. — Hazslinszky von Hazslin, Friedrich August (1818-1896)
Hedw. — Hedwig, Johann (1730-1799)
R. A. Hedw. — Hedwig, Romanus Adolf (1772-1806)
Henney — Henney, Mary (fl. 1980-)
Hertel — Hertel, Hannes (1939- ?)
Heykoop — Heykoop, Michel (fl. 1987-)
Hill — Hill, John (1716-1775)
Hiranuma — Hiranuma, Daizaburo (1900-1942)
Hochg. — Hochgesand, Elke (1959-)
Hoffm. — Hoffmann, George Franz (1761-1826)
Höhn. — Höhnel, Franz Xaver Rudolf von (1852-1920)
P. C. Holland — Holland, Peter Charles (1927-)
Hollós — Hollós, Ladislaus (László) (1859-1940)
Hooff — Hooff, Johannes Petrus Martinus van (1948-)
Hook. f. — Hooker, Joseph Dalton (1817-1911)
E. Horak — Horak, Egon (1937-)
Hornem. — Hornemann, Jens Wilken (1770-1841)
House — House, Homer Doliver (1878-1949)
H. J. Howard — Howard, Henry J. (? -1957)
Huds. — Hudson, William (1730-1793)
Illana — Illana, Carlos (1965-)
Ing — Ing, Bruce (1937-)
Jaap — Jaap, Otto (1864-1922)
Jacq. — Jacquin, Nicolaus Joseph von (1727-1817)
E. Jahn — Jahn, Eduard Adolf Wilhelm (1871-1942)
Johannesen — Johannesen, E. W. (fl. 1980-)
Johnst. — Johnston, George (1797-1855)
Johow — Johow, Friedrich Richard Adelbert (1859-1933)
Jungh. — Junghuhn, Franz Wilhelm (1809-1864)
Kalchbr. — Kalchbrenner, Károly (1807-1866)
P. Karst. — Karsten, Peter Adolf (1834-1937)
J. S. Kaulf. — Kaulfuss, Johannes Simon (? -1947)
S. J. Kaur — Kaur, Swaru Jeet (fl. 1975-)
H. W. Keller — Keller, Harold Williard (1937-)
N. A. Khan — Khan, N. A. (fl. 1960-)
J. J. Kickx — Kickx, Jean Jacques (1842-1887)
Klotzsch — Klotzsch, Johann Friedrich (1805-1860)
Koaze — Koaze, Shiro (1875-1951)
Kowalski — Kowalski, Donald T. (1938-)
L. G. Krieglst. — Krieglsteiner, Lothar G. (fl. 1991-)
Krup. — Krupinsky, J. M. (fl. 1982-)
Krzemien. — Krzemieniewska, Helena (1878-1966)
Kuntze — Kuntze, Carl Ernst Otto (1843-1907)
Lado — Lado, Carlos (1955-)
Lagarde — Lagarde, Johannes Joseph (1866- ?)
Lagerh. — Lagerheim, Nils Gustaf von de (1860-1926)
T. N. Lakh. — Lakhnapal, T. N. (fl. 1968-)
Lam. — Lamarck, Jean Baptiste Antoine Pierre de Monnet (1744-1829)
Latourr. — Latourrette, Marc Antoine Louis Claret de (Fleurieu de) (1729-1793)
Lavrov — Lavrov, Nikolai Nikolaevich (fl. 1926- ?)
Lázaro Ibiza — Lázaro é Ibiza, Blas (1858-1921)
Leers — Leers, Johan Georg Daniel (1727-1774)
Letell — Letell, Jean Baptiste Louis (1817-1898)
Lév. — Lévillé, Joseph-Henri (1796-1870)

- Leyss.** — Leysser, Friedrich Wilhelm von (1731-1815)
Yu Li — Li, Yu (1932-)
H. Z. Li — Li, Hui Zhong (fl. 1986-)
Lib. — Libert, Marie-Anne (1782-1865)
Lightf. — Lightfoot, John (1735-1788)
Lilj. — Liljeblad, Samuel (1761-1815)
Link — Link, Johan Heinrich Friedrich (1767-1851)
L. — Linnaeus, Carl von (1707-1778)
C. Lippert — Lippert, Christian (? -1899)
Lister — Lister, Arthur (1830-1908)
G. Lister — Lister, Gulielma (1860-1949)
C. H. Liu — Liu, Chin Hui (fl. 1995-)
Lizárraga — Lizárraga, Marcos (1962-)
Lloyd — Lloyd, Curtis Gates (also McGinty, C. G.) (1859-1926)
Lodhi — Lodhi, Sher Ahmad (fl. 1934- ?)
Loer. — Loerakker, W. M. (fl. 1975-)
Lovejoy — Lovejoy, Ruth Ellen Harrison (1882- ?)
N. Lundq. — Lundqvist, Nils G. (1930-)
T. Macbr. — Macbride, Thomas Huston (1848-1934)
Maire — Maire, René Charles Joseph Ernest (1878-1949)
Manocha — Manocha, M. S. (fl. 1964-)
Marchal — Marchal, Élie (1839-1923)
G. W. Martin — Martin, George Willard (1886-1971)
Mart. — Martius, Carl (Karl) Friedrich Philipp von (1794-1868)
H. Marx — Marx, Heidi (1940-)
Massee — Massee, George Edward (1850-1917)
Massner — Massner, W. (fl. 1987-)
J. Matsumoto — Matsumoto, Jun (fl. 1993-)
McHugh — McHugh, Roland (fl. 1986-)
McNichols — McNichols, Elaine L. (fl. 1974-)
Mérat — Mérat de Vaumartoise, François Victor (1780-1851)
Meslin — Meslin, Roger E. (?)
Mar. Mey. — Meyer, Marianne (1943-)
Meyl. — Meylan, Charles (1868-1941)
P. Micheli — Micheli, Pier Antonio (1679-1737)
Minakata — Minakata, Kumagusu (1867-1941)
R. L. Mishra — Mishra, R. L. (fl. 1979-)
Mitchel — Mitchel, D. H. (1917-)
D. W. Mitch. — Mitchell, David William (1938-)
Moesz — Moesz, Gustáv von (1873-1946)
Mont. — Montagne, Jean Pierre François Camille (1784-1866)
C. L. Moore — Moore, C. L. (fl. 1913- ?)
Z. Moravec — Moravec, Zdeněk (fl. 1954-)
G. Moreno — Moreno, Gabriel (1951-)
Morgan — Morgan, Andrew Price (1836-1907)
Mornand — Mornand, J. (fl. 1984-)
Mosquera — Mosquera, Juan (1975-)
K. G. Mukerji — Mukerji, Krishna Gopal (1934-)
Mulleavy — Mulleavy, Perry (fl. 1977-)
O. F. Müll. — Müller, Otto Friedrich (1730-1784)
Namysl. — Namyslowski, Boleslaw (1882-1929)
Nanir — Nanir, S. P. (fl. 1973-)
Nann. -Bremek. — Nannenga-Bremekamp, Neeltje Elizabeth (1916-1996)
Nawawi — Nawawi, A. (fl. 1974-)
Nees — Nees von Esenbeck, Christian Gottfried Daniel (1776-1858)
H. Neubert — Neubert, Hermann (1935-)
Nieuwl. — Nieuwland, Julius (Aloysius) Arthur (1878-1936)
De Not. — De Notaris, Giuseppe (1805-1877)
Novozh. — Novozhilov, Yura K. (1953-)
Nowotny — Nowotny, Wolfgang (1946-)
Nyl. — Nylander, (Wilhelm) William (1822-1889)
Oeder — Oeder, George Christian Edler von Oldenburg (1728-1791)
Oerst. — Oersted, Anders Sandoe (1816-1872)
L. S. Olive — Olive, Lindsay Shepherd (1917-1988)
Oltra — Oltra, Miguel (1953-)
Onsberg — Onsberg, Per (fl. 1972-)
Opiz — Opiz, Philipp Maximilian (1787-1858)
G. H. Otth — Otth, Gustav Heinrich (1806-1874)
Oudem. — Oudemans, Cornelius Anton Jan Abraham (1825-1906)
Pall. — Pallas, Peter Simon von (1741-1811)
Pando — Pando, Francisco (1962-)
Paol. — Paoli, Giulio (1865-1941)
Pasricha — Pasricha, Rama (fl. 1987-)
S. D. Patil — Patil, S. D. (fl. 1966-)
Pat. — Patouillard, Narcisse Théophile (1854-1926)
Pavill. — Pavillard, Jules (1868-1961)
Payer — Payer, Jean-Baptiste (1818-1860)
Peck — Peck, Charles Horton (1833-1917)
M. Peck — Peck, Morton Eaton (1871-1959)
Penz. — Penzig, Albert Julius Otto (1856-1929)
Pers. — Persoon, Christian Hendrik (1761-1836)
Petch — Petch, Thomas (1870-1948)
W. Phillips — Phillips, William (1822-1905)
Pinoy — Pinoy, Pierre Ernest (1873-1948)
Poelt — Poelt, Josef (1924-)
Poir. — Poirer, Jean Louis Marie (1755-1834)
Poitrás — Poitrás, Adrian W. (fl. 1950-)
A. Pouchet — Pouchet, Albert Maxime (1880-1965)
Poulain — Poulain, Michel (fl. 1990-)
Prantl — Prantl, Karl Anton Eugen (1849-1893)
Preuss — Preuss, Carl Gottlieb Traugott (1795-1855)
Purton — Purton, Thomas (1768-1833)
Pushpav. — Pushpavathy, K. K. (fl. 1979-)
Quél. — Quélet, Ferdinand Friedrich Hermann (1876-1963)
Rabenh. — Rabenhorst, Gottlob Ludwigh (1806-1881)
Racib. — Raciborski, Marjan (1863-1917)
Raesch. — Raeschel, Ernst Adolf (fl. 1772-1797)
Raf. — Rafinesque, Constantine Samuel (1783-1840)
Rammeloo — Rammeloo, Jan (1946-)
Ramon — Ramon, Edith (fl. 1969-)
Ranade — Ranade, V. D. (fl. 1977-)
Raub — Raub, Thomas (fl. 1979-)
Raunk. — Raunkiaer, Christen Christiansen (1860-1938)
Rauscher — Rauscher, Robert (1806-1890)
Ravenel — Ravenel, Henry William (1814-1887)
Regel — Regel, Eduard August von (1815-1892)

- Rehill** — Rehill, P. S. (fl. 1959-)
Reichard — Reichard, Johan Jacob (1743-1782)
Relhan — Relhan, Richard (1754-1823)
Remler — Remler, Paula (fl. 1979-)
Retz. — Retzius, Anders Jahan (1742-1821)
Rex — Rex, George Abraham (1845-1895)
D. R. Reynolds — Reynolds, Don Rupert (1938-)
Robbr. — Robbrecht, Elmar (1946-)
Romell — Romell, Lars Gunnar Torgny (1891- ?)
Rönn — Rönn, Hans Ludwig Kark (1886- ?)
J. Ross — Ross, Joseph (fl. 1942-)
Rostaf. — Rostafirski, Józef Thomasz (1850-1928)
Roth — Roth, Albrecht Wilhelm (1757-1834)
I. L. Roth — Roth, Ivan L. (fl. 1981-)
Roum. — Roumeguère, Casimir (1828-1892)
F. Rudolphi — Rudolphi, Fridrich Karl Ludwig (1801-1849)
Ruppius — Ruppius, Heinrich Bernard (1688-1719)
Sacc. — Saccardo, Pier Andrea (1845-1920)
D. Sacc. — Saccardo, Domenico (1872-1952)
A. Sánchez — Sánchez, Antonio (fl. 1997-)
R. Sant. — Santesson, Rolf (1916-)
A. K. Sarbhoy — Sarbhoy, Ashok Kumar (1939-)
Saut. — Sauter, Anton Eleutherius (1800-1881)
Schaeff. — Schaeffer, Jacob Christian (H. von) (1718-1790)
Schilb. — Schilberszky, Károly (1863-1935)
Schinner — Schinner, Franz (1947-)
Schirmer — Schirmer, Peter (fl. 1987-)
Schltl. — Schlechtendal, Diederich Franz Leonhard von (1794-1866)
Schmidel — Schmidel, Casimir Christoph (1718-1792)
Schnittler — Schnittler, Martin (1963-)
Schokn. — Schoknecht, Jean Donze (1997-)
Schrad. — Schrader, Heinrich Adolph (1767-1836)
Schrank — Schrank, Franz von Paula von (1747-1835)
J. Schröt. — Schröter, Joseph (1837-1894)
C. Schub. — Schubert, Carl (fl. 1820- ?)
Schulzer — Schulzer von Muggenburg, Stephan V. M. (1802-1892)
Schumach. — Schumacher, Heinrich Christian Friedrich (1757-1830)
Schwein. — Schweinitz, Lewis David von (1780-1834)
Scop. — Scopoli, Johannes Antonius (1723-1788)
H. S. Sehgal — Sehgal, H. S. (fl. 1964-)
R. Sharma — Sharma, Rajesh (fl. 1981-)
Shirai — Shirai, Mitsutarô ('Kotaro') (1863-1932)
Sibth. — Sibthorp, John (1758-1796)
Siemaszko — Siemaszko, Wincenty (Vincent) (1887-1943)
R. Simons — Simons, Ray (fl. 1983-)
H. Sing — Sing, Hardev (fl. 1965-)
S. N. Singh — Singh, S. N. (fl. 1974-)
Sizova — Sizova, T. P. (fl. 1957-)
Skup. — Skupieński, Frantisek (François-Xavier) (1888- ?)
Skvortsov — Skvortsov, Boris Vassilievich (1890-1980)
S. J. Sm. — Smith, Stanley Jay (1916-1977)
Sobol. — Sobolewsky, Gregor Fedorovitch (1741-1807)
Sohi — Sohi, H. S. (fl. 1957-)
Solacolu — Solacolu, Théodor (1876-1940)
Sommerf. — Sommerfelt, Søren Christian (1794-1838)
Sowerby — Sowerby, James (1757-1822)
Spæg. — Spegazzini, Carlo Luigi (1858-1926)
Spinedi — Spinedi, Horacio A. (1951-)
Spreng. — Sprengel, Curt Polycarp Joachim (1766-1833)
S. L. Stephenson — Stephenson, Steven L. (1943-)
Steud. — Steudel, Ernst Gottlieb von (1783-1856)
Stoian. — Stoianovitch, Carmen (fl. 1960-)
Sturgis — Sturgis, William Codman (1886-1942)
Sturm — Sturm, Jacob W. (1771-1848)
Sw. — Swartz, Olof (Peter) (1760-1818)
Syd. — Sydow, Hans (1879-1946)
Teng — Teng, Shu Chün (1902-1970)
Thaxt. — Thaxter, Roland (1858-1932)
K. S. Thind — Thind, Kartar Singh (1917-)
Thüm. — Thümen, Felix (Karl Albert Ernst Joachim) von (1839-1892)
Titova — Titova, Yu A. (fl. 1983-)
Torrend — Torrend, Camille (1875-1961)
Traverso — Traverso, Giovanni Battista (1878-1955)
Trentep. — Trentepohl, Johann Friedrich (1784-1806)
Trotter — Trotter, Alessandro (1874-1967)
Tzean — Tzean, Sheng-Shung (1944-)
Ukkola — Ukkola, Tarja Helena (fl. 1996-)
Vill. — Villars, Dominique (1745-1814)
Wallr. — Wallroth, Carl Friedrich Wilhelm (1792-1857)
Q. Wang — Wang, Qi (fl. 1989-)
Weinm. — Weinmann, Johann Anton (1782-1858)
A. L. Welden — Welden, Arthur L. (1927-)
Wettst. — Wettstein von Westersheim, Richard (1863-1931)
K. D. Whitney — Whitney, Kenneth D. (fl. 1978-)
Wichansky — Wichansky, Evžen (fl. 1958-)
Widder — Widder, Felix Joseph (1892-1974)
Wigand — Wigand, (Julius Wilhelm) Albert (1821-1886)
F. H. Wigg. — Wiggers, Friedrich Heinrich (1746-1811)
R. Wilczek — Wilczek, Ernst (1867-1948)
Willd. — Willdenow, Carl Ludwig von (1765-1812)
M. T. M. Willemse — Willemse, M. T. M. (fl. 1994-)
Wingate — Wingate, Harold (1852-1926)
With. — Withering, William (1741-1799)
Wollman — Wollman, Constance E. (fl. 1968-)
Y. Yamam. — Yamamoto, Yukinori (1947-)
Yamash. — Yamashiro, Moriya (1903-1987)
Z. H. Zhou — Zhou, Z. H. (fl. 1978-)
Zoll. — Zollinger, Heinrich (1818-1859)
Zopf — Zopf, (Friederich) Wilhelm (1846-1909)
Zukal — Zukal, Hugo (1845-1900)

APPENDIX II

INDEX OF BOOK TITLE ABBREVIATIONS

- Arr. Brit. Pl., ed. 3* — An Arrangement of British Plants, ed. 3. Birmingham. 1796. Withering, W.
- Baier. Fl.* — Baiersche Flora. München. 2 vols. 1789. Schrank, F. von P. von
- Beitr. Mykol.* — Beiträge zur Mykologie. Frankfurt. 1850-1863. Fresenius, J. B. G. W.
- Bot. Arr. Brit. Pl., ed. 2* — A Botanical Arrangement of British Plants, ed. 2. Birmingham. 1792. Withering, W.
- Bot. Crypt.* — Botanique Cryptogamique. Paris. 1850. Payer, J. B.
- Bot. Descr. Brit. Pl.* — A Botanical Description of Brithish Plants. London. 1821. Purton, T.
- Bot. Gall. ed. 2* — Botanicon Gallicum, ed. 2. Paris. 1830. Duby, J. E.
- Bot. Kuntsprache* — Die Botanische Kuntsprache. Nürnberg. 1822. Bischoff, G. W.
- Cat. Pl. Circa Gissam* — Catalogus Plantarum Sponte Circa Gissam Nascentium. Paris. 1719. Dillenius, J. B.
- Cat. Pl. Omises Botanog. Belgique* — Catalogue des Plantes Omises dans le Botanographie Belgique et dans les Flores du Nord de la France. Paris. 1823. Desmazières, J. B. H. J.
- Catal. Bot.* — Catalecta Botanica. Lipsiae. 1797. Roth, A. W.
- Chlor. Lugd.* — Chloris Lugdunensis. Lyon. 1785. Latourrette, M. A. L. C.
- Col. Fig. Engl. Fung.* — Coloured Figures of English Fungi or Mushrooms. London. 1796-1803. Sowerby, J.
- Comp. Fl. Españ.* — Compendio de la Flora Española. Madrid. 1896. Lázaro e Ibiza, B.
- Congr. Nac. Geogr. Brasil, Salvador* — Congreso Nacional de Geografia de Brasil, Salvador de Bahía. 1916.
- Consp. Fung. Lusat.* — Conspectus Fungorum in Lusitiae Superioris Agri Niskiensi Crescentium e Methodo Persooniana. Lipsiae. 1805. Albertini, J. B. von & Schweinitz, L. D. von
- Contr. Mycol. Brit.* — Contributions to Mycologia Britannica. The Myxomycetes of Great Britain. London. 1877. Cooke, M. C.
- Contributiuni la Studiul Myxomycetelor din România -?*
- Crypt. Fl. Pakistan* — Cryptogamic Flora of Pakistan, vol. 2. T. Nakaike & S. Malik (eds.) Tokyo. 1993.
- Crypt. Himalayas, vol. 1* — Cryptogams of the Himalayas, vol. 1. The Kathmandu Valley. Tsukuba. 1988. M. Watanabe & D.S. Malla (eds.).
- Crypt. Himalayas, vol. 3* — Cryptogams of the Himalayas, vol. 3. Nepal and Pakistan. Tsukuba. 1995. M. Watanabe & H. Hagiwara (eds.).
- Deutschl. Fl.* — Deutschlands Flora, vol. 2. Erlangem. 1795. Hoffmann, G. F.
- Deutschl. Fl., Pilze* — Deutschlands Flora. Die Pilze Deutschlands. In: J. Sturm, Deutschlands Flora, Abth. III, vol. I. Nürnberg. 1813-1817. Ditmar, L. P. Fr.
- Deutschl. Krypt.-Fl.* — Deutschlands Kryptogamen-Flora., Vol. 1. Leipzig. 1948. Rabenhorst, G. L.
- Diss. Bot.* — Dissertationes Botanice. Suerin. 1795. Link, J. H. F.
- Diss. Sci. Nat.* — Dissertationes ad Scientiam Naturalem Pertinentes. Pragae. 1772. Scopoli, J. A.
- Elench. Fung.* — Elenchus Fungorum. Halle. 1783. Batsch, A. J. G. C.
- Elench. Fung. Continuatio Prima* — Elenchus Fungorum. Continuatio Prima. Halle. 1786. Batsch, A. J. G. C.
- Elench. Fung. Continuatio Secunda* — Elenchus Fungorum. Continuatio Secunda. Halle. 1789. Batsch, A. J. G. C.
- Encycl.* — Encyclopédie Méthodique. Botanique. vol. 8. Paris. 1808. Lamarck, J. B. A. P. M. de, by Poiret, J. L. M.
- Encycl. Suppl.* — Encyclopédie Méthodique. Suppl. 5. 1817. Lamarck, J. B. A. P. M. de, by Poiret, J. L. M.
- Engl. Fl.* — The English Flora. 1836. Smith, J. E., vol. 5(2) by M. J. Berkeley
- Énum. Champ. Guadeloupe* — Énumération Méthodique des Champignons Recuillés à la Guadeloupe et à la Martinique. Lons-le-Saunier. 1903. Duss, A.
- Enum. Pl.* — Enumeratio Plantarum in Partibus Saellandiae Septentrionalis et Orientalis Crescentium. Havniae. 1803. Schumacher, H. C. F.
- Erb. Critt. Ital. Series II* — Erbario Crittogamico Italiano, Series II, fasc. 1-30, nos. 1-1500. Genova, Milano. 1858-1885. [Exsiccati]
- Estud. Fl. Juan Fernandez* — Estudios sobre la Flora de las Islas de Juan Fernández. Santiago de Chile. 1896. Johow, F. R. A.
- Expl. Sci. Algérie* — Exploration Scientifique de l'Algérie. 1848?. Durie de Maisonneuve, M. C.
- F. Rhen.* — Fungi Rhenani Exsiccati (nos. 1-2700, 1863-1874). Fuckel, K. W. G. L.
- Fam. Pl.* — Families des Plantes. Paris. 1763. Adanson, M.

- Fasc. Pl. Crypt. Brit.** — Fascicules Plantarum Cryptogamicarum Britanniae. London. 1785. Dickson, J.
- Fig. Champ.** — Figures des Champignons. Paris. 1829-1842. Letellier, J. B. L.
- Fl. Angl., ed. 2** — Flora Anglica, ed. 2. London. 1778. Hudson, W.
- Fl. Austriac.** — Florae Austriacae. Viennae. 1773-1778. Jacquin, N. J.
- Fl. Berol. Prodr.** — Florae Berolinensis Prodomus. Berlin. 1787. Willdenow, C. L.
- Fl. Berwick-upon-Tweed** — A Flora of Berwick-upon-Tweed, vol. 2. Edinburgh. London. 1831. Johnston, G.
- Fl. Cantab. Ed. Tertia** — Flora Cantabrigiensis. Editio tertia. Cantabrigiae. 1820. Relhan, R.
- Fl. Cantab. Suppl.** — Flora Cantabrigiensis Supplementum. Cantabrigiae. 1786. Relhan, R.
- Fl. Cantabr., Suppl. 3** — Flora Cantabrigiensis Supplementum Tertium. Cantabrigiae. 1793. Relhan, R.
- Fl. Carniol., ed. 2** — Flora Carniolica. Editio Secunda. Viennae. 1772. Scopoli, J. A.
- Fl. Chil.** — Historia Física y Política de Chile. Botánica [Flora Chilena]. 8 vols. 1845-1852 [-1854]. Gay, C.
- Fl. Crypt. Germ.** — Flora Cryptogamia Germaniae. Norimbergae. 1833. Wallroth, C. W. F.
- Fl. Crypt. Peníns. Ibér.** — Flora Cryptogámica de la Península Ibérica. Granada. 1870. Amo y Mora, M. del
- Fl. Dan.** — Flora Danica. Havniae. Vols. 1-3. 1776-1777. Oeder, G. C. E. von (ed.)
- Fl. Dan.** — Flora Danica. Havniae. Vols. 4-5. 1775-1782. Müller. O. F. (ed.)
- Fl. Dan.** — Flora Danica. Havniae. Vols. 8-13. 1806-1840. Hornemann, J. W. (ed.)
- Fl. Dresden, ed. 2** — Flora der Gegend um Dresden. Ed. 2. Vol. 2. Dresden. 1823. Ficus, H. D. A. & Schubert, C.
- Fl. Edin.** — Flora Edinensis. Edinburgh. 1824. Grevillé. R. K.
- Fl. Finistère** — Florule du Finistère. Paris. 1867. Crouan, P. L. & Crouan, H. M.
- Fl. Frankfurt** — Flora der Gegend um Frankfurt am Main. Frankfurt. a. M. 1828. Becker, J.
- Fl. Franç.** — Flora Française. Ed. 3. Paris. 1805-1815. J. B. A. P. M. de Lamarck & de Candolle, A. P.
- Fl. Gén. Env. Paris** — Flore Générale des Environs de Paris. Ed. 1. Vol. I. Paris. 1826. Chevallier, F. F.
- Fl. Gén. Env. Paris, ed. 2** — Flore Générale des Environs de Paris. Ed. 2. Paris. 1836. Chevallier, F. F.
- Fl. Hal. Tent. Nov. Mant. II.** — Florae Halensis, Tentamen Novum. Mantissa II. Halae Saxonum. 1811. Sprengel K. (P. J.)
- Fl. Halens., ed. 2** — Flora Halensis Exhibens Plantas Circa Halam Salicam Crescentes. Halae. 1783. Leysser, F. W. von
- Fl. Herborn.** — Flora Herbonensis. Herbonae Nassoviorum. 1775. Leers, J. D.
- Fl. Jen.** — Flora Jenensis. Francofurti & Lipsiae. 1718. Ruppis, H. B.
- Fl. Mycol. Iber.** — Flora Mycologica Ibérica, vol. 2. Stuttgart. 1997. Lado, C. & Pando, F.
- Fl. Myxom.** — Flore des Myxomycètes. S. Fiel. 1909. Torrend, C.
- Fl. Nannet. Prodr.** — Florae Nannetensis Prodomus. Nannetis. 1782. Bonamy, F.
- Fl. Neotrop.** — Flora Neotropica. Vol. 16. New York. 1976. Farr, M. L.
- Fl. Nov.-Zel.** — The Botany of the Antarctic Voyage. II. part 2. Flora Novae-Zelandiae. London. 1855. Hooker, J. D.
- Fl. Oxon.** — Flora Oxoniensis. Oxonii. 1794. Sibthorp, J.
- Fl. Petrop.** — Flora Petropolitana. Petropoli. 1799. Sobolewskiy, G.
- Fl. Scan.** — Florae Scandinaviae. Holmiae. 1779. Retzius, A. J.
- Fl. Scan.** — Flora Scanicam. Uppsala. 1835. Fries, E. M.
- Fl. Scot.** — Flora Scotica. London. 1777. Lightfoot, J.
- Fl. Suec., ed. 2** — Flora Suecica, ed. 2. Stockholmiae. 1775. Linnaeus, C.
- Fl. Tasman.** — The Botany of the Antarctic Voyage. III. part 2. Flora Tasmaniae. London. 1855-1859. Hooker, J. D.
- Fung. Bavar. Palat. Nasc.** — Fungorum qui in Bavaria et Palatinatu Circa Ratisbonam Nascuntur Icones Nativis Coloribus Expressae. Ratisbonae. 1772, 1774. Schaeffer, J. C.
- Fung. Byss. Illustr.** — Fungorum et Byssorum Illustrationes. Paris. 1837. Chevallier, F. F.
- Fungi Amer. Exs.** — Fungi Americani Exsiccati, cent. 1-8. 1878-1882. Ravenel, H. W. & Cooke, M. C.
- Fungi Arimin.** — Fungorum Agri Ariminensis Historia. Faventiae. 1755. Batarra, G. A.
- Fungi Brit. Exs.** — Fungi Britannici Exsiccati. Ser. I, cent. 1-7. London. 1865-1874. Cooke, M. C. Ser. II, cent. 1-6. 1875-1877. Cooke, M. C.
- Fungi Caroliniani Exs.** — Fungi Caroliniani Exsiccati, cent. 1-5. 1852-1860. Ravenel, H. W.
- Fungi Eur. editio nova, ser. secunda** — Fungi Europaei Exsiccati (Herbarium Vivum Mycologicum), cent. 1-45. Dresden. 1859-1905. Rabenhorst, G. L.
- Fungi Exs. Praesertim Scandinavici** — Fungi Exsiccati Praesertim Scandinavici, cent. 1-2. 1890, 1895. Romell, L.
- Fungi Ingr.** — Fungi Ingrici. St. Petersburg. 1857. Borshchow, I. G.
- Fungi Manitoba** — The Fungi of Manitoba. London. 1929. Bisby, G. R., Buller, A. H. R. & Dearn, J.
- Fungi Natal.** — Fungi Natalenses. Stockholm. 1849. Fries, E. M.
- Fungi Selecti Gallici Exs.** — Fungi Selecti Gallici Exsiccati, cent. 1-74. 1879-1898. Roumeguère, C.
- Gen. Pl.** — Genera Plantarum. Wien. 1836. Endlicher, S. L.

- Gen. Myxomycetes** — The Genera of Myxomycetes. Iowa. 1983. Martin, G. W., Alexopoulos, C. J. & Farr, M. L.
- Guide Brit. Mycetozoa, ed. 3** — Guide to the British Mycetozoa. Ed. 3. London. 1909. Lister, A.
- Guide Brit. Mycetozoa, ed. 4** — Guide to the British Mycetozoa. Ed. 4. London. 1919. Lister, A.
- Handb. Brit. Fung.** — Handbook of British Fungi. London. 1871. Cooke, M. C.
- Handbuch** — Handbuch zur Ekennung der Nutzbarsten und am Häufigsten Vorkommenden Gewächse. Berlin. 1833. Link, J. H. F.
- Herb. France** — Herbar de la France. Paris. 1780-1798. Bulliard, J. B. F.
- Hist. Champ. France** — Histoire des Champignons de la France. Paris. 1791. Bulliard, J. B. F.
- Hist. Fung. Halifax** — An History of Fungusses, Growing About Halifax, 4 vols. Huddersfield. 1788-1791. Bolton, J.
- Hist. Pl. Dauphiné** — Histoire des Plantes du Dauphiné, t. 3(2). Grenoble, Lyon, Paris. 1789. Villars, D.
- Hist. Stirp. Helv.** — Historia Stirpium Indigenarum Helvetiae Inchoata. Berna. 1768. Haller, A. von
- Hymen. Gasteromyc.** — Hymeno- et Gastero-mycetes. Petropoli, Bernae. 1836. Weinmann, J. A.
- II. Congr. Int. Sist. Ecol. Myxomycetes** — II Congreso Internacional de Sistemática y Ecología de Myxomycetes. ICSEM2. Libro de resúmenes. Madrid. 1996. C. Lado & J. C. Hernández (Eds.)
- Icon. Fung.** — Icones Fungorum Hucusque Cognitorum. 6 vols. Praha. 1837-1854. Corda, A. C. J.
- Icon. Mycol.** — Icones Mycologicae. 35-54, 55-74. Meise. 1984. J. Rammeloo (Ed.)
- Icon. Pl.** — Icones Plantarum. Nürnberg. 1775. pl. 33. Schmidel, C. Ch.
- Index Myxomycetum Japonicorum** — Index Myxomycetum Japonicorum. 1988. Yamamoto, Y.
- Indian Slime-Moulds: (Myxomycetes), Publ. Univ. Punjab, Bot., 3** — Indian Slime-Moulds: (Myxomycetes). Lahore. 1934. Lodhi, S. A.
- Intr. Crypt. Bot.** — Introduction to Cryptogamic Botany. London, New York, Paris, Madrid. 1857. Berkeley, M. J.
- Krypt.-Fl. Schlesien Pilze Schles.** — Die Pilze Schlesiens by J. Schröter. Breslau. [1885-] 1889-1908. 2 parts, published as vol. 3(1, 2) of F. Cohn, Kryptogamen-Flora von Schlesien.
- List. Jap. Fung., ed. 3** — A List of Japanese Fungi. Ed. 3, Tokyo. 1927. Shirai, M. [revised and enlarged by K. Hara]
- Man. Bot., ed. 3** — A Manual of Botany. Ed. 3 Albany. 1822. Eaton, A.
- Meth. Fung.** — Methodus Fungorum. Berlin. 1753. Gleditsch, J. F.
- Miksom.** — Stroeie i razvite sporovmestilishch Miksomisetov. Warsaw. 1872. Aleksandrovic, Y. O. [J.]
- Misc. Austriac.** — Miscellanea Austriaca. Vindobonae. 1778. Jacquin, N. J. von
- Monogr. Mycetozoa** — A Monograph of the Micetozoa. London. 1894. Lister, A.
- Monogr. Mycetozoa, ed. 2** — A Monograph of the Mycetozoa, ed. 2. London. 1911. Lister, A., revised by G. Lister
- Monogr. Mycetozoa, ed. 3** — A Monograph of the Mycetozoa, ed. 3. London. 1925. Lister, A., revised by G. Lister
- Monogr. Myxogastr.** — A Monograph of the Myxogastres. London. 1892. Massee, G.
- Mycetozoa N. Amer.** — The Mycetozoa of North America. Mineola, New York. 1944. Hagelstein, R.
- Mycetozoen** — Der Mycetozoen (Schleimpilze). Engelmann. Leipzig. 1864. Bary, A. de
- Mycol. Eur.** — Mycologia Europaea. Erlangae. 1822-1828. Persoon, C. H.
- Mycotheca Universalis** — Mycotheca Universalis, cent. 1-23, nos. 1-2300. 1875-1884. F. von Thümen [Exiccati]
- Myxomyc. Fl. Buitenzorg** — Die Myxomyceten der Flora von Buitenzorg. Leiden. 1898. Penzig, O.
- Myxomycete Biota Japan** — The Myxomycete Biota of Japan. Shinjuku-Ku, Tokyo. 1998. Yamamoto, Y.
- Myxomyceten** — Die Myxomyceten Deutschlands und des Angrenzenden Alpenraumes unter Besonderer Berücksichtigung Österreichs. Gomaringen. 1993. Neubert, H., Nowotny, W. & Baumann, K., vol. 1
- Myxomyceten** — Die Myxomyceten Deutschlands und des Angrenzenden Alpenraumes unter Besonderer Berücksichtigung Österreichs. Gomaringen. 1995. Neubert, H., Nowotny, W. & Baumann, K., vol. 2
- Myxomyceten** — Die Myxomyceten Deutschlands und des Angrenzenden Alpenraumes unter Besonderer Berücksichtigung Österreichs. Gomaringen. 2000. Neubert, H., Nowotny, W. & Baumann, K., vol. 3 (with the collaboration of H. Marx)
- Myxomycetes** — The Myxomycetes. Iowa City. 1969. Martin, G. W. & Alexopoulos, C. J.
- Myxomycetes** — The Myxomycetes. New York. 1934. Macbride T. H. & Martin, G. W.
- Myxomycetes Britain and Ireland** — The Myxomycetes of Britain and Ireland. Slough. 1999. Ing, B.
- Myxomycetes India** — The Myxomycetes of India. New Delhi. 1977. Thind, K. S.
- Myxomycetes Japan** — The Myxomycetes of Japan. Tokyo. 1977. Emoto, Y.
- N. Amer. Flora** — Myxomycetes. In: North American Flora. New York. 1949. Martin, G. W.
- N. Amer. Fungi** — North American Fungi. 1878-1885. Ellis, J. B. [Exsiccati]. Series II. 1886-1898. Ellis, J. B. & Everhart, B. M.
- N. Amer. Slime-Moulds** — The North American Slime-Moulds. New York. London. 1899. Macbride, T. H.
- N. Amer. Slime-Moulds, ed. 2** — The North American Slime-Moulds. Ed. 2. New York. London. 1922. Macbride, T. H.

- Nat. Arr. Brit. Pl.** — A Natural Arrangement of British Plants. London. 1821. Gray, S. F.
- Nat. Pflanzenfam.** — Die Natürlichen Pflanzenfamilien. Leipzig. 1889. Engler, H. G. A. & Prantl, K. A. E.
- Nederlandse Myxomyceten** — De Nederlandse Myxomyceten. Zutphen. 1975 [“1974”]. Nannenga-Bremekamp, N. E.
- Nederlandse Myxomyceten 2 Suppl. (Amsterdam)** — De Nederlandse Myxomyceten. Tweed Aavulling. Amsterdam. 1983. Nannenga-Bremekamp, N. E.
- Nomencl. Bot.** — Nomenclator Botanicus. Lipsiae. 1797. Raeschel, E. A.
- Nomencl. Bot.** — Nomenclator Botanicus. Stuttgartiae et Tubingae. 1821-1824. Steudel, E.
- Nouv. Fl. Env. Paris.** — Nouvelle Flore des Environs de Paris. Ed. 2. Vol. 1. Paris. 1821. Mérat, F. V.
- Nov. Gen. Pl.** — Nova Genera Plantarum. Lipsiae. 1797. Schraeder, H. A.
- Nov. Symb. Mycol.** — Novae Symbolae Mycologicae. Uppsala. 1851. Fries, E. M.
- Observ. Bot.** — Observationum Botanicorum. Fasciculus Primus. Lipsiae. 1802. Hedwig, R. A.
- Observ. Bot.** — Observatione Botanicae. Lipsiae. [1779-] 1791. Retzius, A. J.
- Observ. Mycol.** — Observationes Mycologicae. Lipsiae. 1796-1799. Persoon, C. H.
- Observ. Pl.** — Observations sur les Plantes. Paris. 1747. Guettard, J. E.
- Organogr. Veg.** — Organographie Végétale. Paris. 1827. Candolle, A. P. de
- Pilzflora Sonntagb. (Verhandl. K. K. Zool. Bot. Gesell. Wien. 1900)** — Pilzflora des Sonntagberges. Wien. 1900-1910. Strasser, P.
- Pilzthiere** — Die Pilzthiere oder Schleimpilze. Breslau. 1885. Zopf, F. W.
- Pl. Crypt. Arduenna** — Planta Cryptogamicae, quas in Arduenna Collegit. Leodii. 1837. Libert, M. A.
- Praem. Fl. Crypt. Java** — Praemisa in Floram Cryptogamicam Javae Insulae. Batavia. 1838. Junghuhn, F. F. W.
- Prim. Fl. Holsat.** — Primitiae Florae Holsaticae. Kiliae. 1780. Wiggers, F. H.
- Reise Russ. Reich.** — Reise Durch Verschiedene Provinzen des Russischen Reichs. St. Petersburg. 1771. Pallas, P. S.
- Revis. Gen. Pl.** — Revisio Generum Plantarum. Leipzig. Pars 2-3(1-3). 1891-1898. Kuntze, C. E. O.
- Scott. Crypt. Fl.** — Scottish Cryptogamic Flora, vol. 5-6. Edinburgh. 1827. Greville, R. K.
- Ser. Inconf. Pl. Aragon.** — Series Inconfecta Plantarum Indigenerum Aragoniae. Dresdae. 1863. Loscos y Bernal, F. & Pardo y Sastrón, J.
- Slime Moulds Hong Kong** — Slime Moulds of Hong Kong. Taipei. 1997. Chung, C. H.
- Sluzowce Monogr.** — Sluzowce (Mycetozoa) Monografia. Paryz. 1874, 1875. Rostafiński, J. (T.)
- Sluzowce Monogr. Suppl.** — Sluzowce (Mycetozoa) Monografia. Suppl. Paryz. 1876. Rostafiński, J. (T.)
- Sluzowce Polsk.** — Sluzowce Polski. Warsaw. 1960. Krzemieniewska, H.
- Sp. Pl.** — Species Plantarum. 1753. Holmiae. Linnaeus, C.
- Sp. Pl., ed. 2** — Species Plantarum, ed. 2. Holmiae. 1763. Linnaeus, C.
- Stirp. Agri Femsion.** — Stirpium Agri Femsionensis. Lund. 1825-1827. Fries, E. M.
- Summa Veg. Scand.** — Summa Vegetabilum Scandinaviae. Holmiae & Lipsae. 1849. Fries, E. M.
- Suppl. Fl. Lapp.** — Supplementum Florae Lapponicae. Christianiae. 1826. Sommerfelt, S. C.
- Syll. Fung.** — Sylloge Fungorum, 26 vols. 1882-1972. Saccardo, P. A.
- Sylv. Myc. Berol.** — Sylvae Mycologicae Berolinenses. Berlin. 1818. Ehrenberg, C. G.
- Symb. Mycol. Nachtr. II** — Symbolae Mycologicae. Erster[Dritter] Nachtrag. Wiesbaden. 1875. Fuckel, K. W. G. L.
- Symb. Gasteromyc.** — Symbolae Gasteromycorum. Lund. 1817. Fries, E. M.
- Syn. Meth. Fung.** — Synopsis Methodica Fungorum. Gottingae. 1801. Persoon, C. H.
- Sys. Arr. Brit. Pl., ed. 4** — Systematic Arrangement of British Plants, ed. 4. London. 1801. Withering, W.
- Sys. Veg.** — Caroli Linnei Systema Vegetabilium. Editio Decima Sexta. Gottingae. 1827. Sprengel K. (P. J.)
- Syst. Mycol.** — Systema Mycologicum., vol. 3(1). Lund. 1829. Fries. E. M. [vol 3(2), 1832; Index, 1832]
- Syst. Nat.** — Caroli à Linné Systema Naturae, pars. 2. 1792. Gmelin, J. F.
- Syst. Orb. Veg.** — Systema Orbis Vegetalis. Lund. 1825. Fries, E. M.
- Syst. Pilze** — Das System der Pilze und Schwämme. Würzburg. 1816. Nees von Esenbeck, C. G. D.
- Syst. Veg.** — Caroli Linnei Systema Vegetabilium. Editio Decimo Sexta. Gottingae. 1827. Sprengel, K. [P. J.]
- Tent. Disp. Meth. Fung.** — Tentamen Dispositionis Methodicae Fungorum. Lipsiae. 1797. Persoon, C. H.
- Tent. Fl. Germ.** — Tentamen Florae Germanicae. Lipsiae. 1788. Roth, A. W.
- Third Int. Congr. Syst. Ecol. Myxomycetes** — Third International Congress on the Systematics and Ecology of Myxomycetes. ICSEM3. Abstract Volume. Beltsville, Maryland. 1999. S. Stephenson, J. Landolt & V. Owens (Eds.)
- Utkast Sv. Fl.** — Utkast til en Svenska Flora. Upsala. 1792. ed. 2. 1798. Liljebland, S.
- Veg. Crypt.** — Vegetabilia Cryptogama, parts 2. Erlangae. 1790. Hoffmann, G. F.
- Vers. Syst. Mycetozoen** — Versuch eines Systems der Mycetozoen. Strassburg. 1873. Rostafiński, J. T.

APPENDIX III

INDEX OF PERIODICAL ABBREVIATIONS

- Acta Bot. Fennica* — Acta Botanica Fennica. Helsinki.
- Acta Bot. Indica* — Acta Botanica Indica. Meerut.
- Acta Bot. Neerl.* — Acta Botanica Neerlandica. Amsterdam.
- Acta Mycol.* — Acta Mycologica. Warsaw.
- Acta Mycol. Sin.* — Acta Mycologica Sinica. Beijing.
- Acta Soc. Bot. Poloniae* — Acta Societatis Botanicorum Poloniae. Warsaw.
- Akad. Wiss. Wien. Sitzungsber., Math. -Naturwiss* — Akademie der Wissenschaften in Wien. Sitzungsberichte. Mathematisch-Naturwissenschaftliche Klasse. Vienna.
- Amer. J. Bot.* — American Journal of Botany. Lancaster, Pennsylvania.
- Amer. J. Sci. Arts* — American Journal of Sciences and Arts. New Haven, Connecticut.
- Amer. Midl. Naturalist* — American Midland Naturalist. Notre Dame, Indiana.
- Anales Jard. Bot. Madrid* — Anales del Jardín Botánico de Madrid.
- Anales Mus. Nac. Hist. Nat. Buenos Aires* — Anales del Museo Nacional de Historia Natural de Buenos Aires.
- Anales Soc. Ci. Argent.* — Anales de la Sociedad Científica Argentina. Buenos Aires.
- Ann. Bot. (Usteri)* — Annalen der Botanik. ed. Usteri. Zurich.
- Ann. Bot. Fennici* — Annales Botanici Fennici. Helsinki.
- Ann. Lyceum Nat. Hist. New York* — Annals of the Lyceum of Natural History of New York.
- Ann. Mag. Nat. Hist., ser. 1* — Annals and Magazine of Natural History. London.
- Ann. Mycol.* — Annales Mycologici Editi in Notitiam Scientiae Mycologicae Universalis. Berlin.
- Ann. Nat. Hist.* — Annals of Natural History. London.
- Ann. Roy. Bot. Gard. (Peradeniya)* — Annals or the Royal Botanic Gardens. Peradeniya, Ceylon.
- Ann. Sci. Nat. Bot.* — Annales des Sciences Naturelles; Botanique. Paris.
- Ann. Sci. Univ. Jassy* — Annales Scientifiques de l'Université de Jassy. Jassy, Rumania.
- Ann. Soc. Linn. Lyon* — Annales de la Société Linnéenne de Lyon. Lyon.
- Annuaire Conserv. Jard. Bot. Genève* — Annuaire du Conservatoire du Jardin Botaniques de Genève. Geneva.
- Annual Rep. New York State Mus.* — Annual Report or the New York State Museum. [Title varies] Albany, New York.
- Arch. Naturwiss. Landesdurchf. Böhmen* — Archiv für die Naturwissenschaftliche Landesdurchforschung von Böhmen. Cech.
- Ark. Bot.* — Arkiv för Botanik utgivet av K. Svenska Vetenskapsakademien. Stockholm.
- Assoc. Franç. Avancem. Sci. Supp.* — Association Française pour l'Avancement des Sciences. Paris.
- Atti Accad. Sci. Fis.* — Atti dell'Accademia delle Scienze Fisiche e Matematiche. Naples.
- Atti Real Ist. Veneto. Sci. Lett. Arti* — Atti del Reale Istituto Veneto di Scienze, Lettere ed Arti. Venice.
- Atti Soc. Crittog. Ital.* — Atti della Società Crittogamologica Italiana. Milan.
- Beih. Bot. Centralbl.* — Beihefte zum Botanischen Centralblatt. Kassel.
- Beitr. Kenn. Pilze Mitteleurop.* — Beiträge zur Kenntnis der Pilze Mitteleuropas. Schwäbisch Gmünd.
- Ber. Deutsch. Bot. Ges.* — Berichte der Deutschen Botanischen Gesellschaft. Berlin.
- Ber. Schweiz. Bot. Ges.* — Berichte der Schweizerischen Botanischen Gesellschaft. Bulletin de la Société Botanique Suisse. Basel & Geneva.
- Biblioth. Mycol.* — Bibliotheca Mycologica. Vaduz.
- Bidrag Kännedom Finlands Natur Folk* — Bidrag till Kännedom of Finlands Naturoch Folk. [Finska Vetenskaps-societeten] Helsinki.
- Bol. Secr. Agric. (Recife)* — Boletim da Secretaria de Agricultura, Industria e Comércio. Recife. Brazil.
- Bol. Acad. Nac. Ci.* — Boletín de Academia Nacional de Ciencias. Córdoba, Argentina.
- Bol. Soc. Argent. Bot.* — Boletín de la Sociedad Argentina de Botánica. La Plata, Argentina.
- Bol. Soc. Portug. Ci. Nat.* — Boletim da Sociedade Portuguesa de Ciencias Naturais. Lisbon.
- Boletus* — Boletus.
- Bot. Gaz. (London)* — Botanical Gazette. London.
- Bot. Jahresber. (Just)* — Botanischer Jahresbericht [Edited by L. Just]. Berlin.
- Bot. Mag. (Römer & Usteri)* — Botanisches Magazin [Edited by Römer & Usteri]. Zurich.
- Bot. Mag. (Tokyo)* — Botanical Magazine. Tokyo.
- Bot. Not.* — Botaniska Notiser. Lund.

- Bot. Tidsskr.** — Botanisk Tidsskrift. Copenhagen.
- Bot. Zeitung (Berlin)** — Botanische Zeitung. Berlin.
- Brittonia** — Brittonia. New York.
- Brotéria Ci. Nat.** — Brotéria: Ciências Naturais. Lisbon.
- Brotéria, Sér. Bot.** — Brotéria, série Botânica. Lisbon.
- Bull. Acad. Polon. Sci., Sér. Sci. Biol.** — Bulletin de l'Académie Polonaise des Sciences. Série des Sciences Biologiques. Warsaw.
- Bull. Brit. Mycol. Soc.** — Bulletin of the British Mycological Society. London.
- Bull. Buffalo Soc. Nat. Sci.** — Bulletin of the Buffalo Society of Natural Sciences. Buffalo, New York.
- Bull. Féd. Mycol. Dauphiné-Savoie** — Bulletin Trimestriel de la Fédération Mycologique Dauphiné-Savoie. Ville-la-Grand.
- Bull. Inst. Jamaica, Sci. Ser.** — Bulletin of the Institute of Jamaica. Science series. Kingston, Jamaica.
- Bull. Iowa Univ. Lab. Nat. Hist.** — Bulletin of Iowa University's Laboratories of Natural History. Iowa City. Iowa.
- Bull. Jard. Bot. Belg.** — Bulletin del Jardin Botanique National de Belgique. Brussels.
- Bull. Natl. Sci. Mus., Tokyo, B** — Bulletin of the National Science Museum, Tokyo, Series B (Botany). Tokyo.
- Bull. Soc. Bot. Genève** — Bulletin de la Société Botanique de Genève. Geneva.
- Bull. Soc. Hist. Nat. Afrique N.** — Bulletin de la Société d'Histoire Naturelle de l'Afrique du Nord. Algiers.
- Bull. Soc. Linn. Normandie** — Bulletin de la Société Linnéenne de Normandie. Caen.
- Bull. Soc. Mycol. France** — Bulletin de la Société Mycologique de France. Paris.
- Bull. Soc. Philom. (Paris)** — Bulletin de la Société Philomatique de Paris. Paris.
- Bull. Soc. Roy. Bot. Belgique** — Bulletin de la Société Royale de Botanique de Belgique. Brussels.
- Bull. Soc. Sc. Skoplje** — ?
- Bull. Soc. Sci. Nat. Ouest France** — Bulletin de la Société des Sciences Naturelles de l'Ouest de la France. Nantes.
- Bull. Soc. Vaud. Sci. Nat.** — Bulletin de la Société Vaudoise des Sciences Naturelles. Lausanne.
- Bull. Torrey Bot. Club** — Bulletin of the Torrey Botanical Club. Lancaster, Pennsylvania.
- Bull. Washburn Lab. Nat. Hist.** — Bulletin of the Washburn Laboratory of Natural History [Washburn college]. Topeka, Kansas.
- Canad. J. Bot.** — Canadian Journal of Botany. Ottawa.
- Carolinea** — Carolinea. Karlsruhe.
- Česká Mykol.** — Česká Mykologie. Prague.
- Colorado Coll. Stud. Sci. Ser.** — Colorado College Studies. Science Series. Colorado Springs, CO.
- Contr. Biol. Lab. Chin. Assoc. Advancem. Sci.** — Contributions from the Biological Laboratory of the Chinese Association for the Advancement of Science. Nanking.
- Contr. Inst. Antart. Argent.** — Contribuciones del Instituto Antártico Argentino. Buenos Aires.
- Contr. U. S. Natl. Herb.** — Contributions from the United States National Herbarium. Smithsonian Institution. Washington, D. C.
- Cryptog. Mycol.** — Cryptogamie - Mycologie. Paris.
- Curr. Sci.** — Current Science. Bangalore, India.
- Doc. Mycol.** — Documents Mycologiques. Paris.
- Dusenía** — Dusenía. Curitiba.
- Essex Naturalist** — Essex Naturalist. Buckhurst Hill [= Chigwell in part], England.
- Flora** — Flora order (Allgemeine) Botanische Zeitung. Regensburg.
- Folia Crypt.** — Folia Cryptogamica. Szeged, Hungary & Kolosvar [= Cluj, Rumania].
- Forh. Vidensk. -Selsk. Kristiania** — Forhandlinger i Videnskabs-Selskabet i Kristiania. Christiania.
- Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesammten Naturk.** — Der Gesellschaft Naturforschender Freunde zu Berlin Magazin für die Neuesten Entdeckungen in der Gesammten Naturkunde. Berlin.
- Grevillea** — Grevillea. London.
- Hedwigia** — Hedwigia. Dresden.
- Hikobia** — Hikobia. Hiroshima.
- Hooker's J. Bot. Kew Gard. Misc.** — Hooker's Journal of Botany and Kew Garden Miscellany. London.
- Indian Phytopathol.** — Indian Phytopathology. New Delhi.
- Int. J. Mycol. Lichenol.** — International Journal of Mycology and Lichenology. Brunswick.
- Israel J. Bot.** — Israel Journal of Botany. Jerusalem.
- Izv. Akad. Nauk Kirgizsk. SSR, Ser. Biol. Nauk** — Izvestija Akademii Nauk Kirgizskoj SSR. Serija Biologiceskih Nauk. Frunze, Kirghiz SSR.
- J. Bot.** — Journal of Botany, British and Foreign. London.
- J. Bot. (Desvaux)** — Journal de Botanique, Rédigé par une Société de Botanistes (Edited by Desvaux). Paris.
- J. Bot. (Morot)** — Journal de Botanique. [Edited by L. Morot]. Paris.
- J. Bot. (Schrader)** — Journal für die Botanik [Edited by H. A. Schrader]. Göttingen.
- J. Chosen Nat. Hist. Soc.** — Journal of the Chosen Natural History Society. [Chosen Hakubutsu Gakkai Zasshi]. Seoul?, Korea.
- J. Cincinnati Soc. Nat. Hist.** — Journal of the Cincinnati Society of Natural History. Cincinnati, Ohio.
- J. Dept. Sci. Univ. Calcutta** — Journal of the Department of Science of Calcutta University. Calcutta.
- J. Indian Bot. Soc.** — Journal of the Indian Botanical Society. Madras.
- J. Jap. Bot.** — Journal of Japanese Botany. Tokio.
- J. Linn. Soc., Bot.** — Journal of the Linnean Society. Botany. London.

- J. Mycol.* — Journal of Mycology. Columbus, Ohio.
- J. Phys. Chim. Hist. Nat. Arts* — Journal de Physique, de Chimie, d'Histoire Naturelle et des Arts. Paris.
- J. Roy. Microscop. Soc. London* — Journal of the Royal Microscopical Society of London.
- J. Sci. Hiroshima Univ., Ser. B, Div. 2, Bot.* — Journal of the Science of Hiroshima University: Series B, Division 2 (Botany). Hiroshima.
- J. Wash. Acad. Sci.* — Journal of the Washington Academy of Sciences. Baltimore, Maryland.
- Jahrb. Gewächsk.* — Jahrbücher der Gewächskunde. Berlin & Leipzig.
- Jahrb. Nassauischen Vereins Naturk.* — Jahrbücher des Nassauischen Vereins für Naturkunde. Wiesbaden.
- Jahrb. Wiss. Bot.* — Jahrbücher für Wissenschaftliche Botanik. Berlin.
- Karstenia* — Karstenia. Helsinki.
- Kavaka* — Kavaka. Madras.
- Kew Bull.* — Kew Bulletin. Kew, England.
- Kongl. Svenska Vetenskapsakad. Handl.* — Kongl. Svenska Vetenskapsakademiens Handlingar. Stockholm.
- Kosmos (Lvov)* — Kosmos. Lvov, Galicia [Ukrainian].
- Kosmos, Ser. A, Biol. (Warsaw)* — Kosmos. Ser. A: Biology. Warsaw.
- Libri Botanici* — Libri Botanici. Eching.
- Linnaea* — Linnaea. Berlin.
- Lloydia* — Lloydia. Cincinnati, Ohio.
- London J. Bot.* — London Journal of Botany. London.
- Lotos* — Lotos. Prague.
- Madroño* — Madroño: Journal of the California Botanical Society. Berkeley, California.
- Mag. Naturvidensk.* — Magazin for Naturvidenskaberne. Christiania [= Oslo, Norway].
- Mag. Zool. Bot.* — Magazin of Zoology and Botany. Edinburgh.
- Maharashtra Vidnyan Mandir Patrika* — Maharashtra Vidnyan Mandir Patrika. Poona.
- Michelia* — Michelia. Padua.
- Mikol. Fitopatol.* — Mikologiya i Fitopatologiya. Leningrad.
- Misc. Zool. Sumatr.* — Miscellanea Zoologica Sumatrana.
- Mitt. Arbeitsgem. Pilzk. Niederrhein* — ?.
- Mitt. Naturwiss. Ges. Winterthur* — Mitteilungen des Naturwissenschaftlichen Gesellschaft in Winterthur. Winterthur, Switzerland.
- Mitt. Naturwiss. Vereines Steiermark* — Mitteilungen des Naturwissenschaftlichen Vereines für Steiermark. Graz.
- Mycol. Res.* — Mycological Research. Cambridge.
- Mycologia* — Mycologia. Lancaster, Pennsylvania.
- Mycopath. Mycol. Appl.* — Mycopathologia et Mycologia Applicata. The Hague.
- Mycosystema* — Mycosystema. Annual report of Systematics Mycology & Lichenology Laboratory. Beijing.
- Mycotaxon* — Mycotaxon. Ithaca, New York.
- Mykol. Hefte* — Mykologisches Hefte. Leipzig.
- Mém. Acad. Malgache* — Mémoires de l'Académie Malgache. Tanavive, Madagascar.
- Mém. Soc. Linn. Paris* — Mémoires de la Société Linnéenne de Paris. Paris.
- Natuur-Geneesk. Arch. Ned.-Indië* — Natuur- en Geneeskunding Archief voor Nederlandsch-Indië. Batavia, Dutch E. Indies.
- Ned. Kruidk. Arch.* — Nederlandsch Kruidkundig Archief. Amsterdam.
- Neues J. Bot.* — Neues Journal für die Botanik. [Edited by Schrader]. Erfurt.
- Neues Mag. Bot.* — Neues Magazin für die Botanik. Zurich.
- New York State Mus. Bull.* — New York State Museum Bulletin. Albany, New York.
- Nordic J. Bot.* — Nordic Journal of Botany. Copenhagen.
- Norweg. J. Bot.* — Norwegian Journal of Botany. Oslo.
- Not. Sällsk. Fauna Fl. Fenn. Förh.* — Notiser ur Sällskapet pro Fauna et Flora Fennica Förhandlingar. Helsinki.
- Novosti Sist. Nizsh. Rast.* — Novosti Sistemati Nizshikh Rastenii (=Novitates Systematicae Plantarum non Vascularium). Moscow & Leningrad.
- Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur.* — Nova Acta Physico-Medica Academiae Caesariae Leopoldino-Carolinae Naturae Curiosorum. Erlangen.
- Nova Hedwigia* — Nova Hedwigia. Weinheim, Germany.
- Növényvéd Közl.* — Növényvéd Közlöny. Budapest.
- Oesterr. Bot. Z.* — Oesterreichische Botanische Zeitschrift. Vienna.
- Oesterr. Z. Pilzk.* — Oesterreichische Zeitschrift für Pilzkunde.
- Philipp. J. Sci.* — Philippine Journal of Science. Manila.
- Polska Akad. Umiejetn.* — Polska Akademia Umiejetnosci. Cracow.
- Proc. & Trans. Nova Scotian Inst. Sci.* — Proceedings and Transactions of the Nova Scotian Institute of Science. Halifax, Nova Scotia.
- Proc. Acad. Nat. Sci. Philadelphia* — Proceedings of the Academy of Natural Sciences of Philadelphia. Philadelphia, Pennsylvania.
- Proc. Amer. Acad. Arts* — Proceedings of the American Academy of Arts and Sciences. Boston, Mass.
- Proc. Birmingham Nat. Hist. Philos. Soc.* — Proceedings of the Birmingham Natural History and Microscopical Society. Birmingham, England.
- Proc. Imp. Acad. Japan* — Proceedings of the (Imperial) Academy of Japan. Tokyo.
- Proc. Indian Natl. Sci. Acad., B* — Proceedings of the Indian National Science Academy. Prt. B, Biological Sciences. New Delhi.
- Proc. Iowa Acad. Sci.* — Proceedings of the Iowa Academy of Science. Brookville, Indiana.

- Proc. Kon. Ned. Akad. Wetensch.* — Proceedings, Konienklijke Nederlandse Akademie van Wetenschappen. Amsterdam.
- Proc. Kon. Ned. Akad. Wetensch., C.* — Proceedings, Konienklijke Nederlandse Akademie van Wetenschappen. Series C, Biological and Medical Sciences. Amsterdam.
- Proc. Linn. Soc. London* — Proceedings of the Linnean Society of London. London.
- Proc. Natl. Sci. Council Republ. China, B* — Proceedings of the National Science Council, ROC, Part B: Life Sciences.
- Proc. Roy. Irish Acad.* — Proceedings of the Royal Irish Academy. Dublin.
- Quart. J. Microscop. Sci.* — Quarterly Journal of Microscopical Science. London.
- Rep. (Annual) Environm. Sci. Inst. Mie Pref.* — Report of the Environmental Science. Mie Univ.
- Rev. Mycol. (Toulouse)* — Revue de Mycologie. Toulouse.
- Revista Fac. Agron. Univ. Nac. La Plata* — Revista de la Facultad de Agronomía de la Universidad de La Plata. La Plata, Argentina.
- Rivista Micol.* — Rivista di Micologia. Trento.
- Rozpr. Spraw. Posiedzen Wydz. Mat.-Przyr. Akad. Umiejtn* — Rozprawy i Sprawozdania z Posiedzen Wydziału Matematyczno-Przyrodniczego Akademii Umiejtności. Cracow.
- Ruizja* — Ruizia. Madrid.
- Samml. Phys. Naturgesch.* — Sammlungen zur Physik und Naturgeschichte von Einigen Liebhabern Dieser Wissenschaften. Leipzig.
- Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy* — Sborník Národního Musea v Praze. Řada B: Přírodní Vědy (Přírodovědný) Prague.
- Schriften Naturf. Ges. Leipzig* — Schriften der Naturforschenden Gesellschaft zu Leipzig. Leipzig.
- Schriften Naturwiss. Vereins Schleswig-Holstein* — Schriften des Naturwissenschaftlichen Vereins für Schleswig-Holstein. Kiel.
- Science* — Science. Lancaster, Pennsylvania.
- Sist. Zametki Mater. Gerb. Krylova Tomsk. Gosud. Univ. Kujbyševa* — Sistema-tičeskie Zametki po Materialam Gerbarii imeni P. N. Krylova pri Tomskom Gosudarstvennon Universitete imeni V. V. Kujbyševa. Tomsk, Russia.
- Sitzungsber. Kaiserl. Akad. Wiss., Math.-Naturwiss. Cl., Abt. I* — Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Classe. Abteilung I. Vienna.
- Soc. Hist. Nat. Pays Montbéliard* — Société d'Histoire Naturelle du Pays de Montbéliard.
- Sporov. Rast. Srednei Azii Kazakhst.* — Sporovye Rasteniya Srednei Azii i Kazakhstana —
- Spraw. Komis. Fizjogr.* — Sprawozdanie Komisji Fizjograficznej. Cracow.
- Stud. Cercet. Biol. (Bucharest), Ser. Biol. Veg.* — Studii si Cercetari de Biologie. Bucharest.
- Stud. Nat. Hist. Iowa Univ.* — Studies in Natural History; Iowa University. Iowa City, Iowa.
- Svensk Bot. Tidskr.* — Svensk Botanisk Tidskrift Utgifven af Svenska Botaniska Föreningen. Stockholm.
- Sydowia* — Sydowia. Horn, Austria.
- Taiwania* — Taiwan. Taipei, Taiwan.
- Taxon* — Taxon. Utrecht.
- Trans. Amer. Microscop. Soc.* — Transactions of the American Microscopical Society. Buffalo, New York.
- Trans. Amer. Philos. Soc.* — Transactions of the American Philosophical Society. Philadelphia, Pennsylvania.
- Trans. Brit. Mycol. Soc.* — Transactions of the British Mycological Society. Worcester, England.
- Trans. Linn. Soc. London* — Transactions of the Linnean Society of London. London.
- Trans. Mycol. Soc. Japan* — Transactions of the Mycological Society of Japan. Tokyo.
- Verh. Bot. Vereins Prov. Branderburg* — Verhandlungen des Botanischen Vereins für die Provinz Brandenburg und die Angrenzenden Länder. Berlin.
- Verh. Naturhist. Vereines Preuss. Rheinl.* — Verhandlungen des Naturhistorischen Vereines des Preussischen Rheinlands und Westphalens. Bonn.
- Verh. Naturwiss. Vereins Hamburg* — Verhandlungen des Naturwissenschaftlichen Vereins in Hamburg. Hamburg.
- Verh. Zool.-Bot. Ges. Wien* — Verhandlungen der Zoologisch-Botanischen Gesellschaft in Wien. Vienna.
- Z. Mykol.* — Zeitschrift für Mykologie. Tübingen, Karlsruhe.
- Z. Wiss. Zool.* — Zeitschrift für Wissenschaftliche Zoological. Zurich.

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<i>elongata</i> Bong. Ex Berl. —	90
<i>enermis</i> Minakata & Koaze —	90
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<i>fonsecae</i> Hertel —	90
<i>forstneri</i> Brândză —	90
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<i>globosa</i> Schwein. — <i>Arcyria globosa</i>	13, 15
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<i>grisea</i> Opiz —	90
<i>gulielmae</i> Nann.-Bremek. — <i>Arcyria minuta</i>	14
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