Annotated list of taxonomic novelties of fungi and lichens published in "Plantae cryptogamicae quas in Arduenna collegit M. A. Libert" Fasc. 1 and 2 issued in 1830 and 1832

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Abstract: Braun, U. & Bensch, K. 2022: Annotated list of taxonomic novelties of fungi and lichens published in "Plantae cryptogamicae quas in Arduenna collegit M. A. Libert" Fasc. 1 and 2, issued in 1830 and 1832. Schlechtendalia **39**: 64–90.

New taxa and new combinations published by M. A. Libert in "Plantae cryptogamicae quas in Arduenna collegit M. A. Libert" Fasc. 1 to 2 in 1830 and 1832 are listed and annotated. References, citations and the synonymies are corrected when necessary. The combinations *Asteromella libertiae* and *Coronophora tulasnei* are introduced, and the combination *Sphaerulina cornicola* is validated.

Zusammenfassung: Braun, U. & Bensch, K. 2022: Kommentierte Liste taxonomischer Neuheiten von Pilzen und Flechten publiziert in „Plantae cryptogamicae quas in Arduenna collegit M. A. Libert" Fasz. 1 und 2, herausgegeben 1830 und 1832". Schlechtendalia **39**: 64–90.

Neue Taxa und Kombinationen publiziert von M. A. Libert in "Plantae cryptogamicae quas in Arduenna collegit M. A. Libert" Fasz. 1 bis 2 herausgegeben 1830 und 1832 werden aufgelistet und annotiert. Referenzangaben, Zitate und Synonymien werden korrigiert falls notwendig. Die Kombinationen *Asteromella libertiae* und *Coronophora tulasnei* werden eingeführt und die Kombination *Sphaerulina cornicola* wird validiert.

Key words: Mycota, nomenclature, exsiccata, protologue.

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Introduction

Marie-Anne Libert (1782–1865) was a Belgian botanist, born and deceased in Malmédy (Anonymous, Botanische Zeitung 23: 108, 1865). Between 1830 and 1837, she issued four fascicles of the exsiccata "Plantae cryptogamicae quas in Arduenna collegit M. A. Libert" [Leodii (Liège)], which contains algae, fungi, lichens and mosses. The specimens distributed in this exsiccata were collected in the Ardennes (Forest of Ardennes), a region mainly located in the south east of Belgium (Wallonia), and to a smaller extent in Luxembourg (Ösling) and France (Département Ardennes). Precise locations are not given on the labels. However, it is to be expected that most collections originate from the region around Malmédy, a city and municipality of Wallonia located in the province of Liège, Belgium. This exsiccata was distributed in bound book form with printed labels. Numerous taxonomic novelties are included, mostly new species or new combinations. New taxa published in "Pl. Crypt. Arduenna" are accompanied by (mostly brief) Latin descriptions, i.e., they are valid, according to ICN, Art. 30.8 (Ex. 12). In fasc. 1, Libert cited "N." (= nob., nobis, to us), after all taxonomic novelties, which refers to her own name, since this exiccata does not have co-authors and all specimens were collected by Libert herself. New taxa and new combinations published in fasc. 2 must also be ascribed to Libert, although they were distributed without adding "N." or her name. Pfister (1985) provided basic data for "Plantae cryptogamicae quas in Arduenna collegit M. A. Libert", supplemented by lists of fungi included in the particular fascicles, with references to taxonomic novelties published in this exsiccata. Fasc. 1 and 2 are maintained in herbarium HAL in the original bound book form. The following list contains taxonomic novelties published in fasc. 1 and 2 of this exsiccata, together with copies of the original labels.

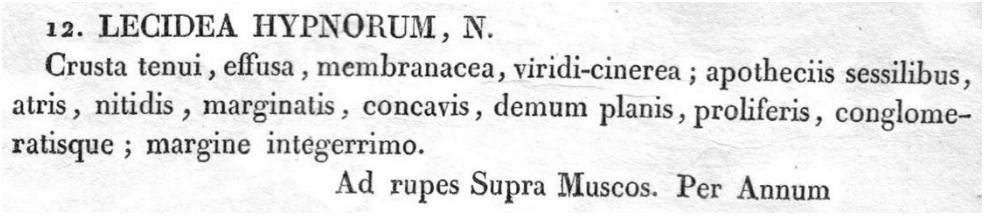
It is necessary to discuss Libert's general taxonomic and nomenclatural approach, which is relevant for the interpretation of some of the introduced new names. Libert provided direct bibliographic references for older species names in cases of identifications of her distributed collections. In these cases, Libert did not add descriptions on the labels or occasionally at most brief remarks to morphological features under notes. New species and new combinations are always supplemented by descriptions. In cases of new combinations, Libert cited the basionym and used the same epithet. However, in a number of cases Libert published new species names, added a description, but cited a single or several older names, sometimes with question mark, but not always. At first glance, these names (without question mark) could be interpreted to be superfluous, illegitimate names (Art. 52.1). However, in this context of Libert's taxonomic-nomenclatural approach, the names concerned are

undoubtedly valid and legitimate. Libert intended to introduce new species, and the cited names were not meant to be taxonomic (nomenclatural) synonyms, but either referred to other morphs or were cited in the sense of "p.p.", reflection Libert's uncertains with regard to the synonymy of the names concerned.

Annotated list of taxa

Fasc. 1

Lecidea hypnorum Lib., Pl. Crypt. Arduenna, Fasc. 1, no. 12, 1830.
≡ *Mycobilimbia hypnorum* (Lib.) Kalb & Hafellner, in Wirth, Die Flecht. Baden-Württembergs. Verbreitungsatlas: 511, 1987.
≡ ***Bryobilimbia hypnorum*** (Lib.) Fryday, Printzen & S. Ekman, Lichenologist **46**(1): 31, 2014.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 12 (fig. 1). Vězda (1974) designated the specimen in PRA as lectotype of this species.



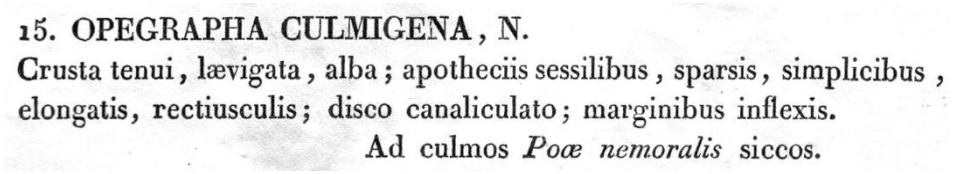
12. LECIDEA HYPNORUM, N.

Crusta tenui, effusa, membranacea, viridi-cinerea; apotheciis sessilibus, atris, nitidis, marginatis, concavis, demum planis, proliferis, conglomeratisque; margine integerrimo.

Ad rupes Supra Muscos. Per Annum

Fig. 1

Opegrapha culmigena Lib., Pl. Crypt. Arduenna, Fasc. 1, no. 15, 1830.
≡ ***Alyxoria culmigena*** (Lib.) Ertz, Bull. Soc. Naturalistes Luxemb. 113: 105, 2012.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 15 (fig. 2).



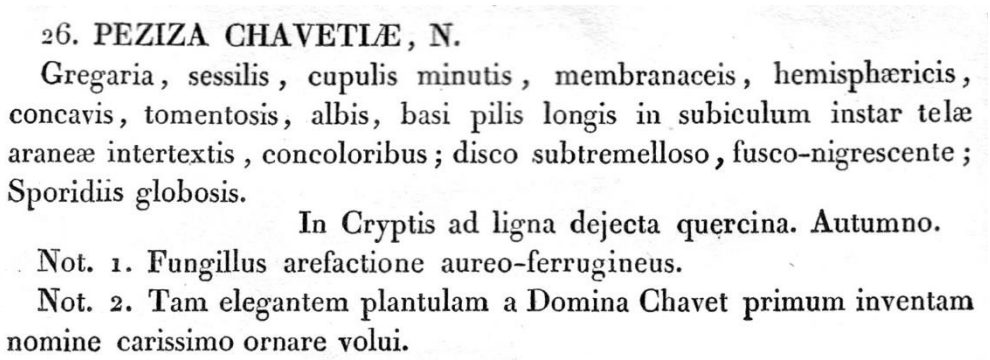
15. OPEGRAPHA CULMIGENA, N.

Crusta tenui, lævigata, alba; apotheciis sessilibus, sparsis, simplicibus, elongatis, rectiusculis; disco canaliculato; marginibus inflexis.

Ad culmos *Poæ nemoralis* siccos.

Fig. 2

Peziza chavetiae Lib., Pl. Crypt. Arduenna, Fasc. 1, no. 26, 1830.
= *Peziza caesia* Pers., Syn. meth. fung. **2**: 657, 1801.
≡ ***Eriopezia caesia*** (Pers.) Rehm [as "*Eriopeziza*"], Rabenh. Krypt.-Fl., Ed. 2, **1**.3(Lief. 38): 695, 1892.
[Full synonynym, see: http://www.indexfungorum.org/names/NamesRecord.asp?RecordID=172091; https://www.mycodb.fr/fiche.php?genre=Eriopezia&espece=caesia; https://www.mycobank.org/MB/232718]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 26 (fig. 3). Synonymy, see Korf (1951).



26. PEZIZA CHAVETIÆ, N.

Gregaria, sessilis, cupulis minutis, membranaceis, hemisphæricis, concavis, tomentosis, albis, basi pilis longis in subiculum instar telæ araneæ intertextis, concoloribus; disco subtremelloso, fusco-nigrescente; Sporidiis globosis.

In Cryptis ad ligna dejecta quercina. Autumno.

Not. 1. Fungillus arefactione aureo-ferrugineus.

Not. 2. Tam elegantem plantulam a Domina Chavet primum inventam nomine carissimo ornare volui.

Fig. 3

Peziza neglecta Lib., Pl. Crypt. Arduenna, Fasc. 1, no. 29, 1830.
≡ *Calloria neglecta* (Lib.) B. Hein, Willdenowia Beiheft **9**: 54, 1976.
= *Tremella sepincola* [β] Willd., Bot. Mag. (Roemer & Usteri) **2**: 18, 1788.
≡ *Cylindrocolla sepincola* (Willd.) Bonord. ("*saepincola*"), Abh. Naturf. Ges. Halle **8**: 116, 1864.
≡ *Tremella urticae* Pers., Syn. meth. fung. **2**: 628, 1801.
≡ *Tremella miniata* Rebent., Prodr. fl. neomarch: 284, 1804, nom. illeg. (superfl.), Art. 52.1.
≡ *Dacrymyces urticae* (Pers.) Mart., Fl. crypt. erlang.: 368, 1817 [nom. sanct. (Fries, Syst. mycol. **2**(1): 231, 1822].
≡ *Cylindrocolla urticae* (Pers.) Bonord., Handb. Allgem. Mykol.: 149, 1851.
≡ *Calloria urticae* (Pers.) J. Schroet., in Cohn, Krypt.-Fl. Schlesien **3**(2): 121, 1893.
= *Fusarium tremelloides* Grev., Scottish Cryptogamic Flora **1**: 10, 1822 [nom. sanct. (Fries, Syst. mycol. **3**(2): 470, 1832].
≡ ***Calloria tremelloides*** (Grev.) L. Lombard, Stud. Mycol. **98** (no. 100116): 168, 2021.
= *Peziza fusarioides* Berk., Mag. Zool. Bot. **1**: 46, 1837.
≡ *Calloria fusarioides* (Berk.) Fr., Summa veg. Scand. **2**: 359, 1849.
≡ *Mollisia fusarioides* (Berk.) Gillet, Champ. France Discomyc. (5): 120, 1882.
≡ *Callorina fusarioides* (Berk.) Korf, Phytologia **21**(4): 203, 1971.
[Synonyny, see: https://www.mycodb.fr/fiche.php?genre=Calloria&espece=neglecta; https://www.mycobank.org/MB/837723]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 29 (fig. 4). The nomenclature of *Calloria urticae* is confusing. *Dacrymyces urticae* as well as *Fusarium tremelloides* are sanctioned names. However, Fries (1832) gave preference to the latter name and cited *Dacrymyces urticae* as synonym. The name "*Dacrymyces urticae* Corda" (1838: 32) does not exist. Corda (l.c.) cited *Dacrymyces urticae*, but he neither intended to introduce a new species nor a combination. He referred to *Dacrymyces urticae* in Fries (1822) and cited *Tremella urticae* Pers. as synonym. Therefore, *Cylindrocolla urticae* (Pers.) Bonord. must be considered a combination based on *Tremella urticae*, introduced by indirect reference to *Tremella urticae* via Fries (1822), although Bonorden (1851) only provided a reference to "*Dacrymyces urticae* Corda" (1838: 32).

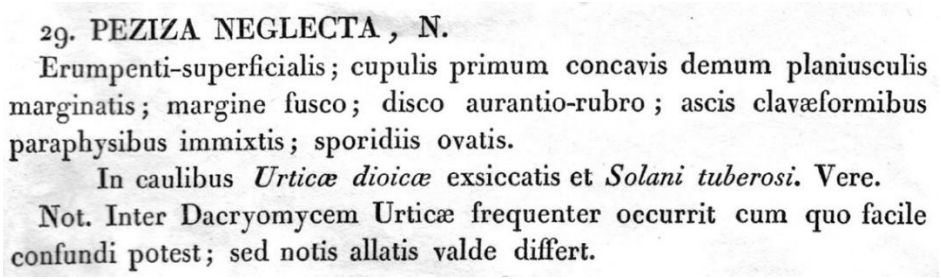

29. PEZIZA NEGLECTA, N.
Erumpenti-superficialis; cupulis primum concavis demum planiusculis marginatis; margine fusco; disco aurantio-rubro; ascis clavæformibus paraphysibus immixtis; sporidiis ovatis.
In caulibus *Urticæ dioicæ* exsiccatis et *Solani tuberosi*. Vere.
Not. Inter Dacryomycem Urticæ frequenter occurrit cum quo facile confundi potest; sed notis allatis valde differt.

Fig. 4

Acrospermum graminum Lib., Pl. Crypt. Arduenna, Fasc. 1, no. 33, 1830.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 33 (fig. 5).

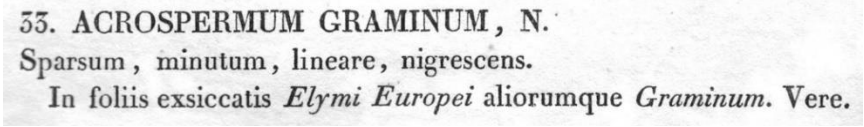
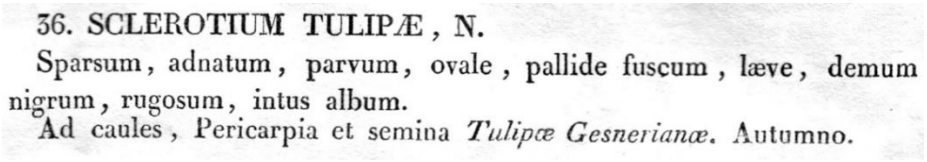

33. ACROSPERMUM GRAMINUM, N.
Sparsum, minutum, lineare, nigrescens.
In foliis exsiccatis *Elymi Europei* aliorumque *Graminum*. Vere.

Fig. 5

Sclerotium tulipae Lib., Pl. Crypt. Arduenna, Fasc. 1, no. 36, 1830.
≡ ***Botrytis tulipae*** (Lib.) Lind, Danish Fungi: [650], 1913.
= *Botrytis parasitica* Cavara, Atti Ist. Bot. R. Univ. Pavia, 2 Sér., **1**: 432, 1888, nom. illeg. (Art. 53.1), non Pers., 1796.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 36 (fig. 6). It is the sclerotial stage of *Botrytis tulipae*. Lind (1913: [650], Errata) realized that *Botrytis parasitica* Cavara being a younger homonym and introduced the name *B. tulipae*. It is not unequivocal if this name was meant to be a replacement name or combination based on *Sclerotium tulipae*.

However, the two names are based on asexual morphs, so that, according to the current Code, Lind's name should and must be considered a combination based on Libert's name.



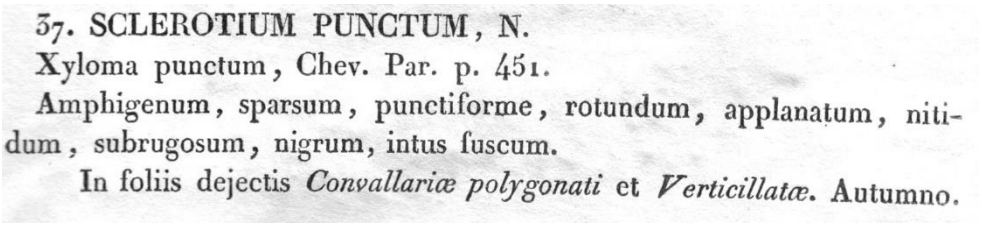
36. SCLEROTIUM TULIPÆ, N.

Sparsum, adnatum, parvum, ovale, pallide fuscum, læve, demum nigrum, rugosum, intus album.

Ad caules, Pericarpia et semina *Tulipæ Gesnerianæ*. Autumno.

Fig. 6

Sclerotium punctum (Chevall.) Lib., Pl. Crypt. Arduenna, Fasc. 1, no. 37, 1830.
≡ *Xyloma punctum* Chevall., Fl. gén. env. Paris **1**: 451, 1826.
≡ *Rhytisma punctum* (Chevall.) Sacc., Syll. fung. **8**: 763, 1889.
Notes: This is a new combination validly published on the label of Lib., Pl. Crypt. Arduenna 37 (fig. 7).



37. SCLEROTIUM PUNCTUM, N.

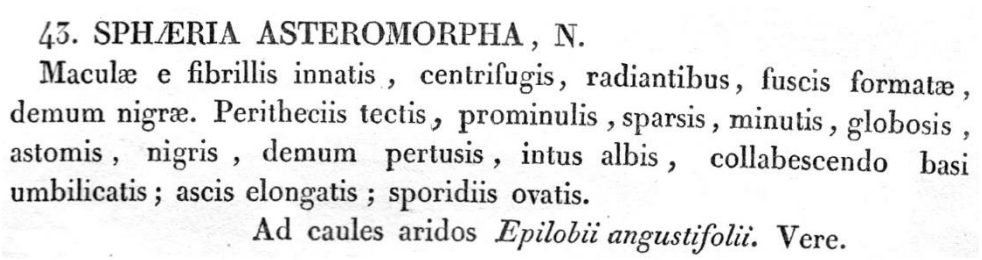
Xyloma punctum, Chev. Par. p. 451.

Amphigenum, sparsum, punctiforme, rotundum, applanatum, nitidum, subrugosum, nigrum, intus fuscum.

In foliis dejectis *Convallariæ polygonati* et *Verticillatæ*. Autumno.

Fig. 7

Sphaeria asteromorpha Lib., Pl. Crypt. Arduenna, Fasc. 1, no. 43, 1830.
≡ ***Venturia asteromorpha*** (Lib.) E. Müll., Sydowia **11**(1-6): 86, 1958.
= *Dothidea epilobii* Fr., Syst. Mycol. 2: 559, 1823, nom. sanct., [non *Venturia epilobii* (Desm.) Höhn., 1918]
≡ *Asteroma epilobii* (Fr.) Fr., Summa veg. Scand., Sectio Post.: 425, 1849.
≡ *Euryachora epilobii* (Fr.) Höhn., Sitzungsber. Akad. Wiss. Wien, Math.-naturw. Kl., Abt. 1, **128**(7-8): 605, 1919.
≡ *Spilosticta epilobii* (Fr.) Petr., Ann. Mycol. **39**(4/6): 301, 1941.
= *Asterina epilobii* Desm., Bull. Soc. Bot. France **4**: 914, 1857.
≡ *Venturia epilobii* (Desm.) Höhn., Ann. Mycol. **16**(1/2): 80, 1918.
= *Monascostroma epilobii* Bat., Maia & Peres, Publicações Inst. Micol. Recife **284**: 12, 1960.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 43 (fig. 8). Taxonomy, synonymy, description and illustration, see Sivanesan (1977: 40–41).



43. SPHÆRIA ASTEROMORPHA, N.

Maculæ e fibrillis innatis, centrifugis, radiantibus, fuscis formatæ, demum nigræ. Peritheciis tectis, prominulis, sparsis, minutis, globosis, astomis, nigris, demum pertusis, intus albis, collabescendo basi umbilicatis; ascis elongatis; sporidiis ovatis.

Ad caules aridos *Epilobii angustifolii*. Vere.

Fig. 8

Ascochyta quercina Lib. [as "*Ascoxyta*"], Pl. Crypt. Arduenna, Fasc. 1, no. 46, 1830.
≡ *Hypoxylon quercinum* (Lib.) J. Kickx f., FI. crypt. Louvain: 113, 1835.
≡ *Aglaospora quercina* (Lib.) Kuntze, Revis. gen. pl. **3**(3): 441, 1898.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 46 (fig. 9). The affinity of this species is unknown. Mel'nik (2000: 137) listed this name as excluded from *Ascochyta*.

46. ASCOXYTA QUERCINA, N.

Erumpens, subrotunda vel elliptica, subconvexa, nigra, epidermide lacerata cincta; stromate nigro; peritheciis immersis, confertis; ostiolis minutissimis, rotundis, depressis; cirrhis albis; ascis elongatis, extremitatibus obtusis, e duplici membrana compositis; sporidiis 6 pellucidis.

Ad corticem *Quercus*. Per annum.

Fig. 9

Ascochyta vaccinii Lib. [as "*Ascoxyta*"], Pl. Crypt. Arduenna, Fasc. 1, no. 47, 1830.
= *Dothidea latitans* Fr., Syst. mycol. **2**(2): 552, 1823, nom. sanct.
≡ *Phyllachora latitans* (Fr.) Sacc., Syll. fung. **2**: 610, 1883.
≡ *Dothiopsis latitans* (Fr.) P. Karst., Hedwigia **23**(1): 20, 1884.
≡ ***Dothiorella latitans*** (Fr.) Sacc., Syll. fung. **3**: 241, 1884.
≡ *Ceuthospora latitans* (Fr.) Grove, J. Bot., Lond. **56**: 314, 1918.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 47 (fig. 10). Synonymy, see Mel'nik (2000: 141).

47. ASCOXYTA VACCINII, N.

Dothidea latitans, Fr. Syst. Myc. 2. p. 552 ?

Erumpens, rotunda, planiuscula, pulvere cinereo obtecta, epidermide lacerata cincta; stromate fusco-atro; peritheciis immersis, confertis; ostiolis minutissimis, globosis; cirrhis albis; ascellis cylindraceis; sporidiis 4 opacis.

Ad folia dejecta *Vaccinii Vitis ideæ*. Æstate.

Fig. 10

Ascochyta fraxini Lib. [as "*Ascoxyta*"], Pl. Crypt. Arduenna, Fasc. 1, no. 48, 1830.
≡ *Dothiorella fraxini* (Lib.) Sacc., Malpighia **2**(1): 19, 1888.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 48 (fig. 11).

48. ASCOXYTA FRAXINI, N.

Sphæria Dothidea, Fr. Syst. Myc. 2. p. 423 ?

Erumpenti-innata, difformis, atra; stromate ambiente effuso; peritheciis erumpentidus, connatis, globosis, papillatis; cirrhis albis; ascis ovatis, e duplici membrana compositis; sporidiis 2-3 pellucidis.

In cortice *Fraxini excelsioris*. Æstate.

Fig. 11

Ascochyta aegopodii (Pers.) Lib. [as "*Ascoxyta*"], Pl. Crypt. Arduenna, Fasc. 1, no. 49, 1830.
≡ *Sphaeria aegopodii* Pers., Ann. Bot. (Usteri) **15**: 17, 1795.
≡ ***Stigmatea aegopodii*** (Pers.) Oudem., Ned. Kruidk. Arch., Sér. 2, **2**: 185, 1876.
[Synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=220676; https://www.mycobank.org/MB/220676.]
Notes: This is a new combination validly published on the label of Lib., Pl. Crypt. Arduenna 49 (fig. 12). According to Mel'nik (2000: 126), the material included in Lib., Pl. Crypt. Arduenna 49 pertains to *Septoria aegopodii* Desm. The nomenclature of this *Septoria* on *Aegopodium* has previously often been confused. Verkley et al. (2013: 238) provided a modern treatment of this species, which was cited as: "*Septoria aegopodii* Desm. ex J. Kickx, Pl. Crypt. Fland. 1: 427. 1876." However, this is not correct because this name was validly published by Desmazières in 1834 on the label of the exsiccatum. The oldest species name of this fungus, *Sphaeria podagrariae*, is not available under *Septoria* due to *Septoria podagrariae* Lasch ex Sacc., which is an illegitimate but validly published name. The name *Rhabdospora podagrariae* has to be ascribed to Kuntze (cited as "(Lasch) Kuntze"),

who published this name with indirect reference to Saccardo's (1884: 529) description. Saccardo (l.c.) added a description for *S. podagrariae* Lasch, but cited *Septoria aegopodii* Desm. as synonym, which rendered this name illegitimate (see Braun 2018). The nomenclature of this species is as follows:
Septoria aegopodii Desm., Pl. Crypt. N. France, Ed. 1: no. 616, 1834.
= *Sphaeria podagrariae* Roth, Catal. Bot. **1**: 230. 1797.
≡ *Sphaeria aegopodii* var. *podagrariae* (Roth) Pers., Syn. meth. fung. **1**: 90, 1801.
≡ *Dothidea podagrariae* (Roth) Fr., Syst. mycol. **2**(2): 556, 1823, nom. sanct.
≡ *Phyllachora podagrariae* (Roth) P. Karst., Bidr. Känn. Finl. Nat. Folk **23**: 228, 1873.
≡ *Oligostroma podagrariae* (Roth) Höhn., Ber. Deutsch. Bot. Ges. **35**: 553, 1917.
≡ *Carlia podagrariae* (Roth) Höhn., Centalbl. Bakt. Parasitenk., Abt. II, **60**: 2, 1923.
≡ *Mycosphaerella podagrariae* (Roth) Petr., Ann. Mycol. **19**(3/4): 203, 1921.
= *Septoria podagrariae* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 5: no. 458, 1843, nom. nud.
≡ *Septoria podagrariae* Lasch ex Sacc., Syll. Fung. **3**: 529, 1884, nom. illeg. (Art. 52.1).
≡ *Rhabdospora podagrariae* Kuntze [as "(Lasch) Kuntze"], Revis. gen. pl. **3**(3): 513, 1898.
≡ *Phyllachora podagrariae* (Kuntze) Traverso [as "(Lasch) Traverso"], in Saccardo & Trotter, Syll. fung. **22**(1): 130, 1913.
≡ *Phloeochora podagrariae* (Kuntze) Höhn. [as "(Lasch) Höhn.)"], Ber. Deutsch. Bot. Ges. **35**(3): 253, 1917.
= *Cryptosporium aegopodii* Preuss, Linnaea **24**: 719, 1853.
≡ *Rhabdospora aegopodii* (Preuss) Kuntze, Revis. gen. pl. **3**(3): 509, 1898.
≡ *Phloeospora aegopodii* (Preuss) Grove, British Stem- and Leaf-fungi (Coelomycetes) **1**: 434, 1935.
≡ *Septoria aegopodii* (Preuss) Sacc., Syll. Fung. **3**: 529, 1884, nom. illeg. (Art. 53.1), non Desm. 1834.
= *Phyllosticta aegopodii* Allesch., Hedwigia **34**: 256, 1895.
≡ *Stictochorella aegopodii* (Allesch.) Höhn. [as "*aegopodia*"], Mitt. Bot. Inst. Tech. Hochsch. Wien **7**(2): 48, 1930.
≡ *Asteromella aegopodii* (Allesch.) Petr., Sydowia **4**(1-6): 25, 1950.
= *Mycosphaerella aegopodii* Potebnia, Ann. Mycol. **8**(1): 49, 1910.
≡ *Sphaerella aegopodii* (Potebnia) Sacc. & Traverso, Syll. fung. **20**: 817, 1911.

49. ASCOXYTA ÆGOPODII, N.
Sphæria Ægopodii, Pers, Syn. p. 89.
Ascospora Ægopodii, Fr. Syst. O. Veg. 1 p. 112.
Epiphylla. Maculis lutescentibus; peritheciis immersis, prominulis, fusco-nigrescentibus, poro apertis; cirrhis albis; ascis linearibus, curvatis; sporidiis 7-9 opacis.
In foliis languescentibus *Ægopodii Podagrariæ*. Autumno.

Fig. 12

Ascochyta heraclei Lib. [as "*Ascoxyta*"], Pl. Crypt. Arduenna, Fasc. 1, no. 51, 1830.
≡ ***Septoria heraclei*** (Lib.) Desm., Pl. Crypt. N. France, Ed. 1, **11**: no. 534, 1831.
[Full synonymy, see: https://www.mycobank.org/MB/211660.]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 51 (fig. 13). Description, illustration and modern treatment, see Verkley et al. (2013: 261–262).

51. ASCOXYTA HERACLEI, N.
Epiphylla. Maculis nullis; peritheciis subsolitariis, innatis, fuscis, ore orbiculari integro apertis; cirrhis albis; ascis longis, fusiformibus, curvatis; sporidiis 9-12 pellucidis.
In foliis languescentibus *Heraclei Sphondylii*. Autumno.

Fig. 13

Ascochyta ulmi (Fr.) Lib. [as "*Ascoxyta*"], Pl. Crypt. Arduenna, Fasc. 1, no. 52, 1830.
≡ *Septaria ulmi* Fr., Novit. fl. svec. 5(cont.): 78, 1819.
≡ *Septoria ulmi* Fr., Elench. fung. **2**: 118, 1828, nom. sanct.
≡ ***Phloeospora ulmi*** (Fr.) Wallr., Fl. crypt. Germ. **2**: 177, 1833.

≡ *Septogloeum ulmi* (Fr.) Died., Krypt.-Fl. Brandenburg **9**(5): 836, 1915.
≡ *Cylindrosporium ulmi* (Fr.) Vassiljevsky, Fungi Imperfecti Parasitici **2**: 580, 1950.
= *Mycosphaerella ulmi* Kleb., Z. Pflanzenkrankh. **12**: [257], 1902.
≡ *Sphaerella ulmi* (Kleb.) Sacc. & D. Sacc., Syll. fung. **17**: 642, 1905.
[Full synonymy, see: https://www.mycobank.org/MB/146563.]
Notes: This is a valid new combination published on the label of Lib., Pl. Crypt. Arduenna 52 (fig. 14).

52. ASCOXYTA ULMI, N.
Stilbospora? Uredo, De Cand, Fl. fr. 6. p. 152.
Septoria Ulmi, Fr. El. fung. 2. p. 118.
Hypophylla. Maculis minutis, fuscis, demum confluentibus; peritheciis innatis, membranaceis, fulvis, ore orbiculari integro late apertis; cirrhis albis; ascis, aliis cylindricis rectis sporidiis 3, aliis longis curvatis sporidiis 5–7; sporidiis pellucidis.
In foliis languescentibus *Ulmi campestris*. Autumno.

Fig. 14

Ascochyta ribis Lib. [as "*Ascoxyta*"], Pl. Crypt. Arduenna, Fasc. 1, no. 53, 1830.
≡ ***Septoria ribis*** (Lib.) Desm., Ann. Sci. Nat., Bot., Sér. 2, **17**: 111, 1842.
≡ *Rhabdospora ribis* (Lib.) Kuntze, Revis. gen. pl. **3**(3): 513, 1898.
[Full synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=433721; https://www.mycobank.org/MB/235166.]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 53 (fig. 15). *Septoria ribis* is the correct name for this species. Amongst the synonyms cited in Index fungorum, there are two older sanctioned names, *Sphaeria grossulariae* Fr., 1823, and *Sph. ribicola* Fr., 1823. However, the two epithets are already preoccupied under *Septoria* by *S. grossulariae* (Lib.) Westend., 1857, and *S. ribicola* Berk. & M.A. Curtis, 1874.

53. ASCOXYTA RIBIS, N.
Hypophylla. Maculis purpurascentibus; peritheciis innatis, fusco-nigrescentibus, ore orbiculari integro apertis; cirrhis albis; ascis longissimis curvatis; sporidiis 12-16, opacis.
In foliis languescentibus *Ribis nigri*. Autumno.

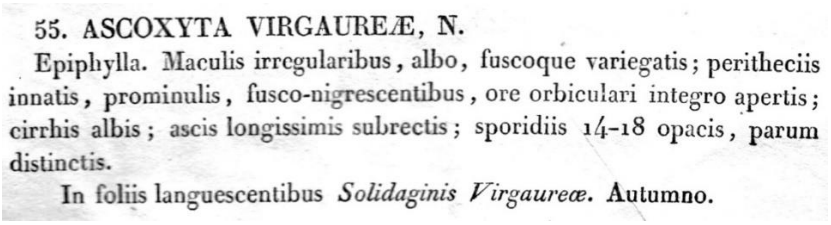
Fig. 15

Ascochyta aceris Lib. [as "*Ascoxyta*"], Pl. Crypt. Arduenna, Fasc. 1, no. 54, 1830.
≡ *Septoria aceris* (Lib.) Berk. & Broome, Ann. Mag. Nat. Hist. Ser. 2, **5**: 379, 1850.
≡ *Phloeospora aceris* (Lib.) Sacc., Syll. Fung. **3**: 577, 1884.
≡ ***Sphaerulina aceris*** (Lib.) Verkley, Quaedvl. & Crous, Stud. Mycol. **75**(1): 294, 2013.
[Full synonymy, see: https://www.mycobank.org/804473; and Verkley et al. 2013: 294]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 54 (fig. 16).

54. ASCOXYTA ACERIS, N.
Hypophylla. Maculis parvis, fuscis; peritheciis innatis, minutis, fuscis, ore orbiculari integro apertis; cirrhis dilute carneis, ascis linearibus, obtusis, rectis; sporidiis 3-4 pellucidis.
In foliis languescentibus *Aceris Pseudoplatani*. Autumno.

Fig. 16

Ascochyta virgaureae Lib. [as "*Ascoxyta*"], Pl. Crypt. Arduenna, Fasc. 1, no. 55, 1830.
≡ ***Septoria virgaureae*** (Lib.) Desm., Ann. Sci. Nat., Bot., Sér. 2, **17**: 109, 1842.
≡ *Rhabdospora virgaureae* (Lib.) Kuntze, Revis. gen. pl. **3**(3): 514, 1898.
[Full synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=181362; https://www.mycobank.org/MB/181362.]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 55 (fig. 17).



55. ASCOXYTA VIRGAUREÆ, N.

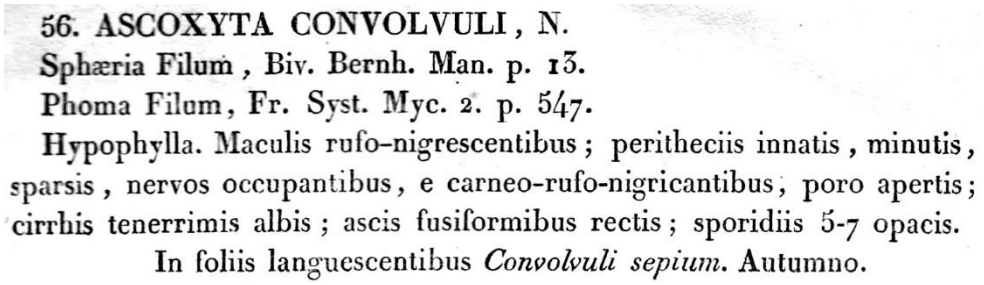
Epiphylla. Maculis irregularibus, albo, fuscoque variegatis; peritheciis innatis, prominulis, fusco-nigrescentibus, ore orbiculari integro apertis; cirrhis albis; ascis longissimis subrectis; sporidiis 14-18 opacis, parum distinctis.

In foliis languescentibus *Solidaginis Virgaureæ*. Autumno.

Fig. 17

Ascochyta convolvuli Lib. [as "*Ascoxyta*"], Pl. Crypt. Arduenna, Fasc. 1, no. 56, 1830.
= ***Septoria convolvuli*** Desm., Ann. Sci. Nat., Bot., Sér. 2, **17**: 108, 1842.]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 56 (fig. 18). Libert (l.c.) cited *Sphaeria filum* and *Phoma filium* in the protologue, but these names were undoubtedly not meant to be synonyms and were used in the sense of "p.p." (*Sphaeria filum* was published with a wide host range, including *Convolvulus sepium*). Therefore, *Ascochyta convolvuli* Lib. can be considered to be legitimate and valid. Mel'nik (2000: 130) examined type material and identified it as *Septoria convolvuli* Desm. However, the name *A. convolvuli* Lib. has nomenclatural consequences for *A. convolvuli* Frautrey, which is, according to Mel'nik (2000: 46), a genuine *Ascochyta* species, with *A. bataticola* as synonym:

Ascochyta bataticola Khokhr. & Dyur., Vrediteli i bolezni batat **I**: 226, 1933.
= *Ascochyta convolvuli* Fautrey, Rev. Mycol. (Toulouse) **17**(68): 167, 1895, nom. illeg. (Art. 53.1).
≡ *Diplodina convolvuli* Allesch. [as "(Fautr.) Allesch."], Rabenh. Krypt.-Fl., Ed. 2, **1**(6): 683, 1900
≡ *Hendersonia convolvuli* (Allesch.) S. Ahmad [as "(Fautr.) S. Ahmad"], Biologia, Lahore **8**(2): 141, 1962.



56. ASCOXYTA CONVOLVULI, N.

Sphæria Filum, Biv. Bernh. Man. p. 13.

Phoma Filum, Fr. Syst. Myc. 2. p. 547.

Hypophylla. Maculis rufo-nigrescentibus; peritheciis innatis, minutis, sparsis, nervos occupantibus, e carneo-rufo-nigricantibus, poro apertis; cirrhis tenerrimis albis; ascis fusiformibus rectis; sporidiis 5-7 opacis.

In foliis languescentibus *Convolvuli sepium*. Autumno.

Fig. 18

Ascochyta chelidonii Lib. [as "*Ascoxyta*"], Pl. Crypt. Arduenna, Fasc. 1, no. 57, 1830.
≡ ***Septoria chelidonii*** (Lib.) Desm., Pl. Crypt. N. France, Ed. 1, Fasc. 24, no. 1176, 1842.
≡ *Spilosphaeria chelidonii* (Lib.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nov, Ser. Sec., Cent. 6: no. 552, 1857.
≡ *Rhabdospora chelidonii* (Lib.) Kuntze, Revis. gen. pl. **3**(3): 510, 1898.
= *Sphaeria lichenoides* var. *chelidonicola* DC., Fl. franç., Ed. 3, **5/6**: 148, 1815.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 57 (Fig. 19). Mel'nik (2000: 129) examined type material of this species and confirmed that is is a species of *Septoria*. The combination *S. chelidonii* was first introduced in Desm., Pl. Crypt. N. France, Ed. 1, no. 1176 (see http://sweetgum.nybg.org/images3/3111/283/03628251.jpg), which was already cited in "Ann. Sci. Nat., Bot., Sér. 2, **17**: 110, 1842", which is usually cited as original reference for this combination. Libert (l.c.) cited *Sphaeria lichenoides* var. *chelidonicola* (as "*Sphaeria chelidonicola* DC.") as synonym, so that the name *A. chelidonii* could be interpreted as new species or in the sense of a new name based on de Candolle's variety name. However, since Libert (l.c.) added a description for *A. chelidonii*, this name should rather be interpreted as new species name. This is also evident by the fact that he later used the name *Ascochyta chelidonii* Lib. (in Pl. Crypt. Arduenna, Fasc. 3, no. 204, 1834).

57. ASCOXYTA CHELIDONII, N.

Sphæria Chelidonicola, De Cand. Fl. fr. 6. p. 148.

Hypophylla. Maculis parvis, fusco-albescentibus; peritheciis minutis, ruſo-nigrescentibus, ore orbiculari integro apertis; cirrhis luteis; ascis cylindricis, rectis; sporidiis 5-7 pellucidis.

In foliis languescentibus *Chelidonii majoris*. Autumno.

Fig. 19

Ascochyta corni Lib. [as "*Ascoxyta*"], Pl. Crypt. Arduenna, Fasc. 1, no. 58, 1830, nom. nov. [non *Ascochyta cornicola* Sacc., 1878].

≡ *Sphaeria lichenoides* var. *cornicola* DC., Fl. franç., Ed. 3, **5/6**: 148, 1815.

≡ *Sphaeria cornicola* (DC.) Fr., Syst. mycol. **2**(2): 530, 1823, nom. sanct.

≡ *Septoria cornicola* (DC.) Desm., Pl. Crypt. N. France, Ed. 1, Fasc. 7: no. 342, 1828.

≡ *Sphaerulina cornicola* (DC.) Verkley, Quaedvl. & Crous, Stud. Mycol. **75**(1): 295, 2013, nom. inval. (Art. 41.5, Note 1).

≡ ***Sphaerulina cornicola*** (DC.) U. Braun & Bensch, **comb. nov.** (Basionym: *Sphaeria lichenoides* var. *cornicola* DC., Fl. franç., Ed. 3, **5/6**: 148, 1815. Mycobank, MB843842.

[Full synonymy, see: http://www.indexfungorum.org/names/HomoSpecies.asp?RecordID=242108; https://www.mycobank.org/MB/843842; Farr (1991)]

Notes: This name was superfluous when published on the label of Lib., Pl. Crypt. Arduenna 58 (fig. 20), because *Sphaeria lichenoides* var. *cornicola* and *Sphaeria cornicola* were cited as synonyms. However, this name is not illegitimate since it has a legitimate basionym (Art. 52.4). Since 1878, this name has to be considered a replacement name. The combination *Sphaerulina cornicola* in Verkley et al. (2013) was not validly published. The incorrect citation of the basionym as "*Depazea cornicola* DC." is a correctable mistake, according to Art. 41.6, but due to a wrong citation of the page (p. 48) in the original publication, this combination is invalid. The combination would have been valid with a reference to *Sphaeria cornicola* (DC.) Fr. [according to Art. 41.8, b, Ex. 23 (b)], but a reference to this name was not given in Verkley et al. (2013).

58. ASCOXYTA CORNI, N.

Sphæria Cornicola, De Cand. Fl. fr. 6 p. 148. — Fr. Syst. Myc. 2. p. 530.

Epiphylla. Maculis suborbiculatis, griseis, nigro marginatis, in ambitu rubris; peritheciis innatis minutis, ore orbiculari integro apertis; cirrhis albo-fuscescentibus; ascis fusiformibus curvatis; sporidiis 5-7, Opacis.

In foliis *Corni sanguineæ*. Æstate.

Fig. 20

Ascochyta pisi Lib. [as "*Ascoxyta*"], Pl. Crypt. Arduenna, Fasc. 1, no. 59, 1830.

= *Didymella pisi* Chilvers, J.D. Rogers & Peever, Mycol. Res. **113**(3): 396, 2009.

[Full synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=508297; https://www.mycobank.org/MB/177968.]

Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 59 (fig. 21). Phylogeny and taxonomy, see Aveskamp et al. (2010).

59. ASCOXYTA PISI, N.

Maculis orbiculatis, fuscescentibus, margine prominulo, obscuriore cinctis; peridiis congestis fulvis, poro apertis; cirrhis carneis; ascis ellipsoideis; sporidiis 2-3 pellucidis.

In leguminibus *Pisi sativi*. Autumno.

Fig. 21

Cheilaria urticae (Fr.) Lib. [as "*Xeilaria*"], Pl. Crypt. Arduenna, Fasc. 1, no. 62, 1830.
≡ *Rhytisma urticae* Fr., Syst. mycol. **2**(2): 570, 1823, nom. sanct.
≡ ***Aporhytisma urticae*** (Fr.) Höhn., Ann. Mycol. **15**(5): 318, 1917.
≡ *Diaporthopsis urticae* (Fr.) Arx & E. Müll., Beitr. Kryptfl. Schweiz **11**(1): 373, 1954.
[Full synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=296597; https://www.mycobank.org/MB/414733.]
Notes: This is a new combination validly published on the label of Lib., Pl. Crypt. Arduenna 62 (fig. 22). Generic taxonomy of *Aporhytisma* and its type species *A. urticae*, see Petrak (1971: 248).

62. XEILARIA URTICÆ, N.
Rhytisma Urticæ, F. Syst. Myc. 2. p. 570.
Maculis effusis, aterrimis; perithèciis innatis, rotundis, elongatisve, confluentibus, atris, rima longitudinali dehiscentibus; cirrhis aurantio-rubris; ascis cylindricis, obtusiusculis; sporidiis 2 pellucidis.
Ad caules exsiccatos *Urticæ dioicæ*. Vere.

Fig. 22

Cheilaria agrostidis Lib. [as "*Xeilaria*"], Pl. Crypt. Arduenna, Fasc. 1, no. 63, 1830.
≡ *Labrella agrostidis* (Lib.) Sacc., Malpighia **2**: 23, 1888.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 63 (fig. 23). Taxonomy of *Cheilaria* and its type species, see Wijayawardene et al. (2020: 48).

63. XEILARIA AGROSTIDIS, N.
Maculis fusco-albescentibus, aut nullis; peridiis immersis, utrinque prominulis, ovatis elongatisve atris, rima longitudinali dehiscentibus; cirrhis albis; ascis fusiformibus; sporidiis 2 pellucidis.
In foliis *Agrostidis vulgaris*. Autumno.

Fig. 23

Cytospora foliicola Lib. [as "*Cytispora*"], Pl. Crypt. Arduenna, Fasc. 1, no. 64, 1830.
≡ ***Phacidium foliicola*** (Lib.) W.J. Li & K.D. Hyde, in Li et al., Fungal Diversity **100**: 647, 2020.
[Full synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=557173; https://www.mycobank.org/MB/557173.]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 64 (fig. 24).

64. CYTISPORA FOLIICOLA, N.
Conceptaculo nullo; peridiis 5-7, minutis, ovatis fuscis, in parenchymate folii nidulantibus, epidermide nigrefacta, pustulato elevata tectis; disco erumpente farinoso-albo; ostiolo centrali nigro, cirrho albo.
Ad folia emortua *Hederæ* et *Vincæ*. Autumno.

Fig. 24

Rhytisma bistortae (DC.) Lib., Pl. Crypt. Arduenna, Fasc. 1, no. 68, 1830.
≡ *Xyloma bistortae* DC., Fl. franç., Ed. 3, **5/6**: 153, 1815.
≡ ***Pseudorhytisma bistortae*** (DC.) Juel, Öfvers. K. Svensk. Vetensk.-Akad. Förhandl. **51**(9): 499, 1894.
[Full synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=118768; https://www.mycobank.org/MB/118768.]
Notes: This is a new combination validly published on the label of Lib., Pl. Crypt. Arduenna 68 (fig. 25).

68. RHYTISMA BISTORTÆ, N.

Xyloma Bistortæ, De Cand. Fl. fr. 6. p. 158.

Hypophyllum. Maculis irregularibus, fusco-nigricantibus, in ambitu flavescentibus; peritheciis erumpentibus, congestis, rotundis, elongatisve flexuosis, confluentibus, rima longitudinale dehiscentibus; disco ceraceo-molle, flavo; ascis longis, apophysibus moniliformibus intermixtis; sporidiis ovatis.

In foliis vivis *Polygoni Bistortæ*. Æstate.

Fig. 25

Phacidium ranunculi (Fr.) Lib., Pl. Crypt. Arduenna, Fasc. 1, no. 69, 1830.
≡ *Dothidea ranunculi* Fr., Syst. mycol. **2**(2): 562, 1823, nom. sanct.
≡ ***Leptotrochila ranunculi*** (Fr.) Schüepp, Phytopath. Z. **36**: 251, 1959.
[Full synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=299697; https://www.mycobank.org/MB/299697.]
Notes: This is a new combination validly published on the label of Lib., Pl. Crypt. Arduenna 69 (fig. 26).

69. PHACIDIUM RANUNCULI, N.

Dothidea Ranunculi, Fr. Syst. Myc. 2. p. 562.

Hypophyllum, minutum, nigrum, innato-superficiale, sphæriæforme, gregarium, maculæ fuscæ insidens, demum laciniis 4-6 dehiscens; disco pallido, planiusculo; ascis clavæformibus; sporidiis ovatis, pellucidis.

In foliis languescentibus *Ranunculi acris*. Sero Autumno.

Fig. 26

Leptostroma luzulae Lib., Pl. Crypt. Arduenna, Fasc. 1, no. 75, 1830.
≡ *Leptostroma juncacearum* var. *luzulae* (Lib.) Grove, British Stem- and Leaf-Fungi (Coelomycetes) 2: 183, 1937.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 75 (fig. 27).

75. LEPTOSTROMA LUZULÆ, N.

Perithecium rotundum, subumbonatum, nitidum, nigrum, totum secedens; macula fusca, sporidiis globosis.

In foliis *Luzulæ maximæ*. Autumno.

Fig. 27

Caeoma bistortae Lib., Pl. Crypt. Arduenna, Fasc. 1, no. 87, 1830.
= *Uredo polygoni* var. *bistortae* F. Strauss, Ann. Wetter. Gesellsch. Ges. Naturk. **2**: 103, 1811.
= ***Puccinia bistortae*** DC., Fl. franç., Ed. 3, **5/6**: 61, 1815.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 87 (fig. 28). The type material of *Caeoma bistortae* has been examined (uredinospores 18–25 µm diam.). It belongs to *Puccinia bistortae* DC. Sydow & Sydow (1903) considered the latter name a combination based on *Uredo polygoni* var. *bistortae*, but this variety was not cited in the protologue. De Candolle (l.c.) undoubtedly intened to introduce a new species name based on uredinia and telia.

87. CÆOMA BISTORTÆ, N.

Maculis lutescentibus; acervis rotundis, solitariis in macula, epidermide rupta cinctis, hypogenis; sporidiis globosis, flavis, aliis pedicellatis, aliis nudis.

In foliis *Polygoni Bistortæ*. Autumno.

Fig. 28

Caeoma padi Lib., Pl. Crypt. Arduenna, Fasc. 1, no. 89, 1830.
= *Xyloma areolatum* Fr., Observ. mycol. **2**: 358, 1818.
≡ *Pucciniastrum areolatum* (Fr.) G.H. Otth, Mitt. Naturf. Ges. Bern **531-552**: 85, [1863] 1864.
≡ ***Thekopsora areolata*** (Fr.) Magnus, Sitzungsber. Ges. Naturf. Freunde Berlin: 58, 1875.
[Full synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=232153; https://www.mycobank.org/MB/148250.]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 89 (fig. 29). The examination of the type material revealed that it belongs to *Thekopsora areolata*. Sequences obtained from *Thekopsora areolata*, the type species of *Thekopsora*, formed a distinct clade in phylogenetic trees (Aime et al. 2018), distant from *Pucciniastrum* (s. str.), i.e., this species does not pertain to *Pucciniastrum*.

89. CÆOMA PADI, N.

Maculis purpureis; acervis minutis, globosis, aggregatis, poro apertis, hypogenis; sporidiis ovatis, albis.

In foliis *Pruni Padi*. Autumno.

Fig. 29

Puccinia senecionis Lib., Pl. Crypt. Arduenna, Fasc. 1, no. 92, 1830.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 92 (fig. 30).

92. PUCCINIA SENECIONIS, N.

Maculis obliteratis; acervis rotundis, minutis, in circulum dispositis, epidermide rupta cinctis, amphigenis; sporidiis ovatis, bilocularibus, fusco-nigricantibus; pedicellis brevibus.

In foliis *Senecionis Fuchsii*. Autumno.

Fig. 30

Puccinia luzulae Lib., Pl. Crypt. Arduenna, Fasc. 1, no. 94, 1830.
[Full synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=220399; https://www.mycobank.org/MB/220399.]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 94 (fig. 31).

94. PUCCINIA LUZULÆ, N.

Maculis purpureis, acervis sparsis, subrotundis, epidermide rupta cinctis, amphigenis; sporidiis elongatis trilocularibus, fuscis; pedicellis longis.

In foliis *Luzulæ Vernalis*. Autumno.

Fig. 31

Fasc. 2

Biatora cinereovirens Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 115, 1832.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 115 (fig. 32).

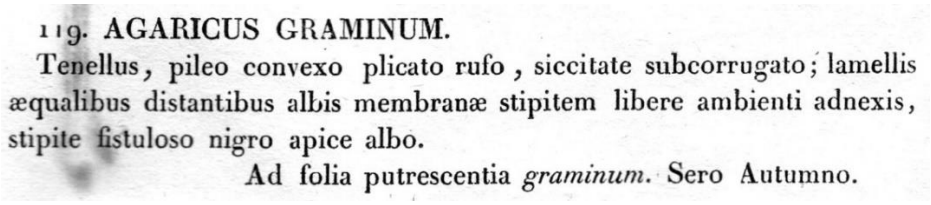
115. BIATORA CINEREO-VIRENS,

Thallo orbiculari gyroso-plicato in ambitu inciso-lobato cinereo-viridi subtus albo nudo; laciniis subimbricatis depressis crenulatis; apotheciis centralibus sessilibus concavis e carneo-fuscis; margine obtuso dem um irregulariter flexuoso.

In ericetis ad terram.

Fig. 32

Agaricus graminum Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 119, 1832.
≡ ***Marasmius graminum*** (Lib.) Berk., Outl. Brit. Fung.: 222, 1860.
[Full synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=248929; https://www.mycobank.org/MB/248929.]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 119 (fig. 33).



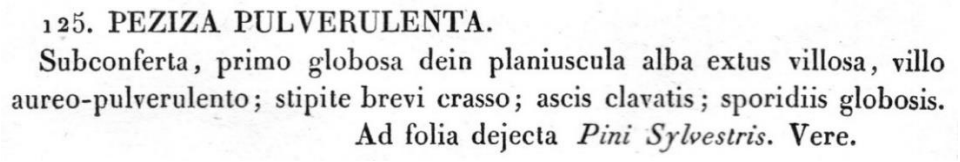
119. AGARICUS GRAMINUM.

Tenellus, pileo convexo plicato rufo, siccitate subcorrugato; lamellis æqualibus distantibus albis membranæ stipitem libere ambienti adnexis, stipite fistuloso nigro apice albo.

Ad folia putrescentia *graminum*. Sero Autumno.

Fig. 33

Peziza pulverulenta Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 125, 1832.
≡ ***Lachnellula pulverulenta*** (Lib.) Sasagawa & Hosoya, in Hosoya et al., Mycoscience **51**(3): 177, 2010.
[Full synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=515284; https://www.mycobank.org/MB/515284.]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 125 (fig. 34).



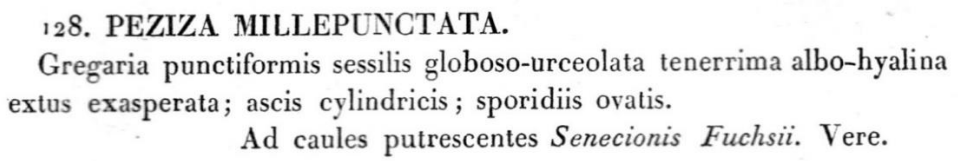
125. PEZIZA PULVERULENTA.

Subconferta, primo globosa dein planiuscula alba extus villosa, villo aureo-pulverulento; stipite brevi crasso; ascis clavatis; sporidiis globosis.

Ad folia dejecta *Pini Sylvestris*. Vere.

Fig. 34

Peziza millepunctata Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 128, 1832.
≡ *Hyalopeziza millepunctata* (Lib.) Raitv., Scripta Mycologica, Tartu **1**: 34, 1970.
≡ ***Olla millepunctata*** (Lib.) Svrček, Česká Mykol. **40**(4): 216, 1986.
[Full synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=315277; https://www.mycobank.org/MB/131039.]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 128 (fig. 35).



128. PEZIZA MILLEPUNCTATA.

Gregaria punctiformis sessilis globoso-urceolata tenerrima albo-hyalina extus exasperata; ascis cylindricis; sporidiis ovatis.

Ad caules putrescentes *Senecionis Fuchsii*. Vere.

Fig. 35

Stictis sesleriae Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 132, 1832.
= ***Stictis arundinacea*** Pers., Mycol. eur. **1**: 336, 1822, nom. sanct. [Fr., Syst. mycol. **2**(1): 195, 1822].
≡ *Cyclostoma arundinaceum* (Pers.) P. Crouan & H. Crouan, Fl. finest.: 30, 1867
≡ *Schmitzomia arundinacea* (Pers.) W. Phillips, Man. Brit. Discomyc.: 380, 1887.
= *Stictis luzulae* Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 133, 1832.
≡ *Schmitzomia luzulae* (Lib.) W. Phillips, Grevillea **18**(88): 85, 1890.
= *Stictis graminum* Desm., Ann. Sci. Nat., Bot., Sér. 2, **13**: 185, 1840, nom. illeg. (Art. 52.1).
≡ *Schmitzomia graminum* P. Karst. [as "(Desm.) P. Karst."], Not. Sällsk. Fauna et Fl. Fenn. Förh. **11**: 253, 1870.
= *Stictis arundinacea* f. *sesleriae* Rabenh., Fungi Eur. Exs. (Klotzschii Herb. Viv. Mycol. Continuatio, Ed. Nova, Ser. Sec.), Cent. 14: no. 1317, 1870.
[Synonymy, see: https://inpn.mnhn.fr/espece/cd_nom/861858/tab/taxo.]

Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 132 (fig. 36).

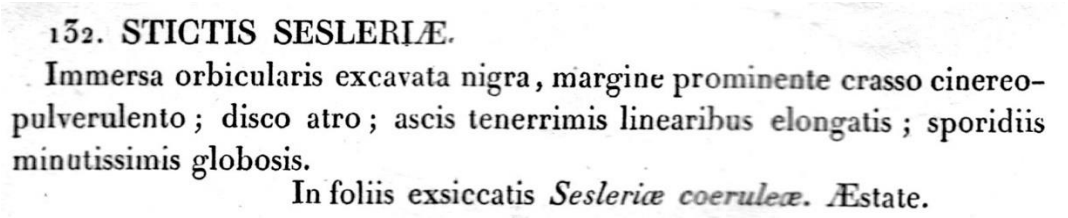

132. STICTIS SESLERIÆ.
Immersa orbicularis excavata nigra, margine prominente crasso cinereo-pulverulento; disco atro; ascis tenerrimis linearibus elongatis; sporidiis minutissimis globosis.
In foliis exsiccatis *Sesleriæ coeruleæ*. Æstate.

Fig. 36

Stictis luzulae Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 133, 1832.
= ***Stictis arundinacea*** Pers., Mycol. eur. **1**: 336, 1822, nom. sanct. [Fr., Syst. mycol. **2**(1): 195, 1822].
[Synonymy, see above under *Stictis sesleriae* Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 132, 1832.]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 133 (fig. 37).

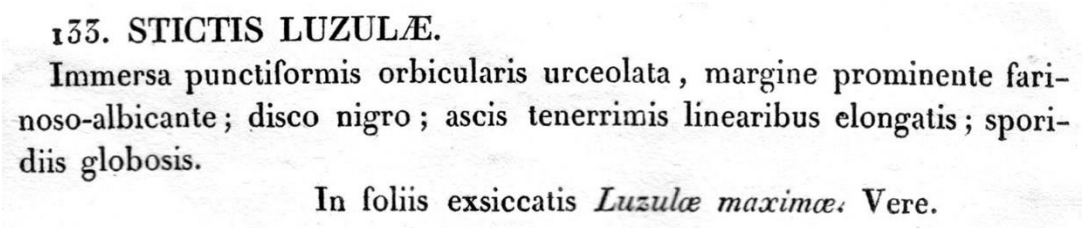

133. STICTIS LUZULÆ.
Immersa punctiformis orbicularis urceolata, margine prominente farinoso-albicante; disco nigro; ascis tenerrimis linearibus elongatis; sporidiis globosis.
In foliis exsiccatis *Luzulæ maximæ*. Vere.

Fig. 37

Dacrymyces poae Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 135, 1832.
≡ *Ephelis poae* (Lib.) Sacc., Malpighia **2**: 25, 1888.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 135 (fig. 38). *Heterosphaeria poae* Fuckel, Fungi Rhen. Exs., Suppl. Fasc. **1**: no. 1591, 1865 [Hedwigia **5**(2): 28, 1866; Jahrb. Nassauischen Vereins Naturk. **23-24**: 266 (1869-70) 1870] is sometimes cited as combination based on *Dacrymyces poae* Lib., which is, however, incorrect (see Braun & Bensch 2020: 90). This is also true for "*Naevia poae* (Fuckel) Rehm, Rabenh. Krypt.-Fl., Ed. 2, **1**.3(Lief. 30): 148, 1888", a name based on *Heterosphaeria poae* Fuckel.

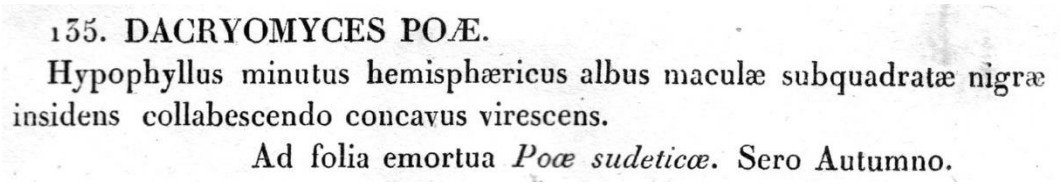

135. DACRYOMYCES POÆ.
Hypophyllus minutus hemisphæricus albus maculæ subquadratæ nigræ insidens collabescendo concavus virescens.
Ad folia emortua *Poæ sudeticæ*. Sero Autumno.

Fig. 38

Sclerotium eurotioides Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 138, 1832.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 138 (fig. 39).

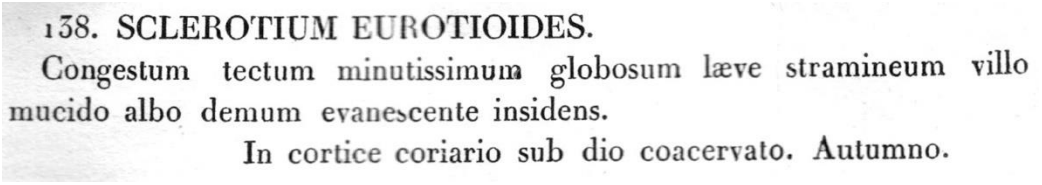
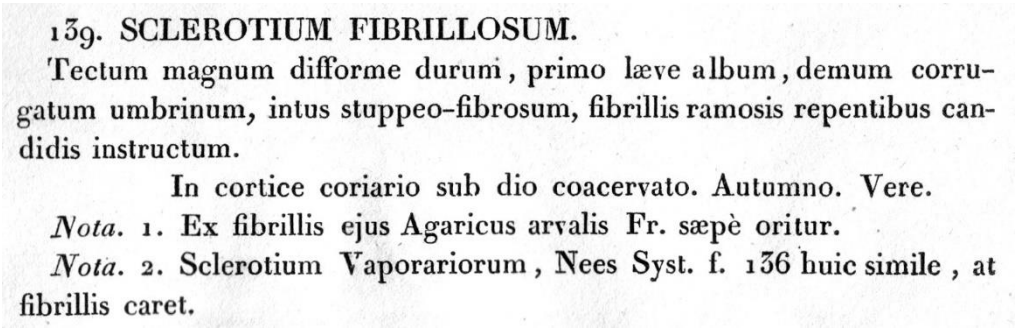

138. SCLEROTIUM EUROTIOIDES.
Congestum tectum minutissimum globosum læve stramineum villo mucido albo demum evanescente insidens.
In cortice coriario sub dio coacervato. Autumno.

Fig. 39

Sclerotium fibrillosum Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 139, 1832.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 139 (fig. 40).



139. SCLEROTIUM FIBRILLOSUM.

Tectum magnum difforme durum, primo læve album, demum corrugatum umbrinum, intus stuppeo-fibrosum, fibrillis ramosis repentibus candidis instructum.

In cortice coriario sub dio coacervato. Autumno. Vere.

Nota. 1. Ex fibrillis ejus Agaricus arvalis Fr. sæpè oritur.

Nota. 2. Sclerotium Vaporariorum, Nees Syst. f. 136 huic simile, at fibrillis caret.

Fig. 40

Sphaeria gregaria Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 145, 1832, nom. illeg. (Art. 53.1), non Weigel 1772.

≡ *Coronophora gregaria* Fuckel [as "(Lib.) Fuckel"], Fungi Rhenani Exsiccati Fasc. 10: no. 961, 1864.

≡ *Calosphaeria gregaria* (Fuckel) Nitschke [as "(Lib.) Nitschke"], Pyrenomyc. Germ. **1**: 103, 1867.

= *Sphaeria leveillei* Tul., Ann. Sci. Nat., Bot., Sér. 3, **20**: 138, 1853, nom. illeg. (Art. 53.1), non Durieu & Mont. 1848.

≡ *Sphaeria tulasnei* Ces., Hedwigia **1**(10): 70, 1855.

≡ ***Coronophora tulasnei*** (Ces.) U. Braun & Bensch, **comb. nov.** (Basionym: *Sphaeria tulasnei* Ces., Hedwigia **1**(10): 70, 1855). Mycobank, MB 843860.

≡ *Calosphaeria verrucosa* Tul. & C. Tul., Select. fung. carpol. **2**: 113, 1863, nom. illeg. (Art. 52.1).

= *Fracchiaea romelliana* Berl., Icon. fung. **3**(1-2): 26, 1900.

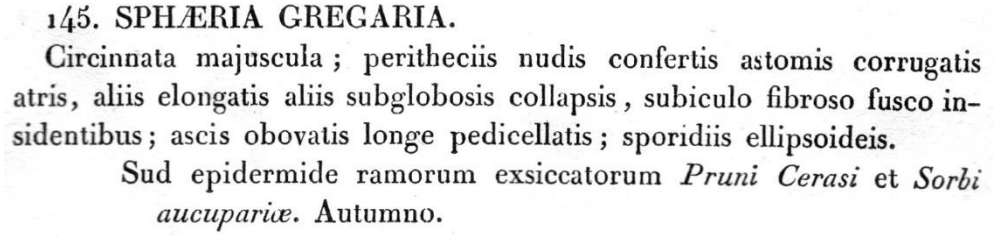
[Synonymy, see: https://inpn.mnhn.fr/espece/cd_nom/867092/tab/taxo?lg=en.]

Notes: This is an illegitimate new species name published on the label of Lib., Pl. Crypt. Arduenna 145 (fig. 41). The phylogeny of *Coronophora gregaria* and its placement in the family *Coronophoraceae* was clarified by Mugambi & Huhndorf (2010). However, the nomenclature of this species is complicated and confused. *Sphaeria leveillei* Tul. was introduced with a description in 1853. This name had earlier been published by Tulasne in "Ann. Sci. Nat., Bot., Sér. 3, **15**: 376, 1851", "Compt. Rend. Hebd. Séances Acad. Sci. **32**: 471 and 474, 1851", and "Ann. Sci. Nat., Bot., Sér. 3, **17**: 85, 1852", but in all cases without any description. *Sphaeria leveillei* Tul. (non Durieu & Mont. 1848) is a younger homonym, but Cesati (Hedwigia **1**(10): 70, 1855) introduced the replacement name *Sphaeria tulasnei*, which is the oldest valid name for this species. *Calosphaeria verrucosa* was introduced by Tulasne & Tulasne (1863), but is superfluous since *Sphaeria tulasnei* was cited as synonym. Cesati's name influences the nomenclature of:

Sphaeria tulasnei P. Crouan & H. Crouan [as "*tulasni*"], Florule Finistère: 24, 1867, nom. illeg. (Art. 53.1), non Ces., 1855.

≡ *Rosellinia tulasnei* Sacc. [as "(P. Crouan & H. Crouan) Sacc."], Syll. fung. **1**: 276, 1882.

≡ *Julella tulasnei* (Sacc.) Berl. & Voglino [as "(P. Crouan & H. Crouan) Berl. & Voglino"], in Saccardo, Syll. fung., Addit. I-IV: 178, 1886.



145. SPHÆRIA GREGARIA.

Circinnata majuscula; peritheciis nudis confertis astomis corrugatis atris, aliis elongatis aliis subglobosis collapsis, subiculo fibroso fusco insidentibus; ascis obovatis longe pedicellatis; sporidiis ellipsoideis.

Sud epidermide ramorum exsiccatorum *Pruni Cerasi* et *Sorbi aucupariæ*. Autumno.

Fig. 41

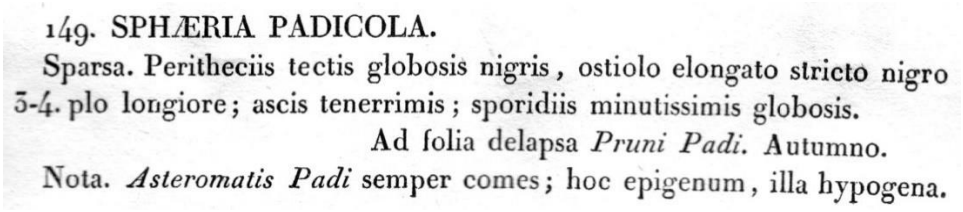
Sphaeria padicola Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 149, 1832.

≡ *Gnomonia padicola* (Lib.) Kleb., Z. Pflanzenkrankh. **18**: 137, 1908.

≡ ***Ophiognomonia padicola*** (Lib.) M. Monod, Beih. Sydowia **9**: 158, 1983.

= *Ophiognomonia padi* Jaap, Verh. Bot. Vereins Prov. Brandenb. **47**: 87, 1905.

Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 149 (fig. 42).



149. SPHÆRIA PADICOLA.

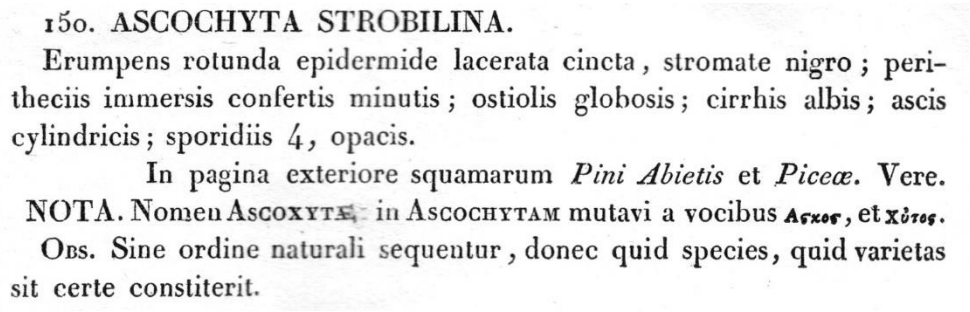
Sparsa. Peritheciis tectis globosis nigris, ostiolo elongato stricto nigro 3-4. plo longiore; ascis tenerrimis; sporidiis minutissimis globosis.

Ad folia delapsa *Pruni Padi*. Autumno.

Nota. *Asteromatis Padi* semper comes; hoc epigenum, illa hypogena.

Fig. 42

Ascochyta strobilina Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 150, 1832.
≡ *Hymenula strobilina* (Lib.) Roum. [as "Lib. in Herb."], Rev. Mycol. (Toulouse) **2**(1): 15, 1880.
≡ *Hymenopsis strobilina* (Lib.) Sacc., Syll. fung. **4**: 747, 1886.
≡ ***Dothiorella strobilina*** (Lib.) Sacc., Malpighia **2**: 19, 1888.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 150 (fig. 43). On the label of no. 150, Libert corrected the genus name "*Ascoxyta*" to *Ascochyta* under "Nota". Synonymy, see Mel'nik (2000: 139).



150. ASCOCHYTA STROBILINA.

Erumpens rotunda epidermide lacerata cincta, stromate nigro; peritheciis immersis confertis minutis; ostiolis globosis; cirrhis albis; ascis cylindricis; sporidiis 4, opacis.

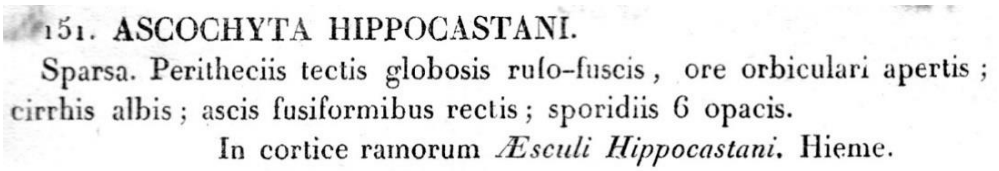
In pagina exteriore squamarum *Pini Abietis* et *Piceæ*. Vere.

NOTA. Nomen ASCOXYTÆ in ASCOCHYTAM mutavi a vocibus ἀσκος, et χύτος.

OBS. Sine ordine naturali sequentur, donec quid species, quid varietas sit certe constiterit.

Fig. 43

Ascochyta hippocastani Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 151, 1832.
≡ *Diplodina hippocastani* (Lib.) Sacc., Malpighia **2**: 21, 1888.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 151 (fig. 44). Mel'nik (2000: 133) excluded this name from *Ascochyta* and identified it as "?*Cytodiplodia* sp."



151. ASCOCHYTA HIPPOCASTANI.

Sparsa. Peritheciis tectis globosis rufo-fuscis, ore orbiculari apertis; cirrhis albis; ascis fusiformibus rectis; sporidiis 6 opacis.

In cortice ramorum *Æsculi Hippocastani*. Hieme.

Fig. 44

Ascochyta oxyacanthae (Kunze & J.C. Schmidt) Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 152, 1832.
≡ *Septoria oxyacanthae* Kunze & J.C. Schmidt [as "*Septaria*"], Mykol. Hefte **2**: 108, 1823.
≡ *Phloeospora oxyacanthae* (Kunze & J.C. Schmidt) Wallr., Fl. crypt. Germ. **2**: 117, 1833.
≡ ***Sphaerulina oxyacanthae*** (Kunze & J.C. Schmidt) Quaedvl., Verkley & Crous, Stud. Mycol. **75**: 345, 2013.
Notes: This is a new combination validly published on the label of Lib., Pl. Crypt. Arduenna 152 (fig. 45).

152. ASCOCHYTA OXYACANTHÆ.

Septaria Oxyacanthæ, Kunz. Mycol. Heft. 2. p. 109. — Link. Sp. Pl. 2. p. 88.

Epiphylla. Maculis purpurascentibus; peritheciis nigris poro dilatato apertis; cirrhis albo-flavescentibus; ascis longissimis subcurvatis utrinque attenuatis; sporidiis 8-10 opacis.

In foliis *Cratægi Oxyacanthæ*. Autumno.

Fig. 45

Ascochyta padi Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 153, 1832.
= *Pseudopeziza jaapii* Rehm, Ann. Mycol. **5**(6): 465, 1907.
≡ ***Blumeriella jaapii*** (Rehm) Arx, Phytopath. Z. 42(2): 164 (1961)
[Full synonynym, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=327015; https://www.mycobank.org/MB/327015.]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 153 (fig. 46). *Ascochyta padi* is the oldest valid name for this species and has priority over *Pseudopeziza jaapii*, i.e., the latter name is in need of conservation to take precedence over *A. padi* and additional older anamorph-typified names. *Blumeriella jaapii* is an important, phytopathologically relevant plant disease with a huge ammount of published literature.

153. ASCOCHYTA PADI.

Hypophylla. Maculis parvis fuscis; peritheciis prominulis fuscis poro apertis; cirrhis albis; ascis longissimis linearibus curvatis; sporidiis 10-12 pellucidis.

In foliis languescentibus *Pruni Padi*. Æstate.

Fig. 46

Ascochyta aesculi Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 154, 1832.
≡ *Septoria aesculi* (Lib.) Westend., Bull. Acad. R. Sci. Belg., Cl. Sci. **18**(2): 394, 1852.
≡ *Rhabdospora aesculi* (Lib.) Kuntze, Revis. gen. pl. **3**(3): 509, 1898.
≡ *Phloeospora aesculi* (Lib.) Lind [as "*Phleospora*"], Danish Fungi as represented in the herbarium of E. Rostrup: 463, 1913, nom. illeg. (Art. 53.1), non Cooke, 1887.
= *Sphaeria aesculicola* Fr., Syst. mycol. **2**(2): 530, 1823, nom. sanct.
≡ *Depazea aesculicola* (Fr.) Fr., Syst. mycol. (Index): 84, 1832.
≡ ***Septoria aesculicola*** (Fr.) Westend., Herb. Crypt. Belg.: no. 1384, 1859.
≡ *Rhabdospora aesculicola* (Fr.) Kuntze, Revis. gen. pl. **3**(3): 509, 1898.
= *Septoria aesculicola* Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 510, 1863, nom. illeg. (Art. 53.1), non (Fr.) Westend., 1859.
= *Sphaerella aesculi* Cocc. & Morini, Mém. R. Accad. Sci. Ist. Bologna, Ser. 4, **8**: 23, 1887.
≡ *Mycosphaerella aesculi* (Cocc. & Morini) Tomilin, Novosti Sist. Nizsh. Rast., 1968 [5]: 163, 1968.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 154 (fig. 47). The name *Sphaeria* (*Depazea*) *aesculicola* Fr. was cited in the protologue, but not meant to be a full genuine synonym of the new name (see comments in the introduction). The first valid publication of the combination *Septoria aesculicola* dates back to Westendorp (1859, see: https://www.mycoportal.org/portals/mycology/NY/03619/03619315_1566589818_web.jpg.), which had already been pointed out by Teterevnikova-Babayan (1987: 225). The synonymy of *Mycosphaerella aesculi* goes back to Teterevnikova-Babayan (1987: 225). A discussion on *Septoria* spp. on *Aesculus*, including *S. aesculi*, has been published by Bedlan (2010).

154. ASCOCHYTA ÆSCULI.

Depazea Æsculicola, Fr. Syst. Myc. 2. p. 550.

Hypophylla. Maculis parvis orbiculatis fusco-albicantibus; peritheciis 1-3, fusco-nigricantibus poro apertis dein irregulariter dehiscentibus; cirrhis albis; ascis linearibus curvatis; sporidiis 8-10 opacis.

In foliis *Aesculi Hippocastani*. Autumno.

Fig. 47

Ascochyta cytisi Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 156, 1832.
≡ *Phyllosticta coniothyrioides* Sacc., Malpighia **2**: 19, 1888, non *P. cytisi* Desm. 1847.
≡ *Phyllostictella coniothyrioides* (Sacc.) Tassi, Bull. Lab. Orto Bot. Reale Univ. Siena **4**: 4, 1901.
= *Sphaeria leguminis-cytisi* Desm., Ann. Sci. Nat. Bot., Ser. 2, **19**: 358 1843.
≡ *Diplodia leguminis-cytisi* (Desm.) Lév., Ann. Sci. Nat., Bot., Sér. 3, **5**: 293, 1846.
≡ *Sphaerella leguminis-cytisi* (Desm.) Ces. & De Not., Comm. Soc. Crittog. Ital. **1**(4): 237, 1863.
≡ *Mycosphaerella leguminis-cytisi* (Desm.) Lindau, in Engler & Prantl, Nat. Pflanzenfam., Teil. I, **1**(1): 425, 1897.
≡ *Diplodina leguminis-cytisi* (Desm.) Höhn., Hedwigia 60: 139, 1918.
= *Ascochyta siliquastri* Pass., Hedwigia **17**: 172, 1878.
≡ *Microdiplodia siliquastri* (Pass.) Sacc. & D. Sacc., Syll. fung. **18**: 325, 1906.
= *Ascochyta leguminum* Sacc., Michelia **1**: 530, 1879.
= *Marssonia carnea* Vestergr., Jahrekatalog der Wiener Kryptog. Tauschanstalt: 4, 1897.
≡ *Marssonina carnea* (Vestergr.) Magnus, Hedwigia **45**: 91, 1906.
= *Phyllosticta laburni* Oudem., Ned. kruidk. Archf, Sér. 3, **2**: 226, 1901.
≡ *Ascochyta laburni* (Oudem.) Petr., Fungi Polon. Exs. 1: no. 9, 1920, nom. illeg. (Art. 53.1), non Sacc., 1879.
= *Ascochyta laburni* Kabát & Bubák, Hedwigia **52**: 347, 1912, nom. illeg. (Art. 53.1), non Sacc., 1879.
≡ *Ascochyta kabatiana* Trotter, Syll. fung. **25**: 330, 1931.
= *Ascochyta laburni* Cejp, in Cejp & Zavřel, Zpr. Vlastivédného Ustavu v Olomouci **141**: 13, 1968, nom. illeg. (Art. 53.1), non Sacc., 1879.

Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 156 (fig. 48). Mel'nik (2000: 89) treated *Ascochyta cytisi* in detail and maintained this species as true *Ascochyta* species. He reduced several names to synonymy with *A. cytisi*, mostly based on the examination of type material. Recognised synonyms are listed above. Höhnel (1919: 139) discussed the nomenclature and taxonomy of *Sphaeria leguminis-cytisi* in detail. Mel'nik (l.c.) listed several additional synonyms, including *Ascochyta lathyri* var. *lathyri-odorati* Kabát & Bubák, *Diplodina rhachidiola* Bubák (≡ *A. rhachidicola* (Petr.) Bond.-Mont.), *Ascochyta astragali* f. *foliicola* Woron., and *A. lathyrina* Hollós. The synonymy of these taxe, described on host species of the genera *Astragalus* and *Lathyrus*, are unclear and in need of confirmation.

156. ASCOCHYTA CYTISI.

Epiphylla. Maculis suborbiculatis cinereis in ambitu umbrinis; peritheciis globosis fuscis poro apertis, cirrhis rubellis, ascis ovoideis; sporidiis 2 pellucidis.

In foliis *Cytisi Laburni*. Autumno.

Fig. 48

Ascochyta calamagrostidis Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 157, 1832.
≡ ***Septoria calamagrostidis*** (Lib.) Sacc., Malpighia **2**(1): 22, 1888.
≡ *Rhabdospora calamagrostidis* (Lib.) Kuntze, Revis. gen. pl. **3**(3): 510, 1898.
= *Septoria caballeroi* Gonz. Frag., Trab. Mus. Nac. Cienc. Nat., Ser. Bot., **7**: 49, 1914.

Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 157 (fig. 49). Synonymy of *Septoria caballeroi*, see Teterevnikova-Babayan (1987: 305).

157. ASCOCHYTA CALAMAGROSTIDIS.

Epiphylla. Maculis linearibus albis ; peritheciis nigris ore orbiculari apertis ; cirrhis albo-flavescentibus; ascis linearibus subcurvatis ; sporidiis 8-10 opacis.

In foliis *Calamagrostidis sylvaticæ*. Autumno.

Fig. 49

Ascochyta dianthi Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 158, 1832.
= *Sphaeria filum* Biv., Stirp. Rar. Sic. **3**: 12, 1815.
≡ *Phoma filum* (Biv.) Fr., Systema mycol. **2**: 547, 1823, nom. sanct.
≡ *Darluca filum* (Biv.) Berk. [as "Castagne"], Outl. Brit. Fung.: 318, 1860.
≡ ***Sphaerellopsis filum*** (Biv.) B. Sutton, Mycol. Pap. **141**: 196, 1977.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 158 (fig. 50). Mel'nik (2000: 131) examined type material of *A. dianthi* and pointed out that this name is a synonym of "*Darluca filum*" [modern treatment, see: https://www.facesoffungi.org/sphaerellopsis-filum/.] The valid name *Ascochyta dianthi* Lib. influences *Ascochyta dianthi* (Alb. & Schwein.) Berk.:
Sphaeria dianthi Alb. & Schwein., Consp. fung.: 47, 1805.
≡ *Depazea dianthi* (Alb. & Schwein.) Rabenh., Deutschl. Krypt.-Fl. **1**: 137, 1844.
≡ ***Septoria dianthi*** (Alb. & Schwein.) Desm., Ann. Sci. Nat., Bot., Sér. 3, **11**(2): 346, 1849.
≡ *Ascochyta dianthi* (Alb. & Schwein.) Berk., Outl. Brit. Fung.: 320, 1860, nom. illeg. (Art. 53.1), non Lib., 1832.
≡ *Rhabdospora dianthi* (Alb. & Schwein.) Kuntze, Revis. gen. pl. **3**(3): 511, 1898.

158. ASCOCHYTA DIANTHI.

Epiphylla. Maculis indeterminatis pallidis ; peritheciis minutis fuscis poro apertis ; cirrhis albis; ascis ellipsoideis; sporidiis 3 pellucidis.

In foliis languescentibus *Dianthi barbati*. Autumno.

Fig. 50

Ascochyta anemones Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 159, 1832 [non *Septoria anemones* Desm., 1838].
= ***Septoria sylvicola*** Desm., Pl. Crypt. France, Ed. 2, Ser. 2: no. 690, 1859.
≡ *Rhabdospora sylvicola* (Desm.) Kuntze [as "*silvicola*"], Revis. gen. pl. **3**(3): 513, 1898.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 159 (fig. 51). Synonymy and taxonomy, see Teterevnikova-Babayan (1987: 355) and Mel'nik (2000: 127). The original spelling of the epithet was "*sylvicola*" [see:
https://www.mycoportal.org/portal/temp/images/store/BPI/web/BPI_127K_exsiccati/954/BPI%20954817.jpg.]

159. ASCOCHYTA ANEMONES.

Epiphylla. Maculis nullis; peritheciis prominulis nigris collapsis poro apertis ; cirrhis albis ; ascis tenerrimis linearibus curvatis ; sporidiis 8-10 opacis.

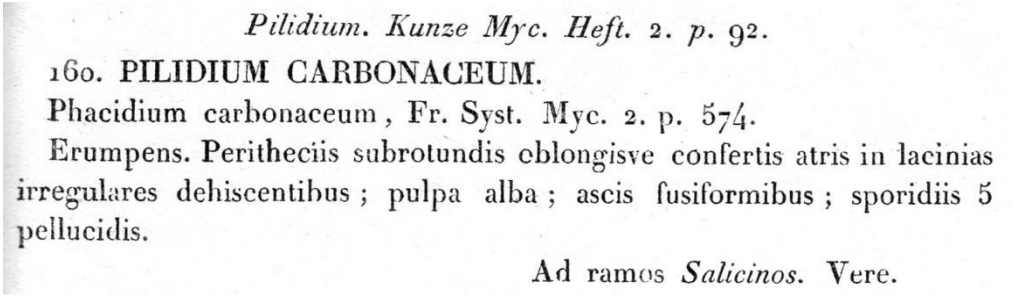
In foliis *Anemones nemorosæ*. Vere.

Nota. Cavè ne cum *Dothidea Anemones* Fr. eam confundas.

Fig. 51

Pilidium carbonaceum (Fr.) Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 160, 1832.
≡ *Xyloma carbonaceum* Fr., Observ. mycol. **2**: 359, 1818.
≡ ***Phacidium carbonaceum*** (Fr.) Fr., Syst. mycol. **2**(2): 574, 1823, nom. sanct.
≡ *Discella carbonacea* (Fr.) Berk. & Broome, Ann. Mag. Nat. Hist., Ser. 2, **5**: 377, 1850.
≡ *Coccomyces carbonaceus* (Fr.) Quél., Enchir. fung.: 337, 1886.

Notes: This is a new combination validly published on the label of Lib., Pl. Crypt. Arduenna 160 (fig. 52). According to Berkeley & Broome (1850: 377), the material distributed as "*Pilidium carbonaceum*" by Libert in Pl. Crypt. Arduenna 160 belongs to *Cenangium fuliginosum* Fr. (now *Godronia fuliginosa* (Pers.) Seaver)
[see also: https://www.mycodb.fr/fiche.php?genre=Godronia&espece=fuliginosa.]



Pilidium. Kunze Myc. Heft. 2. *p.* 92.

160. PILIDIUM CARBONACEUM.

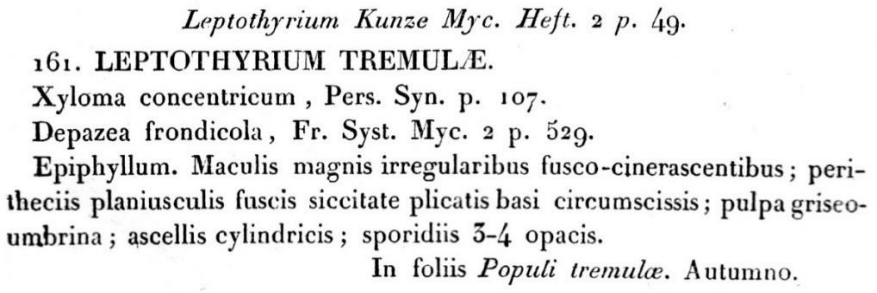
Phacidium carbonaceum, Fr. Syst. Myc. 2. p. 574.

Erumpens. Peritheciis subrotundis oblongisve confertis atris in lacinias irregulares dehiscentibus; pulpa alba; ascis fusiformibus; sporidiis 5 pellucidis.

Ad ramos *Salicinos*. Vere.

Fig. 52

Leptothyrium tremulae Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 161, 1832.
≡ ***Titaeosporina tremulae*** (Lib.) Luijk, Ann. Mycol. **17**(2/6): 112, 1920.
= *Gloeosporium populi-albae* Desm., Bull. Soc. Bot. France **4**: 799, 1857.
= *Leptothyrium circinans* Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 554, 1863.
≡ *Gloeosporium circinans* (Fuckel) Sacc., Mycoth. Ven., Cent. 10: no. 966, 1876.
= *Gloeosporium tremulae* Pass., in Rabenh., Fungi Eur. Exs. (Klotzschii Herb. Viv. Mycol. Continuatio, Ed. Nova, Ser. Sec.), Cent. 19: no. 1880, 1874 [and Hedwigia **13**(12): 187, 1874].
≡ *Gloeosporidium tremulae* (Pass.) Höhn., Sitzungsber. Akad. Wiss. Wien, Math.-Nat. Kl., Abt. 1, **125**(1-2): 95, 1916, nom. inval. (Art. 35.2).
Notes: This is a valid and legitimate species name published on the label of Lib., Pl. Crypt. Arduenna 161 (fig. 53). This name is not superfluous, although Libert (l.c.) cited *Xyloma concentricum* Pers. and *Depazea frondicola* Fr. (now *Sphaerulina frondicola* (Fr.) Verkley, Quaedvl. & Crous) on the label, but these names were not meant to be genuine synonyms (see discussion in the introduction). *Gloeosporium tremulae* Pass. was not introduced with reference to *Leptothyrium tremulae*, i.e., this is a separate name and not a combination, based on the latter name. The affinity of *Titaeosporina tremulae* is not quite clear. *T. tremulae* is the type species of *Titaeosporina*. However, the latter genus name has been cited as synonym of *Asteroma* [see: https://www.mycobank.org/MB/10241; http://www.indexfungorum.org/names/NamesRecord.asp?RecordID=10241; https://www.irmng.org/aphia.php?p=taxdetails&id=1312251.] However, under these circumstances, *T. tremulae* should be a species of *Asteroma*.



Leptothyrium Kunze Myc. Heft. 2 *p.* 49.

161. LEPTOTHYRIUM TREMULÆ.

Xyloma concentricum, Pers. Syn. p. 107.

Depazea frondicola, Fr. Syst. Myc. 2 p. 529.

Epiphyllum. Maculis magnis irregularibus fusco-cinerascentibus; peritheciis planiusculis fuscis siccitate plicatis basi circumscissis; pulpa griseo-umbrina; ascellis cylindricis; sporidiis 3-4 opacis.

In foliis *Populi tremulæ*. Autumno.

Fig. 53

Leptothyrium fragariae Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 162, 1832.
≡ ***Diplocarpon fragariae*** (Lib.) Rossman, in Johnston et al., IMA Fungus **5**(1): 99, 2014.
[Full synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=808805; https://www.mycobank.org/MB/808805.]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 162 (fig. 54).

162. LEPTOTHYRIUM FRAGARIÆ.

Epiphyllum. Maculis indeterminatis rubris; peritheciis planissimis rugosis nitidis nigris basi circumscissis; pulpa grisea; ascellis cylindricis; sporidiis 4-5 pellucidis.

In foliis *Fragariæ vescæ*. Autumno.

Fig. 54

Leptothyrium betulae Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 163, 1832.
≡ ***Marssonina betulae*** (Lib.) Magnus, Hedwigia **45**: 90, 1906.
[Full synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=100639; https://www.mycobank.org/MB/100639.]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 163 (fig. 55).

163. LEPTOTHYRIUM BETULÆ.

Epiphyllum. Maculis irregularibus subradiatis fuscis; peritheciis planiusculis rugosis oblongo-difformibus confluentibus basi circumscissis fuscis; pulpa alba; ascellis cylindricis; sporidiis 4-5 pellucidis.

In foliis *Betulæ albæ*. Æstate.

Fig. 55

Leptothyrium juglandis Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 164, 1832.
≡ *Marssonia juglandis* (Lib.) Sacc. [as "*Marsonia*"], Michelia **2**(6): 119, 1880.
≡ *Gloeosporium juglandis* (Lib.) Trel., Trans. Wis. Acad. Sci. Arts Lett. **6**: 120, 1883.
≡ *Marssonina juglandis* (Lib.) Magnus, Hedwigia **45**: 90, 1906.
≡ *Marssoniella* juglandis (Lib.) Höhn., Sitzungsber. Akad. Wiss. Wien, Math.-Naturw. Kl., Abt. 1, **125**(1-2): 82, 1916.
≡ *Neomarssoniella* juglandis (Lib.) U. Braun, Nova Hedwigia **53**(3-4): 304, 1991.
= *Sphaeria leptostyla* Fr., Syst. mycol. **2**(2): 517, 1823, nom. sanct.
≡ *Gnomonia leptostyla* (Fr.) Ces. & De Not., Comm. Soc. Crittog. Ital. **1**(4): 232, 1863.
≡ ***Ophiognomonia leptostyla*** (Fr.) Sogonov, Stud. Mycol. **62**: 62, 2008.
= *Sphaeria juglandis* DC., Fl. franç., Edn 3, **5/6**: 130, 1815.
≡ *Gnomonia juglandis* (DC.) Traverso, R.C. Congr. Bot. Palermo, 1902: 3 (extr.), 1902.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 164 (fig. 56). Libert (l.c.) cited two names in the protologue, but intended to publish a new species, accompanied by a Latin description. The cited names were undoubtly used in the sense of "pro parte".

164. LEPTOTHYRIUM JUGLANDIS.

Xyloma Juglandis, De Cand. Fl. fr. 6. p. 158.

Depazea Juglandicola, Fr. El. fung. 2. p. 110.

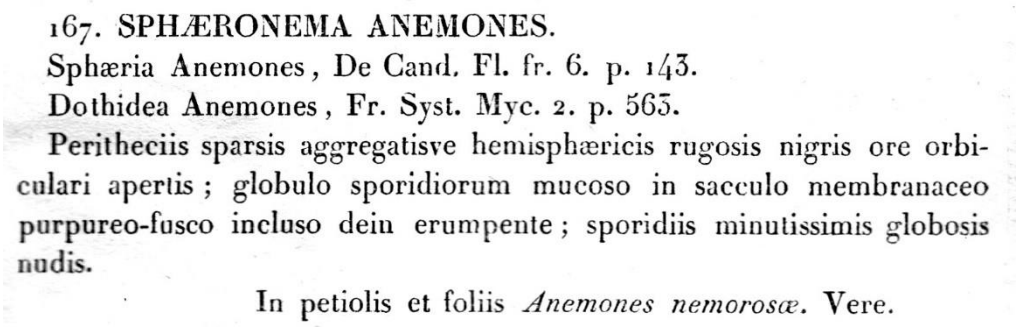
Hypophyllum. Maculis orbiculatis griseis, peritheciis planiusculis minutis rugosis fuscis basi circumscissis; pulpa grisea; ascellis ellipsoideis; sporidiis 2 opacis.

In foliis *Juglandis Regiæ*. Autumno.

Fig. 56

Sphaeronaema anemones (DC.) Lib. [as "*Sphaeronema*"], Pl. Crypt. Arduenna, Fasc. 2, no. 167, 1832.
≡ *Sphaeria anemones* DC., Fl. franç., Ed. 3, **5/6**: 143, 1815.
≡ *Dothidea anemones* (DC.) Fr., Syst. mycol. **2**(2): 563, 1823, nom. sanct.
≡ *Chytridium anemones* (DC.) de Bary & Woronin, Ber. Verh. Naturf. Ges. Freiburg **3**(2): 50, 1863.
≡ ***Synchytrium anemones*** (DC.) Woronin, Bot. Zeitung **26**: 100, 1868.
[Full synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=224845; https://www.mycobank.org/MB/224845.]

Notes: This is a new combination validly published on the label of Lib., Pl. Crypt. Arduenna 167 (fig. 57). A detailed treatment of this fungus was published by de Bary & Woronin (1864). The combination "*Chytridium* ? *anemones* (DC.) de Bary & Woronin" was introduced on page 50. In an addendum on page 61, de Bary mentioned that he had examined Lib., Pl. Crypt. Arduenna 167 and confirmed that the distributed material also belongs to *Chytridium anemones*.



167. SPHÆRONEMA ANEMONES.

Sphæria Anemones, De Cand. Fl. fr. 6. p. 143.

Dothidea Anemones, Fr. Syst. Myc. 2. p. 565.

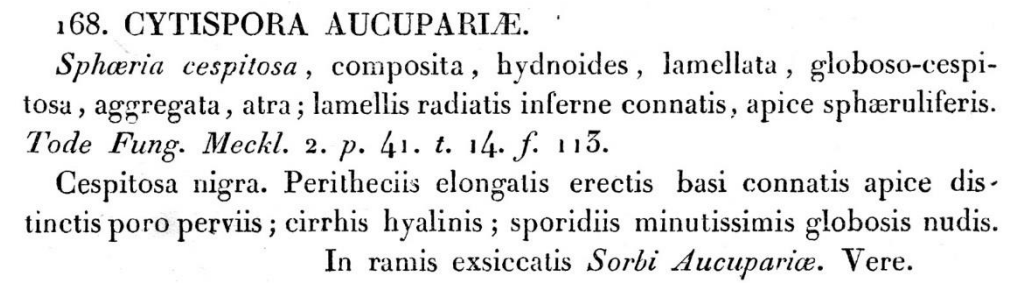
Peritheciis sparsis aggregatisve hemisphæricis rugosis nigris ore orbiculari apertis; globulo sporidiorum mucoso in sacculo membranaceo purpureo-fusco incluso dein erumpente; sporidiis minutissimis globosis nudis.

In petiolis et foliis *Anemones nemorosæ*. Vere.

Fig. 57

Cytospora aucupariae Lib. [as "*Cytispora*"], Pl. Crypt. Arduenna, Fasc. 2, no. 168, 1832, nom. illeg. (Art. 52.1).

Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 168 (fig. 58). In the protologue, Libert (l.c.) cited *Sphaeria cespitosa* and added a description, with reference to Tode's original description. However, he also added a separate description for his *Cytospora aucupariae*, suggesting that he intended to introduce a new species for another morph of the fungus that he considered *Sphaeria cespitosa*. Therefore, Libert's name can be considered a new, separate species name (Art. F.8.1).



168. CYTISPORA AUCUPARIÆ.

Sphæria cespitosa, composita, hydnoides, lamellata, globoso-cespitosa, aggregata, atra; lamellis radiatis inferne connatis, apice sphæruliferis. *Tode Fung. Meckl. 2. p. 41. t. 14. f. 113.*

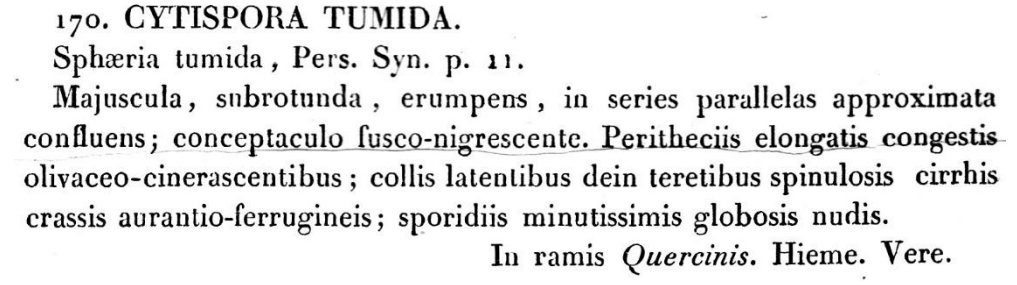
Cespitosa nigra. Peritheciis elongatis erectis basi connatis apice distinctis poro perviis; cirrhis hyalinis; sporidiis minutissimis globosis nudis.

In ramis exsiccatis *Sorbi Aucupariæ*. Vere.

Fig. 58

Cytospora tumida (Pers.) Lib. [as "*Cytispora*"], Pl. Crypt. Arduenna, Fasc. 2, no. 170, 1832.
≡ *Sphaeria tumida* Pers., Syn. meth. fung. **1**: 41, 1801.
≡ *Thyridium tumidum* (Pers.) Fuckel, Jahrb. Nassauischen Vereins Naturk. **25-26**: 314, 1871.
≡ ***Fenestella tumida*** (Pers.) Sacc., Syll. fung. **2**: 329, 1883.

Notes: This is a new combination validly published on the label of Lib., Pl. Crypt. Arduenna 170 (fig. 59). Modern description, see Selçuk & Hüseyin (2014). The material distributed in Lib., Pl. Crypt. Arduenna 170 belongs to *Cytospora ceratosperma* (Tode) G.C. Adams & Rossman, see https://nt.ars-grin.gov/sbmlweb/onlineresources/nomenfactsheets/rptBuildFactSheet_onLine.cfm?thisName=Valsa species (Anamorph Cytospora) on Rosa&currentDS=specimens



170. CYTISPORA TUMIDA.

Sphæria tumida, Pers. Syn. p. 11.

Majuscula, subrotunda, erumpens, in series parallelas approximata confluens; conceptaculo fusco-nigrescente. Peritheciis elongatis congestis olivaceo-cinerascentibus; collis latentibus dein teretibus spinulosis cirrhis crassis aurantio-ferrugineis; sporidiis minutissimis globosis nudis.

In ramis *Quercinis*. Hieme. Vere.

Fig. 59

Dothidea stellariae Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 172, 1832.
≡ ***Omphalospora stellariae*** (Lib.) Theiss. & Syd., Ann. Mycol. **13**(3/4): 361, 1915.
[Full synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=181905; https://www.mycobank.org/MB/181905.]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 172 (fig. 60).

172. DOTHIDEA STELLARIÆ.

Elongato-lanceolata confluens atra; cellulis immersis minutis globosis albis; ascis oblongis fixis; sporidiis globosis.

In foliis *Stellariæ nemorum*. Æstate.

Fig. 60

Dothidea veronicae Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 173, 1832.
≡ ***Asterina veronicae*** (Lib.) Cooke, Grevillea **5**(35): 122, 1877.
[Full synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=119621; https://www.mycobank.org/MB/119621.]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 173 (fig. 61).

173. DOTHIDEA VERONICÆ.

Fibrillis e centro radiantibus ramosis nigris; peritheciis hemisphæricis minutis in cespitulum orbicularem stipatis, apice in lacinias irregulares dehiscentibus; ascis globosis fixis; sporidiis oblongis uniseptatis hyalinis.

In foliis *Veronicæ officinalis*. Autumno.

Nota. Transitus ad LASIOBOTRYDEM cui forte melius adscribenda.

Fig. 61

Phacidium medicaginis Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 176, 1832.
≡ ***Pseudopeziza medicaginis*** (Lib.) Sacc., Malpighia **1**(10-11): 455, 1887.
≡ *Pseudopeziza trifolii* f. *medicaginis* (Lib.) Rehm, in Rabenh. Krypt.-Fl., Ed. 2, **1**.3(Lief. 36): 598, 1891.
= *Phyllachora medicaginis* Sacc., Atti Soc. Veneto-Trent. Sci. Nat. **2**(1): 145, 1873.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 176 (fig. 62).

176. PHACIDIUM MEDICAGINIS.

Epiphyllum, minutum maculæ orbiculari fuscæ insidens sphæriæforme dein in laciuias 3-4 dehiscens; disco planiusculo fusco-pallido; ascis elongatis, sporidiis ovoideis hyalinis.

In foliis *Medicaginis Willdenovii*. Autumno.

Fig. 62

Didymium michelii Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 180, 1832.
≡ *Physarum michelii* (Lib.) Corda, Icon. fung. **5**: 57, 1842.
≡ *Chondrioderma michelii* (Lib.) Rostaf., in Fuckel, Jahrb. Nassauischen Vereins Naturk. **27-28**: 74, 1873.
≡ *Diderma michelii* (Lib.) Morgan, J. Cincinnati Soc. Nat. Hist. **16**: 153, 1894.
= *Reticularia hemisphaerica* Bull., Herbier de la France **10**: tab. 446, fig. 1, 1790.
≡ ***Diderma hemisphaericum*** (Bull.) Hornem., Fl. Danica **13**: 13, 1829.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 180 (fig. 63). Synonymy, see "Annotated Checklist for the Myxomycota of Germany" [http://www.gbif-mycology.de/DatabaseClients/GBIFmyxchecklist/details.jsp;jsessionid=074ED1DBAE6C9E0FD006F03DA431CBE4?AcceptedName=Diderma+hemisphaericum+%28Bull.%29+Hornem.]

180. DIDYMIUM MICHELII.

Mucilago n. 5 Mich. Nov. Pl. gen. p. 216. Tab. 96. f. 5.

Peridiis applanatis crusta calcarea fragili velatis, venis exsiccatis Mesentericæ insidentibus subtus stipiteque crassiusculo striatis rufis; floccis densis griseis; sporis globosis fuscis.

Gregarium in foliis vivis et emortuis, stipulis, lignis, etiam *in fimi equini aggeribus*. Autumno.

Fig. 63

Coniosporium violae Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 184, 1832.
≡ *Laestadia violae* (Lib.) Sacc., Syll. fung. **1**: 431, 1882.
≡ *Carlia violae* (Lib.) Kuntze, Revis. gen. pl. **2**: 846, 1891.
≡ *Phyllosticta libertiana* Sacc. & Marchal, Rev. Mycol. (Toulouse) **7**(26): 147, 1885, replacement name [non *Phyllosticta violae* Desm., 1847].
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 184 (fig. 64). *Phyllosticta libertiana* is a replacement names based on *Coniosporium violae* (non *Phyllosticta violae* Desm.). Saccardo & Marchal (1885) described pycnidia and conidia (60–70 µm diam., conidia 3–4 × 2–2.5 µm), which probably pertain to a *Phoma*. Van der Aa & Vanev (2002: 289) examined a collection from BR that they erroneously considered the holotype for this replacement name, but only found sterile ascomata. Libert's syntypes of *C. violae* distributed in Pl. Crypt. Arduenna 184, including the material deposited at HAL, contain leaf spots densely covered with sterile ascoma initials (25–80 µm diam., brown, cells 3–10 µm diam., walls somewhat thickened). They might pertain to *Mycosphaerella violae* Potebnia. Libert's original description undoubtedly referred to these ascoma initials (spores were not described).
Phyllosticta libertiae Sacc., Malpighia **2**(1): 18, 1888, is an additional species name based on Libert's Pl. Crypt. Arduenna 184 (p.p.). Based on the minute narrow spores (pycnidia 80–90 µm diam., spores ellipsoid, 1–1.5 × 0.7–1 µm), this name undoubtedly belongs to an *Asteromella*, which has also been confirmed by van der Aa & Vanev (2002: 289), who discussed a possibly relation of this taxon as spermogonial stage of *Mycosphaerella violae* Potebnia. This is, however, quite unclear and unproven. So far, only a single, morphologically quite distinct *Asteromella* species has been described from *Viola* spp., viz., the North American *Asteromella nigrescens* (Bonar & W.B. Cooke) van der Aa & Vanev (2002) with larger spermogonia, 100–130 µm diam., and conidia, 5–6 × 1.5–2 µm. Therefore, the name *Phyllosticta libertiae* should rather be treated under *Asteromella*: ***Asteromella libertiae*** (Sacc.) U. Braun & Bensch, **comb. nov.** (basionym: *Phyllosticta libertiae* Sacc., Malpighia **2**(1): 18, 1888; MycoBank, MB843905.

184. CONIOSPORIUM VIOLÆ.

Peridiis minutis globosis atris in maculam orbicularem stipatis.

In foliis emortuis *Violæ odoratæ*. Hieme.

Fig. 64

Illosporium fagineum Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 185, 1832.
≡ *Myxosporium fagineum* (Lib.) Corda, Icon. fung. **3**: 2, 1839.
≡ *Phylloedium fagineum* (Lib.) Sacc., Syll. fung. **4**: 661, 1886.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 185 (fig. 65).

185. ILLOSPORIUM FAGINEUM.

Effusum difforme coccineum, siccitate in areolas polygonas diffractum; Sporangiis globosis pedicello instructis aut destitutis.

Inter folia putrescentia *Fagi Sylvaticæ*. In serum Autumnum.

Fig. 65

Sporotrichum fallax Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 187, 1832.
≡ ***Piloderma fallax*** (Lib.) Stalpers, Stud. Mycol. **24**: 53, 1984.
= *Corticium bicolor* Peck, Bull. Buffalo Soc. Nat. Sci. **1**(2): 62, 1873.
≡ *Terana bicolor* (Peck) Kuntze, Revis. gen. pl. **2**: 872, 1891.
≡ *Athelia bicolor* (Peck) Parmasto, Eesti NSV Tead. Akad. Toim., Biol. Seer, **16**(4): 379, 1967.
≡ *Piloderma bicolor* (Peck) Jülich, Ber. Deutsch. Bot. Ges. **81**: 417, 1969.
= *Piloderma croceum* J. Erikss. & Hjortstam, Cort. N. Europe **6**: 1201, 1981.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 187 (fig. 66).

187. SPOROTRICHUM FALLAX.

Thallo effuso fibrilloso-byssino ; floccis ramosis densissime intricatis septatis albis ; sporidiis creberrimis minutissimis globosis primo aureis tum sulphureis demum albis.

In fagetis, ad folia dejecta, truncos et radices herbarum muscorumque. Autumno.

Fig. 66

Helminthosporium pyrorum Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 188, 1832.
= ***Venturia pyrina*** Aderh. [as "*pirina*"], Landw. Jahrb. **25**: 875, 1896, nom. cons. prop. (Rossman et al., Taxon **67**: 1209–1211, 2018).
[Full synonymy, see: https://www.mycobank.org/MB/121260; see also Schubert et al. (2003: 82).]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 188 (fig. 67).

188. HELMINTHOSPORIUM PYRORUM.

Flocci tenuissimi laxe aggregati simplices olivaceo-nigri septati obtusi fibrillis e centro radiantibus ramosis innascentes ; sporidia ad basin coacervata pellucida ovato-clavata ; sporæ 3-4 globosæ serie unica longitudinali positæ.

In foliis adhuc vivis *Pyri Mali* et *communis*. Autumno.

Fig. 67

Puccinia scrophulariae Lib. [as "*scrofulariae*"], Pl. Crypt. Arduenna, Fasc. 2, no. 193, 1832.
= ***Uromyces scrophulariae*** Fuckel, Fungi Rhen. Exs., Fasc. 4: no. 395, 1863.
[Full synonymy, see: http://www.speciesfungorum.org/GSD/GSDspecies.asp?RecordID=235779; https://www.mycobank.org/MB/235779.]
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 193 (fig. 68). The name *Uromyces scrophulariae* was introduced as new species, and not as new combination based on *Aecidium scrophulariae* (see Braun & Bensch 2019: 117).

193. PUCCINIA SCROFULARIÆ.

Maculis pallidis, acervis subrotundis, oblongis aut linearibus confluentibus epidermide rimatim rupta cinctis ; sporidiis confertissimis subglobosis ovalibusve fuscis longe pedicellatis, plicis instructis sed non septatis.

In foliis et caulibus *Scrofulariæ nodosæ*. Autumno.

Fig. 68

Sporisorium colchici Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 194, 1832.
= *Caeoma colchici* Schltdl., Linnaea **1**: 241, 1826.
≡ *Polycystis colchici* (Schltdl.) Lév., Ann. Sci. Nat., Bot., Sér. 3, **8**: 372, 1847.
≡ *Urocystis colchici* (Schltdl.) Rabenh., Fungi Eur. Exs. (Klotzschii Herb. Viv. Mycol. Continuatio, Ed. Nova, Ser. Sec.), Cent. 4: no. 396, 1861 [Bot. Zeitung 19: 296, 1861], nom. inval. (Art. 35.1).
≡ ***Urocystis colchici*** (Schltdl.) A.A. Fisch. Waldh., Bull. Soc. Imp. Naturalistes Moscou **40**: 258, 1867.
≡ *Tuburcinia colchici* (Schltdl.) Liro, Ann. Univ. Fenn. Aboënsis, Ser. A, **1**(1): 52, 1922.

≡ *Ustilago colchici* (Schltdl.) Sacc. & Trotter, Syll. fung. **23**: 607, 1925.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 194 (fig. 69).

Sporisorium Link Sp. Pl. 2. p. 86.

194. SPORISORIUM COLCHICI.

Maculis nullis, acervis elongatis epidermide rupta cinctis; acervulis sporidiorum subglobosis fusco-fuligineis floccis raris simplicibus septatis immixtis; sporidiis mole inæqualibus.

In foliis *Colchici autumnalis*, Æstate.

Fig. 69

Sporisorium ranunculi Lib., Pl. Crypt. Arduenna, Fasc. 2, no. 195, 1832.
≡ *Tuburcinia ranunculi* (Lib.) Liro, Ann. Univ. Fenn. Aboënsis, Ser. A, **1**(1): 69, 1922.
≡ ***Urocystis ranunculi*** (Lib.) Moesz, A Kárpát-medence üszöggombái: 213, 1950.
Notes: This is a new species name validly published on the label of Lib., Pl. Crypt. Arduenna 195 (fig. 70).

195. SPORISORIUM RANUNCULI.

Maculis nullis; acervis subrotundis bullatis epidermide lacerata cinctis; acervulis sporidiorum globosis nigro-fuligineis, floccis raris simplicibus septatis immixtis; sporidiis diaphanis mole variis.

In foliis *Ranunculi repentis*. Autumno.

Fig. 70

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