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Annotated list of taxonomic novelties published in "Herbarium Vivum Mycologicum" issued by J. F. Klotzsch and G. L. Rabenhorst between 1832 and 1855

Uwe BRAUN

Abstract: Braun, U. 2018: Annotated list of taxonomic novelties published in "Herbarium Vivum Mycologicum" issued by J. F. Klotzsch and G. L. Rabenhorst between 1832 and 1855. Schlechtendalia **34**: 3–90.

New taxa and new combinations published by J. F. Klotzsch and G. L. Rabenhorst in "Herbarium Vivum Mycologicum" in the first half of the 19th century are listed and annotated. References, citations and the synonymy are corrected when necessary. The nomenclature of some taxa is discussed in more detail. The new combination *Asteromella adoxae* is introduced.

Zusammenfassung: Braun, U. 2018: Kommentierte Liste taxonomischer Neuheiten publiziert in "Herbarium Vivum Mycologicum", herausgegeben von J. F. Klotzsch und G. L. Rabenhorst zwischen 1832 und 1855. Schlechtendalia **34**: 3–90.

Neue Taxa und Kombinationen publiziert von J. F. Klotzsch und G. L. Rabenhorst in "Herbarium Vivum Mycologicum" in der ersten Hälfte des 19. Jahrhunderts werden aufgelistet und annotiert. Referenzangaben, Zitate und die Synonymie werden korrigiert falls notwendig. Die Nomenklatur einiger Taxa wird detaillierter besprochen. Die neue Kombination *Asteromella adoxae* wird eingeführt.

Key words: Fungi, nomenclature, exsiccata.

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Introduction

In 1832, Johann F. Klotzsch initiated the exsiccata "Herbarium Vivum Mycologicum" and issued Cent. 1 and 2. Gottlob L. Rabenhorst continued this exsiccata since 1842 and issued Cent. 3 to 20. An index was published by Rabenhorst (1851). Details to this exsiccata, including data of the publication of the particular centuria and announcements in the journals Linnaea, Botanische Zeitung, and Flora are to be found in Kohlmeyer (1962). Additional announcements were published in Archiv der Pharmazie (Lemgo) and Botanisches Centralblatt für Deutschland. Numerous taxonomic novelties were published in "Herbarium Vivum Mycologicum". According to ICN, Art. 30.7 (Ex. 13), descriptions on labels accompanying distributed specimens (exsiccata) are effectively published, i.e., valid names published on printed labels of distributed exsiccata have to be taken into consideration with regard to priority issues of taxa. However, experiences have shown as far that names published in exsiccata have often been neglected or wrongly cited in nomenclature data bases and taxonomic treatments. The particular centuria of "Herbarium Vivum Mycologicum" were prepared and, when ready to be distributed, announcements in several botanical journals were published, i.e., descriptions on printed labels in the exsiccata have priority and names (with repeated descriptions) in the journals are later isonyms (Art. 6.3, Note 2) that have to be disregarded. In some cases, particular centuria were issued even one calendar year earlier [e.g., Cent. 15 in 1850, but announcements in Botanische Zeitung 9 and Flora 34 in 1851]. Numerous names appearing in exsiccata are nomina nuda (without any descriptions or diagnoses) which were validated in later publications by the original author or other authors, either as "ex cases" or as "combinations" under other genus names. In the latter case, the validated names must be attributed to the validating authors alone. The search for first validations of such names was one of the tasks of the present work, which in general aimed at improving the nomenclature of fungal names published in "Herbarium Vivum Mycologicum". This work was performed in consultation with Index Fungorum and MycoBank, i.e., the results are also meant to be groundwork for these databases.

An almost complete set of "Herbarium Vivum Mycologicum" (only Cent. 3 is lacking) preserved in HAL was the base for the present nomenclatural study and reassessment of names. Some types have been re-examined in order to clarify the identity of the taxa concerned. In other cases, currently used and recognized names are cited and highlighted in bold.

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Annotated list of taxa

Cent. 1

Oncomyces mesentericus (Retz.) Klotzsch, Herb. Viv. Mycol., Cent. 1: no. 45, 1832 [and Linnaea **8**: 18, 1833], nom. inval. (Art. 25.1).
Notes: The genus name *Oncomyces* was not described by Klotzsch (nom. nud.). Therefore, his combination *O. mesentericus* is also invalid.

Erysiphe communis var. *geranii* Klotzsch, Herb. Viv. Mycol., Cent. 1: no. 64, 1832 [and Linnaea **8**: 18, 1833], nom. nud.
= ***Podosphaera fugax*** (Penz. & Sacc.) U. Braun & S. Takam., Schlechtendalia **4**: 29, 2000.
Notes: Klotzsch, Herb. Viv. Mycol. 64, deposited at HAL, has been examined and proved to be *Podosphaera fugax* (Braun & Cook 2012).

Erysiphe urticae Klotzsch, Herb. Viv. Mycol., Cent. 1: no. 65, 1832 [and Linnaea **8**: 18, 1833], nom. nud.
= ***Erysiphe urticae*** (Wallr.) S. Blumer, Beitr. Kryptfl. Schweiz **7**(1): 224, 1933 [Braun & Cook 2012].

Heterosporium ornithogali Klotzsch, Herb. Viv. Mycol., Cent. 1: no. 69, 1832 [and Linnaea **8**: 18, 1833], nom. nud.
≡ *Heterosporium ornithogali* Klotzsch ex Cooke, Grevillea **5**(35): 123, 1877.
≡ ***Cladosporium ornithogali*** (Klotzsch ex Cooke) G.A. de Vries, Contrib. Knowledge of the Genus *Cladosporium* Link ex Fries: 491, 1952)[David 1997, Bensch et al. 2012].

Caeoma schlechtendalii Klotzsch, Herb. Viv. Mycol., Cent. 1: no. 87, 1832 [and Linnaea **8**: 19, 1833], nom. nud.
= ***Thecaphora saponariae*** (F. Rudolphi) Vánky, Mycotaxon **69**: 94, 1998.
Notes: Vánky & Lutz (2007) revised *Thecaphora saponariae* s. lat. on the basis of a morphological reassessment supplemented by results of molecular sequence analyses. Collections on *Dianthus* spp. belong to *T. saponariae* s. str.

Cent. 2

Colpoma verrucosum Wallr., in Klotzsch, Herb. Viv. Mycol., Cent. 2: no. 107, 1832, nom. nud.
≡ *Colpoma verrucosum* Wallr., Fl. Crypt. Germ. (Norimbergae) **2**: 422, 1833.
≡ ***Leptotrochila verrucosa*** (Wallr.) Schüepp, Phytopath. Z. **36**: 257, 1959.

Aschion fuscum Wallr**.**, in Klotzsch, Herb. Viv. Mycol., Cent. 2: no. 151, 1832, nom. nud.
≡ *Aschion fuscum* Wallr**.**, Fl. Crypt. Germ. (Norimbergae) **2**: 866, 1833.
= ***Tuber excavatum*** Vittad., Monogr. Tuberac. (Milano): 49, 1831.

Sphaeria capitellata Klotzsch, Herb. Viv. Mycol., Cent. 2: no. 161, 1832, nom. nud.
≡ *Sphaeria capitellata* Klotzsch ex Rabenh., Deutschl. Krypt.-Fl. (Leipzig) **1**: 182, 1844.
= ***Massaria anomia*** (Fr.) Petr., Ann. Mycol. **21**(1/2): 114, 1923.

Heterosporium circinale Klotzsch, Herb. Viv. Mycol., Cent. 2: no. 188, 1832, nom. nud.
= ***Cladosporium echinulatum*** (Berk.) G.A. de Vries, Contrib. Knowledge of the Genus *Cladosporium* Link ex Fries: 49, 1952).

Erysibe antherarum (DC.) Wallr., in Klotzsch, Herb. Viv. Mycol., Cent. 2: no. 192, 1832 [and Wallr., Fl. crypt. Germ. (Norimbergae) **2**: 217, 1833, later isonym].
= ***Microbotryum violaceum*** (Pers) G. Deml & Oberw., Phytopathol. Z. **104**(4): 353, 1982.

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Erysibe maydis (DC.) Wallr., in Klotzsch, Herb. Viv. Mycol., Cent. 2: no. 193, 1832 [and Wallr., Fl. crypt. Germ. (Norimbergae) **2**: 215, 1833, later isonym].
= ***Ustilago maydis*** (DC.) Corda, Icon. fung. (Prague) **5**: 3, 1842.

Cent. 3

Sphaeria asari Klotzsch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 3: no. 250, 1842 [and Bot. Zeitung **1**: 31, 1843], nom. nud.
≡ *Sphaeria asari* Klotzsch ex Rabenh., Deutschl. Krypt.-Fl. (Leipzig) **1**: 172, 1844.

Uredo filicum (Link) Klotzsch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 3: no. 293, 1842 [and Bot. Zeitung **1**: 31, 1843], nom. illeg. (Art. 53.1), non Desm., 1826.
≡ *Caeoma filicum* Link, Sp. pl., Edn. 4, **6**(2): 36, 1825.

Cent. 4

Agaricus hiemalis Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 4: no. 306, 1842 [and Bot. Zeitung **1**: 516, 1843], nom. illeg., non Osbeck 1788.
= ***Mycena galericulata*** (Scop.) Gray, Nat. Arr. Brit. Pl. (London) **1**: 619, 1821.
Notes: Published with a diagnosis on the label ("Diff. ab A. galericulato pileo laevi viscoso").

Peziza dehnii Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 4: no. 334, 1842 [and Bot. Zeitung **1**: 516, 1843], nom. nud.
≡ *Peziza dehnii* Rabenh., Bot. Zeitung **1**: 12, 1843.
≡ ***Leptotrochila dehnii*** (Rabenh.) Jørst., Skr. Norske Vidensk.-Akad., Mat.-Naturv. Kl., N.S. **10**: 29, 1963.

Peziza artemisiae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 4: no. 335, 1842 [and Bot. Zeitung **1**: 516, 1843], nom. nud.
≡ *Peziza artemisiae* Lasch ex Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 344, Leipzig 1844.
≡ ***Pyrenopeziza artemisiae*** (Lasch ex Rabenh.) Sacc., Syll. Fung. **8**: 359, 1889.
Notes: Saccardo (1889) published this name as combination based on *Peziza artemisiae* Lasch. However, the latter name is a nom. nud., which was validated by Rabenhorst (l.c.) who added a description.

Peziza aterrima Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 4: no. 336/337, 1842 [and Bot. Zeitung **1**: 516, 1843], nom. nud.
≡ *Peziza aterrima* Lasch ex Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 359, Leipzig 1844.
≡ ***Pirottaea aterrima*** (Lasch ex Rabenh.) Sacc., Syll. Fung. **8**: 389, 1889.

Sphaeria (*Depazea*) *trientalis* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 4: no. 364, 1842 [and Bot. Zeitung **1**: 516, 1843], nom. nud.
≡ *Depazea trientalis* Lasch ex Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 138, Leipzig 1844.
≡ ***Septoria trientalis*** (Lasch ex Rabenh.) Sacc., Bull. Soc. Mycol. Fr. **5**(4): 121, 1890, as "(Lasch) Sacc."
Notes: This species was valided as *Depazea trientalis* by Rabenhorst (1844) and later reallocated to *Septoria* by Saccardo (1890) with reference to *Sphaeria* (*Depazea*) *trientalis* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 4: no. 364, 1842.

Sphaeria (*Depazea*) *callae* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 4: no. 368, 1842 [and Bot. Zeitung **1**: 517, 1843], nom. nud.
≡ *Depazea callae* Lasch ex Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 138, Leipzig 1844.
≡ *Spilosphaeria callae* (Lasch ex Rabenh.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nov., Ser. Prima, Cent. 6: no. 554, 1857.

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≡ ***Septoria callae*** (Lasch ex Rabenh.) Sacc., Bull. Soc. Mycol. Fr. **5**(4): 122, 1890.

Sphaeria (*Depazea*) *oenotherae* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 4: no. 369, 1842 [and Bot. Zeitung **1**: 517, 1843], nom. nud.
≡ *Depazea oenotherae* Lasch ex Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 138, Leipzig 1844.
= ***Septoria oenotherae*** Westend., Bull. Acad. R. Sci. Belg., Cl. Sci., Sér. 2, **2**(7): 575, 1857.

Sphaeria (*Depazea*) *meliloti* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 4: no. 370, 1842 [and Bot. Zeitung **1**: 517, 1843], nom. nud.
≡ *Depazea meliloti* Lasch ex Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 138, Leipzig 1844.
≡ ***Septoria meliloti*** (Lasch ex Rabenh.) Sacc., Bull. Soc. Mycol. Fr. **5**(4): 122, 1890.

Dothidea (*Sphaeria*) *astragali* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 4: no. 378, 1842 [and Bot. Zeitung **1**: 517, 1843], nom. nud.
≡ *Sphaeria astragali* Lasch ex Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 187, Leipzig 1844.
≡ ***Stigmatula astragali*** (Lasch ex Rabenh.) P.F. Cannon, Mycopathologia **135**(1): 65, 1996.

Cent. 5

Depazea stemmatea (Fr.) Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 5: no. 433, 1843 [and Bot. Zeitung **2**: 172, 1844].
≡ *Sphaeria stemmatea* Fr., Syst. mycol. **2**(2): 528, 1823.
≡ ***Mycosphaerella stemmatea*** (Fr.) Romell, Fungi Paras. Scand. Exs., Fasc. **1**: no. 68, 1890.

Erysiphe circumfusa var. *bidentis* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 5: no. 445, 1843 [and Bot. Zeitung **2**: 172, 1844], nom. nud.
≡ ***Podosphaera xanthii*** (Castagne) U. Braun & Shishkoff, in Braun & Takamatsu, Schlechtendalia **4**: 31, 2000.

Septoria padi Lasch [as "*Septaria*"], in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 5: no. 457, 1843 [and Bot. Zeitung **2**: 172, 1844], nom. nud.
≡ *Septoria padi* Lasch ex Rabenh. [as "*Septaria*"], Deutschl. Krypt.-Fl. **1** (Pilze): 579, Leipzig 1844.
= ***Blumeriella jaapii*** (Rehm) Arx, Phytopathol. Z. **42**(2): 164, 1961.
Notes: Johnston et al. (2014) proposed to conserve the younger teleomorph-typified *Blumeriella jaapii* against the older anamorph-typified name *Ascochyta padi* Lib.

Septoria podagrariae Lasch [as "*Septaria potagrariae*"], in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 5: no. 458, 1843 [and Bot. Zeitung **2**: 172, 1844], nom. nud.
≡ *Septoria podagrariae* Lasch ex Sacc., Syll. Fung. **3**: 529, 1884, nom. illeg. (Art. 52.1).
= *Mycosphaerella podagrariae* (Roth) Petr., Ann. Mycol. **19**(3-4): 203, 1921.
Notes: *Septoria podagrariae* Lasch ex Sacc. is illegitimate (superfluous name) since *Septoria aegopodi* Desm., 1832, was cited as synonym in the protologue.

Septoria sorbi Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 5: no. 459, 1843 [and Bot. Zeitung **2**: 172, 1844], nom. nud.
≡ *Cryptosporium sorbi* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Ser. Secunda, Cent. 2: no. 160, 1860, nom. nud.
≡ *Septoria sorbi* Fuckel [as (Ces.) Fuckel], Jahrb. Nassauischen Vereins Naturk. **23**–**24**: 390, 1870, nom. nud.
≡ *Phoma sorbi* Sacc. [as "(Lasch) Sacc."], Syll. Fung. **3**: 529, 1884.
≡ ***Septoria sorbi*** (Sacc.) Sacc. [as "Sacc."], Bull. Soc. Mycol. Fr. **5**(4): 121, 1890.

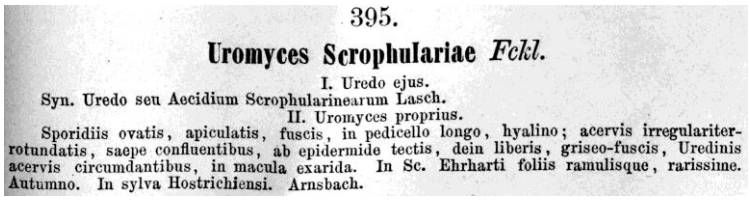
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Puccinia verrucosa var. *stellariae* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 5: no. 471, 1843 [and Bot. Zeitung **2**: 173, 1844], nom. nud.
= ***Puccinia arenariae*** (Schumach.) J. Schröt., Hedwigia **19**: 38, 1880.

Uredo lapsanae Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 5: no. 478, 1843 [and Bot. Zeitung **2**: 173, 1844], nom. nud.
= ***Puccinia lapsanae*** (Schultz) Fuckel, [as "*lampsana*"], *Jahrb. Nassauischen Vereins Naturk.* **15**: 13, 1860.

Uredo ribicola Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 5: no. 490, 1843 [and Bot. Zeitung **2**: 173, 1844], nom. nud.
≡ *Uredo ribicola* Lasch ex Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 579, Leipzig 1844.
= ***Cronartium ribicola*** J.C. Fisch., Hedwigia **11**: 182, 1872.
Notes: *Uredo ribicola* Cooke & Ellis is a nom. illeg. (younger homonym of *Uredo ribicola* Lasch ex Rabenh.), which has nomenclatural consequences for ***Coleosporium ribicola*** Arthur [as "(Cooke & Ellis) Arthur"], N. Amer. Fl. **7**(2): 86, New York 1907.

Uredo scrophulariae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 5: no. 498, 1843 [and Bot. Zeitung **2**: 173, 1844], nom. nud.
≡ *Uredo scrophulariae* Lasch ex Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 579, Leipzig 1844.
= ***Uromyces scrophulariae*** Fuckel, Fungi Rhen. Exs., Fasc. **5**: no. 395, 1863.
Notes: *Uromyces scrophulariae* Fuckel is the correct valid name for this species. Fuckel, Fungi Rhen. Exs., Fasc. **5**: no. 395, 1863, cited *Uredo scrophulariae* (nom. nud.) and *Aecidium scrophularinearum* (nom. nud.) as synonyms (fig. 1).


395.

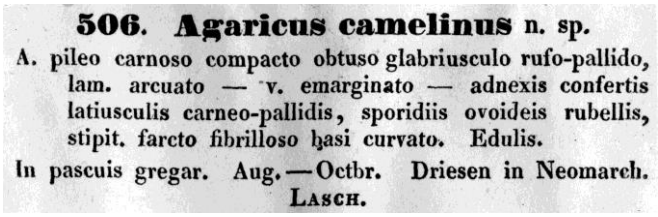
Uromyces Scrophulariae *Fckl.*

I. Uredo ejus.
Syn. Uredo seu Aecidium Scrophularinearum Lasch.
II. Uromyces proprius.
Sporidiis ovatis, apiculatis, fuscis, in pedicello longo, hyalino; acervis irregulariter-rotundatis, saepe confluentibus, ab epidermide tectis, dein liberis, griseo-fuscis, Uredinis acervis circumdantibus, in macula exarida. In Sc. Ehrharti foliis ramulisque, rarissime. Autumno. In sylva Hostrichiensi. Arnsbach.

Fig. 1

Cent. 6

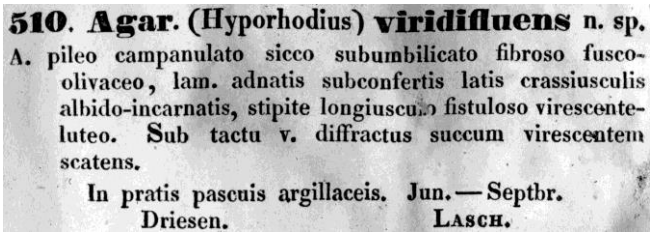
Agaricus camelinus Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 6: no. 506, 1844 [and Arch. Pharm. (Lemgo) **89**: 126, 1844; Bot. Zeitung **2**: 425, 1844].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 506 (fig. 2).


506. Agaricus camelinus n. sp.

A. pileo carnoso compacto obtuso glabriusculo rufo-pallido, lam. arcuato — v. emarginato — adnexis confertis latiusculis carneo-pallidis, sporidiis ovoideis rubellis, stipit. farcto fibrilloso basi curvato. Edulis.

In pascuis gregar. Aug.—Octbr. Driesen in Neomarch.
LASCH.

Fig. 2


510. Agar. (Hyporhodius) viridifluens n. sp.

A. pileo campanulato sicco subumbilicato fibroso fusco-olivaceo, lam. adnatis subconfertis latis crassiusculis albido-incarnatis, stipite longiusculo fistuloso virescente-luteo. Sub tactu v. diffractus succum virescentem scatens.

In pratis pascuis argillaceis. Jun.—Septbr.
Driesen. LASCH.

Fig. 3

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Agaricus viridifluens Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 6: no. 510, 1844 [and Arch. Pharm. (Lemgo) **89**: 126, 1844; Bot. Zeitung **2**: 425, 1844].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 519 (fig. 3).

Sclerotium umbilicatum Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 6: no. 531, 1844 [and Arch. Pharm. (Lemgo) **89**: 127, 1844; Bot. Zeitung **2**: 426, 1844].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 531 (fig. 4).

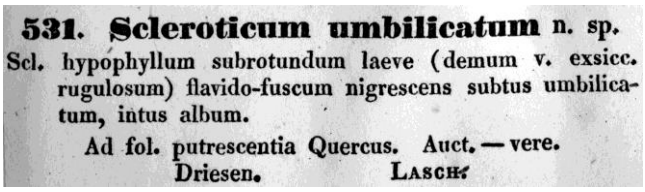

531. Scleroticum umbilicatum n. sp.
Scl. hypophyllum subrotundum laeve (demum v. exsicc. rugulosum) flavido-fuscum nigrescens subtus umbilicatum, intus album.
Ad fol. putrescentia Quercus. Auct. — vere.
Driesen. Lasch.

Fig. 4

Sphaeria hispidula Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 6: no. 535, 1844 [and Arch. Pharm. (Lemgo) **89**: 127, 1844; Bot. Zeitung **2**: 426, 1844].
Notes: Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 535 (fig. 5). According to Saccardo (1890) identical with *Coniochaeta ligniaria* (Grev.) Massee (≡ *Rosellinia ligniaria* (Grev.) Nitschke).


535. Sphæria hispidula n. sp.
Sph. atra, perith. seriatis v. confertis e subrotundo-ovatis, pilis brevibus hispidulis glabrescentibus, ostiolo obsoleto.
Ad ramos decorticatos Fagi sylvatic. pr. Driesen. Auct.—vere.
Lasch.

Fig. 5

Sphaeria brassicae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 6: no. 550, 1844 [and Bot. Zeitung **2**: 426, 1844], nom. illeg. (Art. 53.1), non (Bergius) Dicks., 1785.
Notes: According to Saccardo (1890) identical with *Pleospora herbarum* (Pers.) Rabenh. ex Ces. & De Not.

Sphaeria archangelicae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 6: no. 552, 1844 [and Arch. Pharm. (Lemgo) **89**: 127, 1844; Bot. Zeitung **2**: 426, 1844], nom. nud.
Notes: According to Saccardo (1890) identical with *Stigmatea ostruthii* (Fr.) Oudem. ex Sacc.

Dothidea alismatis Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 6: no. 553, 1844 [and Arch. Pharm. (Lemgo) **89**: 127, 1844; Bot. Zeitung **2**: 426, 1844], nom. nud.
= ***Doassansia alismatis*** (Nees ex Fr.) Cornu, Ann. Sci. Nat., Bot., Sér. 6, **15**: 285, 1883 [according to Saccardo 1888].

Depazea stachydicola Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 6: no. 565, 1844 [and Arch. Pharm. (Lemgo) **89**: 127, 1844; Bot. Zeitung **2**: 426, 1844], nom. nud.
= ***Septoria stachydis*** Roberge ex Desm., Ann. Sci. Nat., Bot., Sér. 3, **8**: 19, 1847.

Depazea polygonicola Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 6: no. 566, 1844 [and Arch. Pharm. (Lemgo) **89**: 127, 1844; Bot. Zeitung **2**: 426, 1844], nom. nud.
≡ ***Septoria polygonicola*** Sacc. [as "(Lasch) Sacc."], Bull. Soc. Mycol. Fr. **5**(4): 121, 1890.

Depazea rhamnicola Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 6: no. 567, 1844 [and Arch. Pharm. (Lemgo) **89**: 127, 1844; Bot. Zeitung **2**: 426, 1844], nom. nud.

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Notes: Saccardo (1884) considered *Depazea rhamnicola* a synonym of *Phyllosticta rhamnicola* Desm., which is, however, a doubtful, unclear name, probably based on immature ascomata of *Guignardia rhamni* Reusser (see van der Aa & Vanev 2002).

Depazea grossulariicola Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 6: no. 568, 1844 [and Arch. Pharm. (Lemgo) **89**: 127, 1844; Bot. Zeitung **2**: 426, 1844], nom. nud.
Notes: According to Saccardo (1890) identical with *Mycosphaerella grossulariae* (Fr.) Lindau (≡ *Sphaerella grossulariae* (Fr. : Fr) Auersw.), which is, however, an unclear and doubtful species, morphologically indistinguishable from *Pleospora herbarum* (Pers. : Fr.) Rabenh, and this name was applied to different ascomycetes (Aptroot 2006).

Depazea syringicola Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 6: no. 569, 1844 [and Arch. Pharm. (Lemgo) **89**: 127, 1844; Bot. Zeitung **2**: 426, 1844], nom. nud.
Notes: According to Saccardo (1890) identical with *Ascochyta syringae* (Westend.) Bres. (≡ *Phyllosticta syringae* Westend.).

Depazea ficariicola Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 6: no. 570, 1844 [and Arch. Pharm. (Lemgo) **89**: 127, 1844; Bot. Zeitung **2**: 426, 1844].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 570 (fig. 6). According to Saccardo (1890) identical with *Septoria ficariae* Desm.


570. Depazea Ficariæcola Lasch.
Maculis fusco-cinereis, dein albidis, perith. e subrotundo depressis, inaequaliter apertis.
Ad folia Fiscariae. Aestate.

Fig. 6

Dacrymyces acuum Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 6: no. 571, 1844 [and Arch. Pharm. (Lemgo) **89**: 127, 1844; Bot. Zeitung **2**: 427, 1844].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 510 (fig. 7).

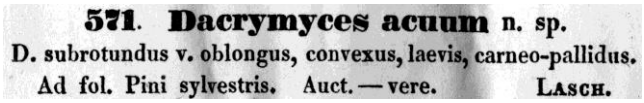

571. Dacrymyces acuum n. sp.
D. subrotundus v. oblongus, convexus, laevis, carneo-pallidus.
Ad fol. Pini sylvestris. Auct. — vere. Lasch.

Fig. 7

Uredo filipendulae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 6: no. 580, 1844 [and Arch. Pharm. (Lemgo) **89**: 127, 1844; Bot. Zeitung **2**: 427, 1844].
≡ ***Triphragmium filipendulae*** (Lasch) Pass., Nuovo Giorn. Bot. Ital. **7**(3): 255, 1875.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 580 (fig. 8).

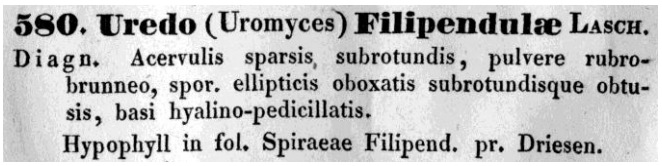

580. Uredo (Uromyces) Filipendulæ Lasch.
Diagn. Acervulis sparsis, subrotundis, pulvere rubro-brunneo, spor. ellipticis oboxatis subrotundisque obtusis, basi hyalino-pedicillatis.
Hypophyll in fol. Spiraeae Filipend. pr. Driesen.

Fig. 8

Cent. 7

Agaricus rutaceus Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 7: no. 606, 1844 [and Arch. Pharm. (Lemgo) **91**: 374, 1845; Bot. Zeitung **3**(4): 65, 1845].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 606 (fig. 9).

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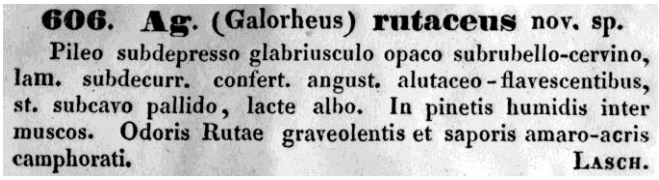

606. Ag. (Galorheus) rutaceus nov. sp.
Pileo subdepresso glabriusculo opaco subrubello-cervino, lam. subdecurr. confert. angust. alutaceo-flavescentibus, st. subcavo pallido, lacte albo. In pinetis humidis inter muscos. Odoris Rutae graveolentis et saporis amaro-acris camphorati. Lasch.

Fig. 9

Peziza humuli Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 7: no. 630, 1844 [and Arch. Pharm. (Lemgo) **91**: 374, 1845; Bot. Zeitung **3**(4): 66, 1845].
≡ ***Hymenoscyphus humuli*** (Lasch) Dennis, Persoonia **3**(1): 76, 1964.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 630 (fig. 10).

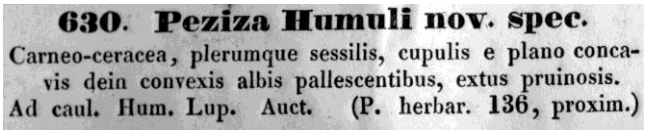

630. Peziza Humuli nov. spec.
Carneo-ceracea, plerumque sessilis, cupulis e plano concavis dein convexis albis pallescentibus, extus pruinosis. Ad caul. Hum. Lup. Auct. (P. herbar. 136, proxim.)

Fig. 10

Peziza veronicae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 7: no. 632, 1844 [and Arch. Pharm. (Lemgo) **91**: 374, 1845; Bot. Zeitung **3**(4): 66, 1845].
≡ ***Lachnella veronicae*** (Lasch) Boud, Hist. Class. Discom. Eur. (Paris): 124, 1907.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 632 (fig. 11).

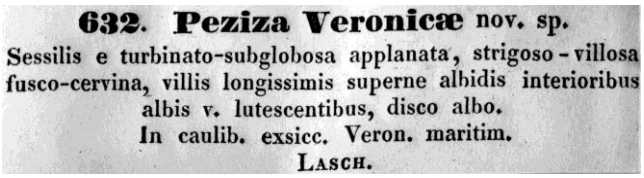

632. Peziza Veronicæ nov. sp.
Sessilis e turbinato-subglobosa applanata, strigoso-villosa fusco-cervina, villis longissimis superne albidis interioribus albis v. lutescentibus, disco albo.
In caulib. exsicc. Veron. maritim.
Lasch.

Fig. 11

Peziza rubi Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 7: no. 635, 1844 [and Arch. Pharm. (Lemgo) **91**: 374, 1845; Bot. Zeitung **3**(4): 66, 1845].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 635 (fig. 12).


635. Peziza rubi nov. spec.
Sessilis ceracea hemisphaerica applanata, extus rugulosa leviter tomentosa flava, disco plano dein subconvexiusculo pulverulento colore diluciori.
Ad caules emort. Rubi nitidi et fastigiati. Auct. — hyeme Driesen. Lasch.

Fig. 12

Cenangium populi Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 7: no. 636, 1844 [and Arch. Pharm. (Lemgo) **91**: 375, 1845; Bot. Zeitung **3**(4): 66, 1845].
Notes: This is a valid name, published with a brief description ("Iun. sphaeriaeforme!").
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 636 (fig. 13).

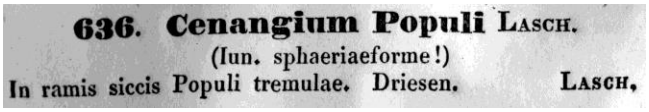

636. Cenangium Populi Lasch.
(Iun. sphaeriaeforme!)
In ramis siccis Populi tremulae. Driesen. Lasch.

Fig. 13

Stictis tiliae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 7: no. 638, 1844 [and Arch. Pharm. (Lemgo) **91**: 375, 1845; Bot. Zeitung **3**(4): 66, 1845].

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≡ ***Achroomyces tiliae*** (Lasch) Höhn., Ann. Mycol. **2**(3): 272. 1904.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 638 (fig. 14).


638. Stictis Tiliæ nov. spec.
Carnoso-subtremellosa erumpens subrotunda convexa albido-pallescens demum planiuscula et sublobata.
In ramis decid. Tiliae parvifol. Hieme.

Fig. 14

Sphaeria typhae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 7: no. 660, 1844 [and Arch. Pharm. (Lemgo) **91**: 375, 1845; Bot. Zeitung **3**(4): 67, 1845], nom. illeg. (Art. 53.1).
≡ *Mycosphaerella typhae* (Lasch) Lindau, Natürlichen Pflanzenf.: 425, 1897, nom. illeg. (Art. 53.1).
= ***Phaeosphaeria eustoma*** (Fuckel) L. Holm, Symb. Bot. Upsal. **14**(3): 109, 1957 [according to Aptroot (2004)].
Notes: Published with a description on the label of Klotzschii Herb. Viv. Mycol. 660 (fig. 15), but this name is illegitimate (younger homonym).

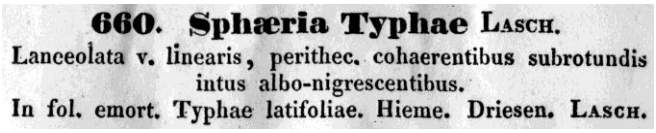

660. Sphæria Typhae Lasch.
Lanceolata v. linearis, perithec. cohaerentibus subrotundis intus albo-nigrescentibus.
In fol. emort. Typhae latifoliae. Hieme. Driesen. Lasch.

Fig. 15

Sphaeria inclusa Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 7: no. 661, 1844 [and Arch. Pharm. (Lemgo) **91**: 375, 1845; Bot. Zeitung **3**(4): 67, 1845].
≡ *Pyrenophora inclusa* (Lasch) Sacc., Syll. Fung. **2**: 279, 1883.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 661 (fig. 16). Listed in Saccardo (1883) under "species dubia" (doubtful species).

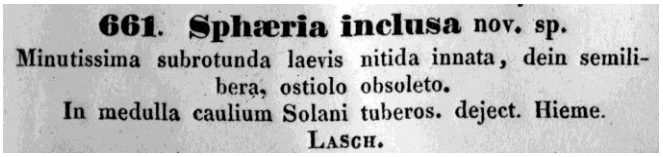

661. Sphæria inclusa nov. sp.
Minutissima subrotunda laevis nitida innata, dein semiliberа, ostiolo obsoleto.
In medulla caulium Solani tuberos. deject. Hieme.
Lasch.

Fig. 16

Sphaeria vaginae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 7: no. 663, 1844 [and Arch. Pharm. (Lemgo) **91**: 375, 1845; Bot. Zeitung **3**(4): 67, 1845].
≡ *Laestadia vaginae* (Lasch) Sacc., Syll. Fung. **1**: 431, 1882.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 663 (fig. 17).

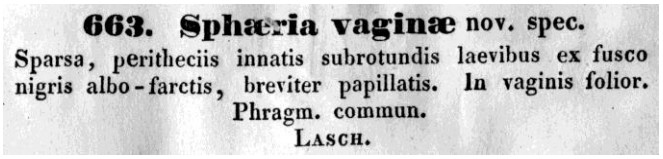

663. Sphæria vaginæ nov. spec.
Sparsa, peritheciis innatis subrotundis laevibus ex fusco nigris albo-farctis, breviter papillatis. In vaginis folior. Phragm. commun.
Lasch.

Fig. 17

Sphaeria campanulae (DC.) Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 7: no. 670, 1844 [and Arch. Pharm. (Lemgo) **91**: 375, 1845; Bot. Zeitung **3**(4): 67, 1845].
≡ *Xyloma campanulae* DC., in de Candolle & Lamarck, Fl. franç., Edn 3 (Paris) **5/6**: 159, 1815.
≡ ***Leptotrochila campanulae*** (DC.) Rossman, in Johnston, Seifert, Stone, Rossman & Marvanová, IMA Fungus **5**(1): 101, 2014.
Notes: The combination *Sphaeria campanulae* was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 670 (fig. 18).

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670. Sphæria Campanulæ mihi
(Dothidea Campanulae DeC. Rabenh. Handb. I. 166.)
In foliis Campanulae pr. Sonnewalde (Lusat. infer.)
Kretzschmar.

Fig. 18

Dothidea juncaginearum Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 7: no. 672, 1844 [and Arch. Pharm. (Lemgo) **91**: 375, 1845; Bot. Zeitung **3**(4): 67, 1845].
≡ ***Venturia juncaginearum*** (Lasch) M.E. Barr, Canad. J. Bot. **46**: 822, 1968.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 672 (fig. 19).

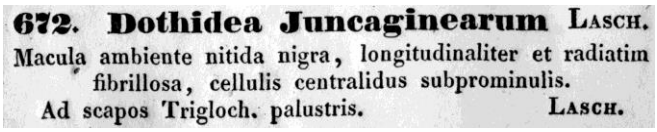

672. Dothidea Juncaginearum Lasch.
Macula ambiente nitida nigra, longitudinaliter et radiatim fibrillosa, cellulis centralidus subprominulis.
Ad scapos Trigloch. palustris. Lasch.

Fig. 19

Excipula typhae Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 7: no. 677, 1844 [and Arch. Pharm. (Lemgo) **91**: 375, 1845; Bot. Zeitung **3**(4): 67, 1845].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 677 (fig. 20).

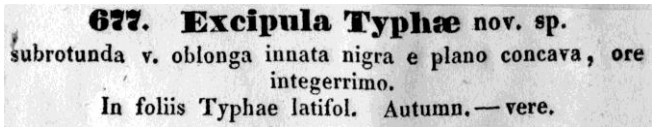

677. Excipula Typhæ nov. sp.
subrotunda v. oblonga innata nigra e plano concava, ore integerrimo.
In foliis Typhae latifol. Autumn. — vere.

Fig. 20

Excipula galii Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 7: no. 678, 1844 [and Arch. Pharm. (Lemgo) **91**: 375, 1845; Bot. Zeitung **3**(4): 68, 1845].
≡ *Ephelina galii* (Lasch) Sacc., Syll. Fung. **8**: 586, 1889**.**
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 678 (fig. 21).

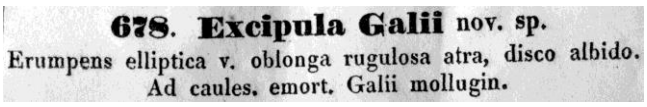

678. Excipula Galii nov. sp.
Erumpens elliptica v. oblonga rugulosa atra, disco albido.
Ad caules. emort. Galii mollugin.

Fig. 21

Ascochyta humuli Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 7: no. 680, 1844 [and Arch. Pharm. (Lemgo) **91**: 375, 1845; Bot. Zeitung **3**(4): 68, 1845].
= *Phloeospora humuli* Westend., Bull. Acad. Roy. Sci. Bruxelles **12**(2): 252, 1845.
≡ ***Septoria humuli*** (Westend.) Westend., Herb. crypt. 188, 1848 [according to Mel'nik (1977)].
Notes: *Ascochyta humuli* is a valid name with a description published on the label of Klotzschii Herb. Viv. Mycol., Cent. 7: no. 680 (fig. 22). The first valid publication of the name *Septoria humuli* has often been wrongly cited. A discussion and clarification of this name was published by Braun & Bensch (2017).

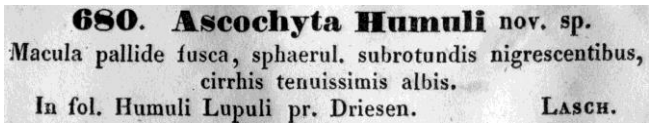

680. Ascochyta Humuli nov. sp.
Macula pallide fusca, sphaerul. subrotundis nigrescentibus, cirrhis tenuissimis albis.
In fol. Humuli Lupuli pr. Driesen. Lasch.

Fig. 22

Aecidium bupleuri Kunze, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 7: no. 690, 1844 [and Arch. Pharm. (Lemgo) **91**: 376, 1845; Bot. Zeitung **3**(4): 68, 1845], nom. nud.

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Notes: "*Aecidium bupleuri* (Kunze)" possibly refers to "*Aecidium sii* f. (ßß) *bupleuri-longifolii* J.C. Schmidt & Kunze, Deutschl. Schwämme, Achte Lieferung: 4, 1818", which is, however speculative. Kunze's forma was not cited. Therefore, *A. bupleuri* cannot be considered to be a new name based on this forma.

Cent. 8

Agaricus aureus Matt. : Fr. var. *truncicola* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 702, 1845 [and Arch. Pharm. (Lemgo) **94**: 253, 1845; Bot. Zeitung **3**: 557, 1845].
≡ *Agaricus quercicola* Lasch, Linnaea **4**: 544, 1829.
Notes: This variety was published without any description, but with reference to *Agaricus quercicola* (fig. 23) as basionym, and can therefore be regarded as new names on new rank.

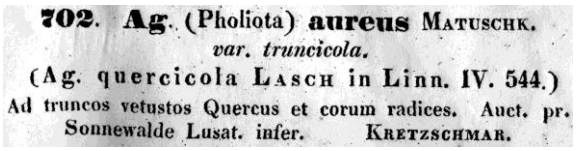

702. Ag. (Pholiota) aureus MATUSCHK.
var. truncicola.
(Ag. quercicola LASCH in Linn. IV. 544.)
Ad truncos vetustos Quercus et corum radices. Auct. pr.
Sonnewalde Lusat. infer. KRETZSCHMAR.

Fig. 23

Agaricus amarellus Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 708, 1845 [and Arch. Pharm. (Lemgo) **94**: 253, 1845; Bot. Zeitung **3**: 557, 1845], nom. superfl. (Art. 52.1).
≡ *Agaricus absinthiatus* Lasch, Linnaea **3**: 382, 1828.
≡ ***Pseudoomphalina absinthiata*** (Lasch) Knudsen, in Knudsen & Hansen, Nordic J. Bot. **11**(4): 480, 1991.
Notes: *Agaricus absinthiatus* was cited in the protologe of *Agaricus amarellus*.

Peziza linariae Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 724, 1845 [and Arch. Pharm. (Lemgo) **94**: 254, 1845; Bot. Zeitung **3**: 557, 1845], nom. nud.
≡ *Heteropatella lacera* f. *linariae* Sacc., Syll. Fung. **3**: 671, 1884.
≡ ***Heterosphaeria linariae*** Rehm [as "(Rabenh.) Rehm"], in Winter, Rabenh. Krypt.-Fl., Edn 2 (Leipzig) **1.3**(Lief. 30): 203 [1896] 1888.
Notes: The name *Heteropatella lacera* f. *linariae* has to be ascribed to Saccardo (*Peziza linariae* was cited by Saccardo (1884), but the later name is a nom. nud. which cannot be basionym for a combination. *Heterosphaeria linariae* was also introduced as combination based on *Peziza linariae*, but must also be ascribed to Rehm alone, who validated this species under *Heterosphaeria* by adding a description.

Peziza scirpi Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 730, 1845 [and Arch. Pharm. (Lemgo) **94**: 254, 1845; Bot. Zeitung **3**: 557, 1845], nom. nud.
= ***Niptera lacustris*** (Fr.) Fr., Summa Veg. Scand., Sectio Post. (Stockholm): 359, 1849.

Sphaeria delphinii Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 747, 1845 [and Arch. Pharm. (Lemgo) **94**: 254, 1845; Bot. Zeitung **3**: 558, 1845], nom. nud.
≡ *Phoma delphinii* Cooke [as "(Rabenh.) Cooke"], Grevillea **20**(96): 113, 1892.
Notes: Cooke (l.c.) validated this species under *Phoma* by adding a brief description.

Sphaeria (*Depazea*) *sagittariae* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 751, 1845 [and Arch. Pharm. (Lemgo) **94**: 254, 1845; Bot. Zeitung **3**: 558, 1845], nom. nud.

Sphaeria (*Depazea*) *maianthemi* Rabenh. [as "*majanthemi*"], Klotzschii Herb. Viv. Mycol., Cent. 8: no. 752, 1845 [and Arch. Pharm. (Lemgo) **94**: 254, 1845; Bot. Zeitung **3**: 558, 1845], nom. nud.

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Sphaeria spinaciae var. *chenopodii* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 753, 1845 [and Arch. Pharm. (Lemgo) **94**: 254, 1845; Bot. Zeitung **3**: 558, 1845], nom. nud.

Sphaeria lychnidis var. *saponariae* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 755, 1845 [and Arch. Pharm. (Lemgo) **94**: 254, 1845; Bot. Zeitung **3**: 558, 1845], nom. nud.

Sphaeria pulsatillae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 759, 1845 [and Arch. Pharm. (Lemgo) **94**: 254, 1845; Bot. Zeitung **3**: 558, 1845], nom. nud.
≡ *Sphaerella pulsatillae* Auersw. [as "(Lasch) Auersw."], in Gonnermann & Rabenhorst, Mycol. eur. Abbild. Sämmtl. Pilze Eur. **5–6**: 12, 1869.
≡ *Mycosphaerella pulsatillae* (Auersw.) Johanson [as "(Lasch) Johanson"], Öfvers. K. Svensk. Vetensk.-Akad. Förhandl. **41**(9): 165, 1884.
Notes: The type material only contains a coelomycete of unclear status (see Aptroot 2004).

Sphaeria (*Dothidea*) *xanthii* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 760, 1845 [and Arch. Pharm. (Lemgo) **94**: 254, 1845; Bot. Zeitung **3**: 558, 1845], nom. nud.
≡ *Rhaphidospora xanthii* Ces. & De Not. [as "(Lasch) Ces. & De Not."], Comm. Soc. Crittog. Ital. **4**: 234, 1863.
≡ ***Ophiobolus xanthii*** (Ces. & De Not.) Sacc. [as "(Lasch) Sacc."], Syll. Fung. **2**: 342, 1883.

Rhytisma padi Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 761, 1845 [and Arch. Pharm. (Lemgo) **94**: 254, 1845; Bot. Zeitung **3**: 558, 1845], nom. nud.

Cytispora salicis Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 763, 1845 [and Arch. Pharm. (Lemgo) **94**: 254, 1845; Bot. Zeitung **3**: 558, 1845], nom. nud.

Cytispora betulina Ehrenb., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 764, 1845 [and Arch. Pharm. (Lemgo) **94**: 254, 1845; Bot. Zeitung **3**: 558, 1845].
Notes: This is a valid name published with a brief description on the label of Klotzschii Herb. Viv. Mycol. 764 (fig. 24).

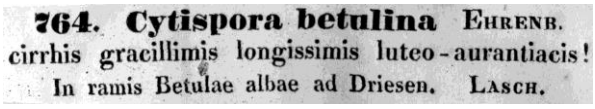

764. Cytispora betulina Ehrenb.
cirrhis gracillimis longissimis luteo-aurantiacis!
In ramis Betulae albae ad Driesen. Lasch.

Fig. 24

Cytispora carphosperma var. *pyri* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 765, 1845 [and Arch. Pharm. (Lemgo) **94**: 254, 1845; Bot. Zeitung **3**: 558, 1845], nom. nud.

Leptostroma herbarum (Fr.) Link var. *euphorbiae* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 768, 1845 [and Arch. Pharm. (Lemgo) **91**: 254, 1845; Bot. Zeitung **3**: 558, 1845], nom. nud.

Helminthosporium didymosporium Kunze, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 779, 1845 [and Arch. Pharm. (Lemgo) **94**: 254, 1845; Bot. Zeitung **3**: 558, 1845], nom. nud.

Aecidium adoxae Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 780, 1845 [and Arch. Pharm. (Lemgo) **94**: 255, 1845; Bot. Zeitung **3**: 558, 1845], nom. nud.
= ***Puccinia albescens*** (Grev.) Plowr., A Monograph of the British Uredineae and Ustilagineae: 153, 1889.

Aecidium scrophulariacearum Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 784, 1845 [and Arch. Pharm. (Lemgo) **94**: 255, 1845; Bot. Zeitung **3**: 558, 1845], nom. nud.
= ***Uromyces scrophulariae*** Fuckel, Fungi Rhen. Exs., Fasc. 4: no. 395, 1863.

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Notes: Fuckel (l.c.) cited *Aecidium scrophulariacearum* as synonym of *Uromyces scrophulariae*, which he validly published in 1863 in "Fungi Rhen. Exs., Fasc. 4: no. 395" (with description on the label, see Fig. 1).

Puccinia cicutae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 787, 1845 [and Arch. Pharm. (Lemgo) **94**: 255, 1845; Bot. Zeitung **3**: 558, 1845].
Notes: The name *Puccinia cicutae* Lasch is validly published in Rabenh., Klotzschii Herb. Viv. Mycol. 787 with a brief description on the label, repeated in Bot. Zeitung **3**: 558, 1845 (see fig. 25).

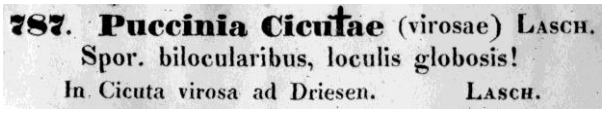

787. Puccinia Cicutae (virosae) LASCH.
Spor. bilocularibus, loculis globosis!
In Cicuta virosa ad Driesen. LASCH.

Fig. 25

Puccinia spergulae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 788, 1845 [and Arch. Pharm. (Lemgo) **94**: 255, 1845; Bot. Zeitung **3**: 558, 1845], nom. nud. (and homonym of *Puccinia spergulae* DC., 1805).

Puccinia centaureae DC. var. *cirsii* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 8: no. 791, 1845 [and Arch. Pharm. (Lemgo) **94**: 255, 1845; Bot. Zeitung **3**: 559, 1845].
= ***Puccinia cnici*** H. Mart., Prodr. Fl. Mosq., Edn 2: 227, 1817.
Notes: *Puccinia centaureae* var. *cirsii* is a valid name with a brief description on the label of Klotzschii Herb. Viv. Mycol. 791, repeated in Bot. Zeitung **3**: 559, 1845 (fig. 26).

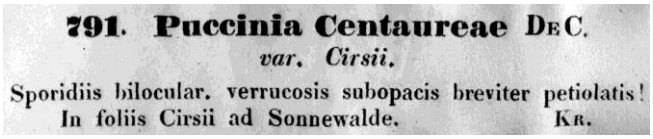

791. Puccinia Centaureae DEC.
var. Cirsii.
Sporidiis bilocular. verrucosis subopacis breviter petiolatis!
In foliis Cirsii ad Sonnewalde. KB.

Fig. 26

Cent. 9

Agaricus oreades Bolton var. *alnetorum* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 801, 1846 [and Arch. Pharm. (Lemgo) **95**: 247, 1846; Bot. Zeitung **4**: 45, 1846; Bot. Centralbl. Deutschl. 1846: 94, 1846; Flora **29**: 552, 1846].
Notes: This is a validly published variety with a description on the label of Klotzschii Herb. Viv. Mycol. 801 (see fig. 27). "Agaricus alnetorum Lasch Mspt. [manuscript]" was cited as synonym.

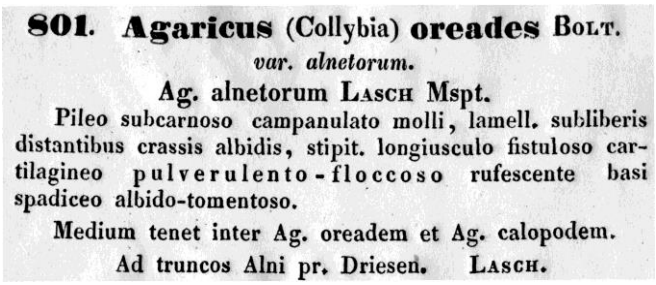

801. Agaricus (Collybia) **oreades** BOLT.
var. alnetorum.
Ag. alnetorum LASCH Mspt.
Pileo subcarnoso campanulato molli, lamell. subliberis distantibus crassis albidis, stipit. longiusculo fistuloso cartilagineo pulverulento-floccoso rufescente basi spadiceo albido-tomentoso.
Medium tenet inter Ag. oreadem et Ag. calopodem.
Ad truncos Alni pr. Driesen. LASCH.

Fig. 27

Agaricus rotulula Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 804, 1846 [and Arch. Pharm. (Lemgo) **95**: 247, 1846; Bot. Centralbl. Deutschl. 1846: 94, 1846; Bot. Zeitung **4**: 45, 1846; Flora **29**: 552, 1846], nom. nud.

Geoglossum rugosum Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 816, 1846 [and Arch. Pharm. (Lemgo) **95**: 247, 1846; Bot. Zeitung **4**: 45, 1846; Bot. Centralbl. Deutschl. 1846: 94, 1846; Flora **29**: 552, 1846], nom. nud.

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= ***Geoglossum fallax*** E.J. Durand, Ann. Mycol. **6**(5): 428, 1908.

Peziza melatephra Lasch [as "*malatephra*"], in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 825, 1846 [and Arch. Pharm. (Lemgo) **95**(3): 247, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846 (name only, without description); Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846].
≡ ***Niptera melatephra*** (Lasch) Rehm, in Winter, Rabenh. Krypt.-Fl., Edn 2 (Leipzig) **1.3**(Lief. 36): 559 [1896] 1891.
Notes: *Peziza melatephra* was validly published in Klotzschii Herb. Viv. Mycol. 825 with a description on the label (fig. 28).

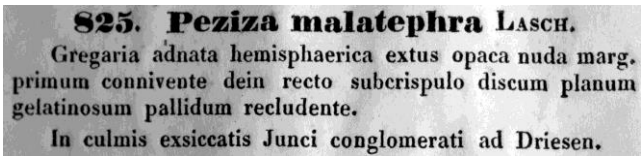

825. Peziza malatephra Lasch.
Gregaria adnata hemisphaerica extus opaca nuda marg. primum connivente dein recto subcrispulo discum planum gelatinosum pallidum recludente.
In culmis exsiccatis Junci conglomerati ad Driesen.

Fig. 28

Sphaeria allii Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 838, 1846 [and Arch. Pharm. (Lemgo) **95**: 247, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846].
≡ ***Stemphylium vesicarium*** (Wallr.) E.G. Simmons, Mycologia **61**(1): 9, 1969.
Notes: *Sphaeria allii* was validly published in Klotzschii Herb. Viv. Mycol. 838 with a description on the label (fig. 29).

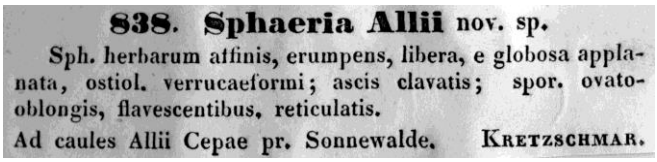

838. Sphaeria Allii nov. sp.
Sph. herbarum affinis, erumpens, libera, e globosa applanata, ostiol. verrucaeformi; ascis clavatis; spor. ovato-oblongis, flavescentibus, reticulatis.
Ad caules Allii Cepae pr. Sonnewalde. Kretzschmar.

Fig. 29

Sphaeria emperigonia Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 850, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846], nom. nud.
≡ *Cucurbitaria emperigonia* Ces. & De Not., Comm. Soc. Crittog. Ital. **1**(fasc. 3): 215, 1862.
≡ ***Lizonia emperigonia*** (Ces. & De Not.) De Not., Sfer. Ital.: 72, 1863.

Ascochyta fragariae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 854, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846], nom. nud.

Ascochyta lysimachiae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 855, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846], nom. nud.

Ascochyta oreoselini Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 856, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846], nom. nud.
≡ ***Septoria oreoselini*** Sacc. [as "(Lasch) Sacc."], Syll. Fung. 3: 528, 1884.

Ascochyta lychnidis Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 857, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846], nom. nud.

Ascochyta dulcamarae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 858, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846], nom. nud.

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Ascochyta menyanthis Lasch [as "*menyanthes*"], in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 860, 1846 [and Arch. Pharm. (Lemgo) **95**(3): 248, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846], nom. nud.

Ascochyta atriplicis Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 861, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846], nom. nud.

Ascochyta euphorbiae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 862, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846], nom. nud.
= ***Septoria bractearum*** Mont, *Ann. Sci. Nat.*, Bot., Sér. 3, **11**: 49, 1849 [according to Saccardo (1906)].

Ascochyta dianthi Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 863, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846], nom. nud.
Notes: Saccardo (1883) cited *Ascochyta dianthi* De Not. as spermogonial stage of *Pleospora dianthi*, with reference to Fuckel. Mel'nik (1977) regarded this species as a synonym of *Septoria dianthi* (Alb. & Schwein.) Desm. (≡ *Ascochyta dianthi* (Alb. & Schwein.) Berk.). Desmazières (1849) cited *Ascochyta dianthi* Lasch as synonym of his *Septoria dianthi*.

Ascochyta hyoscyami Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 864, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846].
Notes: *Ascochyta hyoscyami* was validly published in Klotzschii Herb. Viv. Mycol. 864 with a description on the label (fig. 30). Mel'nik (1977) considered this name as "nom. nud." which is, however, incorrect.

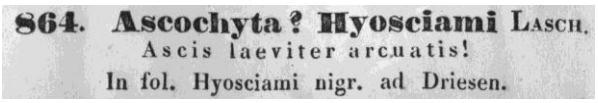

864. Ascochyta? Hyosciami Lasch.
Ascis laeviter arcuatis!
In fol. Hyosciami nigr. ad Driesen.

Fig. 30

Leptostroma lonicericola Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 865, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846], nom. nud.

Ectostroma iberidis Rabenh. [as "*iberis*"], Klotzschii Herb. Viv. Mycol., Cent. 9: no. 866, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846], nom. nud.

Depazea vagans (Fr.) Fr. var. *armoraciae* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 867, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846], nom. nud.

Depazea paridicola Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 868, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846], nom. nud.
≡ *Phyllosticta paridicola* Strasser [as "(Rabenh.) Straßer"], Verh. Zool.-Bot. Ges. Wien **60**: 306, 1910.
Notes: Strasser (1910) validated this species under *Phyllosticta* by adding a description (pycnidia 100–120 µm diam, conidia hyaline, oblong, 5–7 × 3–4 µm, often with oil props). This species is lacking in van der Aa & Vanev (2002). Based on Strasser's (l.c.) description, this species seems to belong to *Phoma*.

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Depazea vagans (Fr.) Fr. var. *glechomaticola* Kretzschmar, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 870, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846], nom. nud.

Depazea bidentis Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 871, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846], nom. nud.

Depazea hieracii Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 872, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 95, 1846; Bot. Zeitung **4**: 46, 1846; Flora **29**: 553, 1846], nom. nud.

Isaria eleutheratorum Ehrenb. f. *racemosa* Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 876, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 96, 1846; Bot. Zeitung **4**: 47, 1846; Flora **29**: 553, 1846], nom. nud.

Sporocadus fiedleri Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 882, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 96, 1846; Bot. Zeitung **4**: 47, 1846; Flora **29**: 553–554, 1846].
≡ *Stilbospora fiedleri* (Rabenh.) Höhn., Mitt. Bot. Inst. T. H. Wien **6**: 93, 1929.
Notes: *Sporocadus fiedleri* is a valid name, published with a description on the label of Klotzschii Herb. Viv. Mycol. 882 (fig. 31).


882. Sporocadus Fiedleri RABENH. Mspt.
Diff. sporis ellipticis oblongis triseptatis, septis laete castaneis.
Ad ramos Coni albae hort. saxomont. (flor. megapolitan.)
FIEDLER.

Fig. 31

Aecidium valerianae Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 889, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 96, 1846; Bot. Zeitung **4**: 47, 1846; Flora **29**: 554, 1846], nom. nud.
= ***Puccinia commutata*** Syd. & P. Syd., Monogr. Uredin. (Lipsiae) **1**(2): 201 [1904] 1902.
Notes: The duplicate deposited at HAL has been examined and turned out to be morphologically indistinguishable from aecia of *P. commutata*.

Uredo longipes Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 893, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 96, 1846; Bot. Zeitung **4**: 47, 1846; Flora **29**: 554, 1846].
≡ ***Uromyces longipes*** (Lasch) Tranzschel, Conspectus Uredinalium URSS: 169, 1939.
Notes: *Uredo longipes* is a valid name with a brief description on the label of Klotzschii Herb. Viv. Mycol. 893 ("Pedicello longissimo insignis!") [fig. 32]. The material deposited in HAL has been re-examined and proved to be very similar to *Uromyces polygoni-avicularis* (Pers.) G.H. Otth (Gäumann 1959) to which collections on *Rumex acetosella* are usually allocated. However, *Uromyces polygoni-avicularis* from *Polygonum aviculare* could not be transferred to *Rumex acetosella* (Treboux 1912), suggesting a biologically separate taxon on the latter host, which is also morphologically distinct (see Guyot 1938, Gäumann 1959). Guyot (1938) considered this taxon as variety (var. *rumicis-acetosellae* J. Schröt., reference not found). The type material of *Uredo longipes* contains only telia, and the stalks of the teliospores are hyaline or subhyaline. The treatment of this rust fungus on *Rumex acetosella* as species of its own seems to be justified.

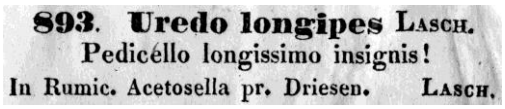

893. Uredo longipes LASCH.
Pedicello longissimo insignis!
In Rumic. Acetosella pr. Driesen. LASCH.

Fig. 32

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Uredo apiculata F. Strauss var. *astragali* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 895, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 96, 1846; Bot. Zeitung **4**: 47, 1846; Flora **29**: 554, 1846], nom. nud.
= ***Uromyces punctatus*** J. Schröt., Abh. Schles. Ges. Vaterl. Kult., Abth. Naturw. Med. **48**: 10, [1869] 1870.

Uredo candida (Pers.) Pers. var. *tragopogonis* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 896, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 96, 1846; Bot. Zeitung **4**: 47, 1846; Flora **29**: 554, 1846], nom. nud.
= ***Pustula tragopogonis*** (Pers.) Thines, Mycotaxon **92**: 455, 2005.

Uredo candida (Pers.) Pers. var. *inulae* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 897, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 96, 1846; Bot. Zeitung **4**: 47, 1846; Flora 29: 554, 1846], nom. nud.
= *Albugo tragopogonis* (Pers.) Gray var. *inulae* Cif. & Biga, in Biga, *Sydowia* **9**(1-6): 357 (1955).
= ***Pustula tragopogonis*** (Pers.) Thines, Mycotaxon **92**: 455, 2005.

Uredo candida (Pers.) Pers. var. *camelinae* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 898, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 96, 1846; Bot. Zeitung **4**: 47, 1846; Flora **29**: 554, 1846], nom. nud.
= ***Albugo candida*** (Pers.) Roussel, Fl. Calvados, Edn 2: 47, 1806.

Uredo candida (Pers.) Pers. var. *nasturtii* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 9: no. 899, 1846 [and Arch. Pharm. (Lemgo) **95**: 248, 1846; Bot. Centralbl. Deutschl. 1846: 96, 1846; Bot. Zeitung **4**: 47, 1846; Flora **29**: 554, 1846], nom. nud.
= ***Albugo candida*** (Pers.) Roussel, Fl. Calvados, Edn 2: 47, 1806)

Cent. 10

Peziza rabenhorstii Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 920, 1846 [and Bot. Centralbl. Deutschl. 1846: 322, 1846; Bot. Zeitung **4**: 435, 1846; Flora **29**: 554, 1846], nom. nud.
≡ *Peziza rabenhorstii* Auersw., in Rabenhorst, Klotzschii Herb. Viv. Mycol., Edn 2, Cent. 3: no. 222 (1856) [also Bot. Zeitung **14**: 426, 1856], nom. nud.
≡ *Peziza rabenhorstii* Auersw., in de Not., Comment. Soc. Crittog. Ital. **5**: 368, 1863, nom. nud.
≡ ***Mollisia rabenhorstii*** Rehm [as "(Auersw.) Rehm"], in Winter, Rabenh. Krypt.-Fl., Edn 2 (Leipzig) **1.3**(Lief. 36): 537, [1896] 1891.
= *Pyrenopeziza foliicola* var. *quercina* Sacc., Syll. Fung. **8**: 365, 1889.
Notes: *Pyrenopeziza foliicola* var. *quercina* cannot be considered a homotypic synonym of *Mollisia rabenhorstii* since Saccardo (l.c.) only cited and included collections from France and Italy (*Peziza rabenhorstii* sensu de Noratis, l.c.), but not collections from Germany based on *Peziza rabenhorstii* Auersw. Rehm published *Mollisia rabenhorstii* as combination (based *Peziza rabenhorstii* Auersw., nom. nud.) and with reference to the publication of de Notaris (l.c.), which also does not contain any description. Thus, *Mollisia rabenhorstii*, published with a description, has to be ascribed to Rehm alone.

Sclerotium clavus DC. var. *scirpi* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 935, 1846 [and Bot. Centralbl. Deutschl. 1846: 322, 1846; Bot. Zeitung **4**: 435, 1846; Flora **29**: 555, 1846], nom. nud.

Sclerotium aurantiaco-fuscum Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 936, 1846 [and Bot. Centralbl. Deutschl. 1846: 322, 1846; Bot. Zeitung **4**: 435, 1846; Flora **29**: 555, 1846], nom. nud.

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Erysibe lycii Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 950, 1846 [and Bot. Centralbl. Deutschl. 1846: 323, 1846; Bot. Zeitung **4**: 436, 1846; Flora **29**: 555, 1846], nom. nud.
= ***Arthrocladiella mougeotii*** (Lév.) Vassilkov, Bot. Mater. Otd. Sporov. Rast. Bot. Inst. Komarova Akad. Nauk S.S.S.R. **16**: 112, 1963 [see Braun & Cook 2012)].

Erysibe horridula var. *anchusae* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 952, 1846 [and Bot. Centralbl. Deutschl. 1846: 323, 1846; Bot. Zeitung **4**: 436, 1846; Flora **29**: 555, 1846], nom. nud.
= ***Golovinomyces cynoglossi*** (Wallr.) Heluta, Ukrains'k. Bot. Zhurn. **45**(5): 62, 1988 [see Braun & Cook 2012)].

Erysibe horridula var. *cynoglossi* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 953, 1846 [and Bot. Centralbl. Deutschl. 1846: 323, 1846; Bot. Zeitung **4**: 436, 1846; Flora **29**: 555, 1846], nom. nud.
= ***Golovinomyces cynoglossi*** (Wallr.) Heluta, Ukrains'k. Bot. Zhurn. **45**(5): 62, 1988 [see Braun & Cook 2012)].

Sphaeria fusca Tode var. *betuli* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 961, 1846 [and Bot. Centralbl. Deutschl. 1846: 323, 1846; Bot. Zeitung **4**: 436, 1846; Flora **29**: 555, 1846], nom. nud.

Sphaeria longissima Pers. var. *chenopodii* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 966a, 1846 [and Bot. Centralbl. Deutschl. 1846: 323, 1846; Bot. Zeitung **4**: 436, 1846; Flora **29**: 555, 1846], nom. nud.

Sphaeria longissima Pers. var. *chaerophylli* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 966b, 1846 [and Bot. Centralbl. Deutschl. 1846: 323, 1846; Bot. Zeitung **4**: 436, 1846; Flora **29**: 555, 1846], nom. nud.

Sphaeria rimarum Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 969, 1846 [and Bot. Centralbl. Deutschl. 1846: 323, 1846; Bot. Zeitung **4**: 436, 1846; Flora **29**: 555, 1846]. Notes: *Sphaeria rimarium* is a valid name with a brief diagnosis on the label of Klotzschii Herb. Viv. Mycol. 969 ["NB. Sph. pulch. b. minori proxima!"] (fig. 33).

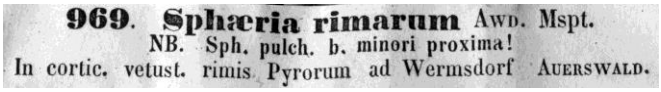

969. Sphæria rimarum Awd. Mspt.
NB. Sph. pulch. b. minori proxima!
In cortic. vetust. rimis Pyrorum ad Wermsdorf Auerswald.

Fig. 33

Sphaeria obstrusa Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 973, 1846 [and Bot. Centralbl. Deutschl. 1846: 323, 1846; Bot. Zeitung **4**: 436, 1846; Flora **29**: 555, 1846], nom. nud.

Sphaeria kretzschmarii Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 974, 1846 [and Bot. Centralbl. Deutschl. 1846: 323, 1846; Bot. Zeitung **4**: 436, 1846; Flora **29**: 555, 1846], nom. nud.

Sphaeria stellarinearum Rabenh. [as "*stellarinarum* var. *cerastii*"], Klotzschii Herb. Viv. Mycol., Cent. 10: no. 975, 1846 [and Bot. Centralbl. Deutschl. 1846: 323, 1846; Bot. Zeitung **4**: 436, 1846; Flora **29**: 555, 1846], nom. nud.
≡ *Sphaerella stellarinearum* P. Karst. [as "(Rabenh.) P. Karst."], Öfvers. Förh.. Kongl. Svenska Vetensk.-Akad. **29**: 104, 1872.
≡ *Mycosphaerella stellarinearum* (P. Karst.) Johanson [as "(Rabenh.) Johanson"], Öfvers. Förh.. Kongl. Svenska Vetensk.-Akad. **41**(9): 104, 1884.

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Notes: According to Aptroot (2006), a species of the genus *Didymella* (with Klotzschii Herb. Viv. Mycol. 975, on *Cerastium triviale*, as type). Tomilin (1979) reduced this name to synonymy with *Mycosphaerella isariphora* (Desm.) Johanson, which might rather refer to "Klotzschii Herb. Viv. Mycol., Cent. 10: no. 976" (*Sphaeria stellarinearum* var. *holostei*, on *Stellaria holostea*).

Sphaeria stellarinearum Rabenh. var. *holosteae* Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 976, 1846 [and Bot. Centralbl. Deutschl. 1846: 323, 1846; Bot. Zeitung **4**: 436, 1846; Flora **29**: 555, 1846], nom. nud.
= ? *Mycosphaerella isariphora* (Desm.) Johanson (see Tomilin 1979).

Sphaeria petasitidis Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 977, 1846 [and Bot. Centralbl. Deutschl. 1846: 323, 1846; Bot. Zeitung **4**: 436, 1846; Flora **29**: 555, 1846], nom. nud.
≡ *Sphaerella petasitidis* Fuckel, Jahrb. Nassauischen Vereins Naturk. **15**: 67, 1860, nom. nud.
≡ *Sphaerella petasitidis* Fuckel, Jahrb. Nassauischen Vereins Naturk. **23-24**: 99, 1870.
Notes: The first validation of the name *Sphaeria petasitidis* was made as *Sphaerella petasitidis* by Fuckel (l.c.). Status unclear (immature material, see Aptroot 2006).

Cytospora incarnata Fr. f. *rosae* Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 982, 1846 [and Bot. Centralbl. Deutschl. 1846: 323, 1846; Bot. Zeitung **4**: 436, 1846; Flora **29**: 555, 1846].
Notes: Validly published as host/substrate forma (fig. 34).

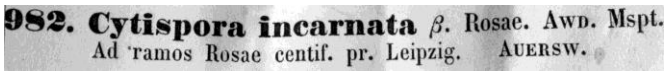

982. Cytispora incarnata β. Rosae. Awd. Mspt.
Ad ramos Rosae centif. pr. Leipzig. Auersw.

Fig. 34

Depazea juglandina f. ("b.") *acerina* Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 987, 1846 [and Bot. Centralbl. Deutschl. 1846: 323, 1846; Bot. Zeitung **4**: 436, 1846; Flora **29**: 556, 1846].
Notes: Validly published as host/substrate forma (fig. 35).

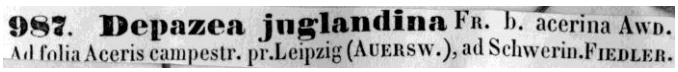

987. Depazea juglandina Fr. b. acerina Awd.
Ad folia Aceris campestr. pr. Leipzig (Auersw.), ad Schwerin. Fiedler.

Fig. 35

Ascochyta orchidis in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 988, 1846 [and Bot. Centralbl. Deutschl. 1846: 323, 1846; Bot. Zeitung **4**: 47, 1846; Flora **29**: 556, 1846], nom. nud.

Ascochyta lysimachiae in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 989, 1846 [and Bot. Centralbl. Deutschl. 1846: 323, 1846; Bot. Zeitung **4**: 436, 1846; Flora **29**: 556, 1846], nom. nud.

Ascochyta polygoni in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 990, 1846 [and Bot. Centralbl. Deutschl. 1846: 323, 1846; Bot. Zeitung **4**: 436, 1846; Flora **29**: 556, 1846], nom. nud.

Septoria ribis Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 991, 1846 [and Bot. Centralbl. Deutschl. 1846: 323, 1846; Bot. Zeitung **4**: 436, 1846; Flora **29**: 556, 1846], nom. nud.

Uredo caryophyllacearum DC. var. *silenes* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 10: no. 998, 1846 [and Bot. Centralbl. Deutschl. 1846: 324, 1846; Bot. Zeitung **4**: 436, 1846; Flora **29**: 556, 1846], nom. nud.
= ***Melampsorella caryophyllacearum*** (DC.) J. Schröt., Hedwigia **13**: 85, 1874.

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Cent. 11

Agaricus conspersus Pers. var. *major* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1004, 1846 [and Bot. Zeitung **4**: 876, 1846; Flora **31**: 504, 1848].
Notes: A valid name with a description on the label of Klotzschii Herb. Viv. Mycol. 1004 (fig. 36).

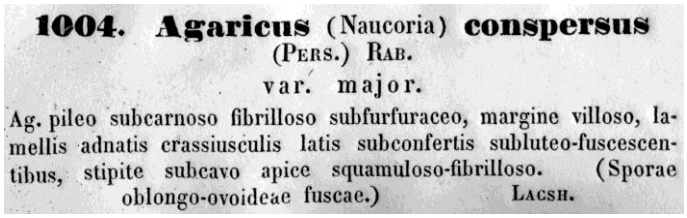

1004. Agaricus (Naucoria) **conspersus**
(Pers.) Rab.
var. major.
Ag. pileo subcarnoso fibrilloso subfurfuraceo, margine villoso, lamellis adnatis crassiusculis latis subconfertis subluteo-fuscescentibus, stipite subcavo apice squamuloso-fibrilloso. (Sporae oblongo-ovoideae fuscae.) Lacsh.

Fig. 36

Peziza helvelloides Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1010, 1846 [and Bot. Zeitung **4**: 876, 1846; Flora **31**: 504, 1848].
≡ *Acetabula helvelloides* (Lasch) Sacc., Syll. Fung. **8**: 62, 1889.
Notes: A valid species name with a description on the label of Klotzschii Herb. Viv. Mycol. 1010 (fig. 37).


1010. Peziza helvelloides Lasch.
Cupula compressa subclausa utrinque subdeflexa brunnea, dein dilatata margine flexuoso-pubescente dilutiore, stipite costato-lacunoso, pallido.
(Pez. Mitrula Schweinitz?)
In faginetis ad terram. Driesen.

Fig. 37

Peziza laetissima Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1024, 1846 [and Bot. Zeitung **4**: 877, 1846; Flora **31**: 504, 1848].
≡ ***Phragmonaevia laetissima*** (Ces.) Rehm, in Winter, Rabenh. Krypt.-Fl., Edn 2 (Leipzig) **1.3**(Lief. 30): 167, [1896] 1888.
Notes: A valid species with a description on the label of Klotzschii Herb. Viv. Mycol. 1024 (fig. 38).

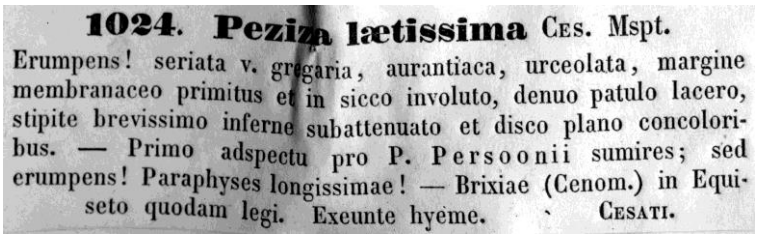
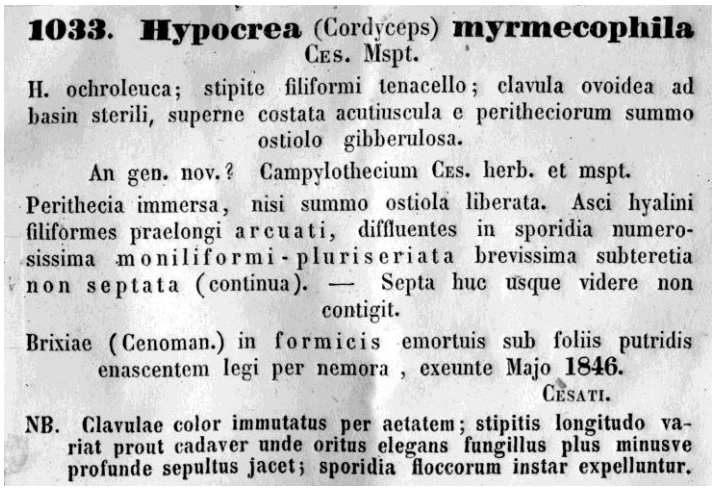

1024. Peziza laetissima Ces. Mspt.
Erumpens! seriata v. gregaria, aurantiaca, urceolata, margine membranaceo primitus et in sicco involuto, denuo patulo lacero, stipite brevissimo inferne subattenuato et disco plano concoloribus. — Primo adspectu pro P. Persoonii sumires; sed erumpens! Paraphyses longissimae! — Brixiae (Cenom.) in Equiseto quodam legi. Exeunte hyeme. Cesati.

Fig. 38

Hypocrea myrmecophila Ces, and *Campylothecium* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1033, 1846 [and Bot. Zeitung **4**: 877, 1846; Flora **31**: 505, 1848].
Notes: A valid species name and valid new genus name with descriptions on the label of Klotzschii Herb. Viv. Mycol., 1033 (fig. 39).

Sphaeria arctii Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1046, 1846 [and Bot. Zeitung **4**: 877, 1846; Flora **31**: 505, 1848].
≡ ***Diaporthe arctii*** (Lasch) Nitschke, Pyrenomycetes Germanici **2**: 268, 1870.
Notes: A valid species name with a description on the label of Klotzschii Herb. Viv. Mycol. 1046 ("Sph. perith. gregar. immersis globosis nigris intus albis, ostiol. cylindrico obtuso"), see fig. 40.

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1033. Hypocrea (Cordyceps) **myrmecophila**
Ces. Mspt.

H. ochroleuca; stipite filiformi tenacello; clavula ovoidea ad basin sterili, superne costata acutiuscula e peritheciorum summo ostiolo gibberulosa.

An gen. nov.? Campylothecium Ces. herb. et mspt.

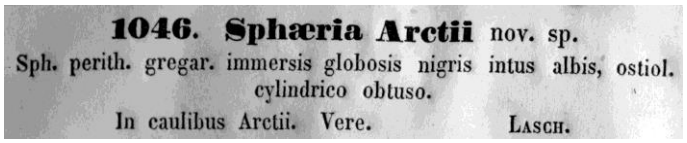
Perithecia immersa, nisi summo ostiola liberata. Asci hyalini filiformes praelongi arcuati, diffluentes in sporidia numerosissima moniliformi-pluriseriata brevissima subteretia non septata (continua). — Septa huc usque videre non contigit.

Brixiae (Cenoman.) in formicis emortuis sub foliis putridis enascentem legi per nemora, exeunte Majo **1846.**

Cesati.

NB. Clavulae color immutatus per aetatem; stipitis longitudo variat prout cadaver unde oritus elegans fungillus plus minusve profunde sepultus jacet; sporidia floccorum instar expelluntur.

Fig. 39



1046. Sphæria Arctii nov. sp.

Sph. perith. gregar. immersis globosis nigris intus albis, ostiol. cylindrico obtuso.

In caulibus Arctii. Vere. Lasch.

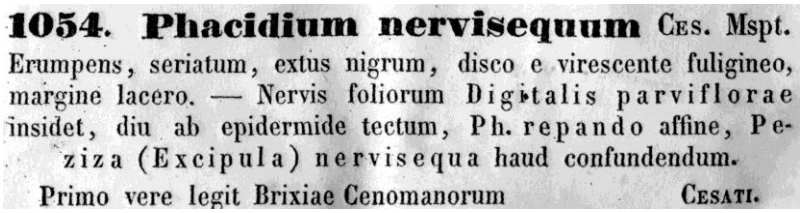
Fig. 40

Sphaeria vitis Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1047, 1847 [and Bot. Zeitung **4**: 877, 1846; Flora **31**: 505, 1848], nom. nud.
≡ *Sphaerella vitis* Fuckel, Jahrb. Nassauischen Vereins Naturk. **23-24**: 104, 1870.
≡ *Mycosphaerella vitis* (Fuckel) J. Schröt., in Cohn, Kryptogamen-Flora von Schlesien **3.2**(3): 334, 1894.
Notes: Comments on this species are included in Aptroot (2006: 209).

Sphaeria trichostoma Fr. var. *globosa* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1049, 1847 [and Bot. Zeitung **4**: 877, 1846; Flora **31**: 505, 1848], nom. nud.

Sphaeria gypsophilae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1050, 1847 [and Bot. Zeitung **4**: 877, 1846; Flora **31**: 505, 1848], nom. nud.
≡ *Sphaerella gypsophilae* Fuckel, Jahrb. Nassauischen Vereins Naturk. **23-24**: 101, 1870, nom. inval. [nom. nud.] (Art. 38.1a).
≡ *Sphaerella gypsophilae* Fuckel ex Sacc., Syll. Fung. **1**: 516, 1882.
≡ *Mycosphaerella gypsophilae* (Fuckel ex Sacc.) Feltgen, Recueil Mém. Trav. Soc. Bot. Grand-Duché Luxembourg **14**: 287, 1899.
Notes: This name was validated by Saccardo (1882) by adding a description. According to Tomilin (1979) and Aptroot (2006), type material of this species contains only a *Septoria*.

Phacidium nervisequum Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1054, 1846 [and Bot. Zeitung **4**: 878, 1846; Flora **31**: 505, 1848].
Notes: A valid species name with a description on the label of Klotzschii Herb. Viv. Mycol. 1054 (fig. 41).



1054. Phacidium nervisequum Ces. Mspt.

Erumpens, seriatum, extus nigrum, disco e virescente fuligineo, margine lacero. — Nervis foliorum Digitalis parviflorae insidet, diu ab epidermide tectum, Ph. repando affine, Peziza (Excipula) nervisequa haud confundendum.

Primo vere legit Brixiae Cenomanorum Cesati.

Fig. 41

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Depazea vagans (Fr.) Fr. var. *scrophulariicola* Lasch [as "*scrophularaecola*"], in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1057, 1846 [and Bot. Zeitung **4**: 878, 1846; Flora **31**: 505, 1848], nom. nud.

Ascochyta galeopsidis Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1058, 1846 [and Bot. Zeitung **4**: 878, 1846; Flora **31**: 505, 1848].
= ***Septoria galeopsidis*** Westend., Bull. Acad. Roy. Sci. Belgique, Cl. Sci., Sér. 2, **2**: 574, 1857.
Notes: *Ascochyta galeopsidis* is a valid name published with a brief description on the label of Klotzschii Herb. Viv. Mycol. 1058 ("Ascis fusiformibus!") [see fig. 42]. Westendorp (l.c.) cited *Ascochyta galeopsidis* as synonym with question mark. Thus, *Septoria galeopsidis* cannot be interpreted as combination based on the latter name. The synonymy of the two species was cited in Saccardo (1884) and Melnik (1977).


1058. Ascochyta Galeopsidis LASCH.
Ascis fusiformibus!
In fol. Galeops. Tetrahit ad Driesen.

Fig. 42

Ascochyta cannabis Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1059, 1846 [and Bot. Zeitung **4**: 878, 1846; Flora **31**: 505, 1848].
≡ ***Septoria cannabis*** (Lasch) Sacc., Syll. Fung. **3**: 557, 1884.
Notes: *Ascochyta cannabis* is a valid name published with a brief description on the label of Klotzschii Herb. Viv. Mycol. 1059 ("Ascis elongates linearibus utrique acutis!") [see fig. 43].

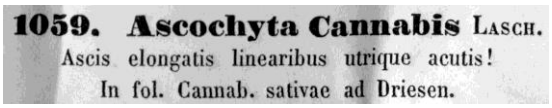

1059. Ascochyta Cannabis LASCH.
Ascis elongatis linearibus utrique acutis!
In fol. Cannab. sativae ad Driesen.

Fig. 43

Perisporium juglandis Lasch [as "*Perisporum*"], in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1060, 1846 [and Bot. Zeitung **4**: 878, 1846; Flora **31**: 506, 1848], nom. nud.

Ceuthospora asparagi Lasch [as "*Ceutospora*"], in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1063, 1846 [and Bot. Zeitung **4**: 878, 1846; Flora **31**: 506, 1848], nom. nud.

Sphaeronema cirsii Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1069, 1846 [and Bot. Zeitung **4**: 878, 1846; Flora **31**: 506, 1848].
= ***Puccinia suaveolens*** (Pers.) Rostr., J. Appl. Mycol. **1**: 339, 1874 [see Saccardo 1888: 633].
Notes: A valid species name with a description on the label of Klotzschii Herb. Viv. Mycol. 1069 (fig. 44).

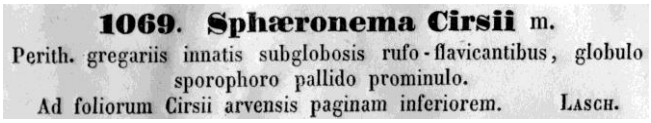

1069. Sphæronema Cirsii m.
Perith. gregariis innatis subglobosis rufo-flavicantibus, globulo sporophoro pallido prominulo.
Ad foliorum Cirsii arvensis paginam inferiorem. LASCH.

Fig. 44

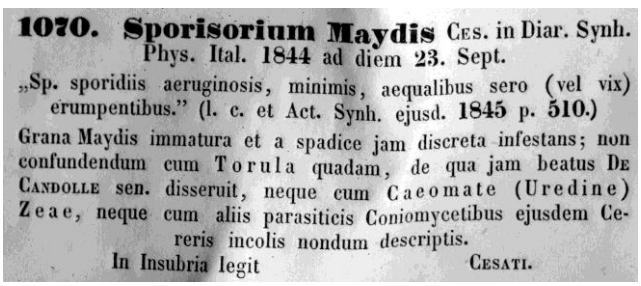

1070. Sporisorium Maydis CES. in Diar. Synh. Phys. Ital. 1844 ad diem 23. Sept.
„Sp. sporidiis aeruginosis, minimis, aequalibus sero (vel vix) erumpentibus." (l. c. et Act. Synh. ejusd. 1845 p. 510.)
Grana Maydis immatura et a spadice jam discreta infestans; non confundendum cum Torula quadam, de qua jam beatus DE CANDOLLE sen. disseruit, neque cum Caeomate (Uredine) Zeae, neque cum aliis parasiticis Coniomycetibus ejusdem Cereris incolis nondum descriptis.
In Insubria legit CESATI.

Fig. 45

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Sporisorium maydis Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1070, 1846 [and Bot. Zeitung **4**: 878, 1846; Flora **31**: 506, 1848].
Notes: A valid species name with a description on the label of Klotzschii Herb. Viv. Mycol. 1070 (fig. 45).

Septoria euonymi Rabenh. [as "*evonymi*"], Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1071, 1846 [and Bot. Zeitung **4**: 879, 1846; Flora **31**: 506, 1848].
Notes: A valid species name with a description on the label of Klotzschii Herb. Viv. Mycol. 1071 (fig. 46).

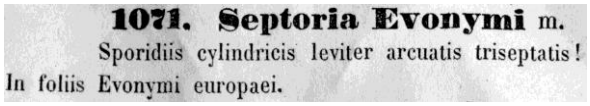

1071. Septoria Evonymi m.
Sporidiis cylindricis leviter arcuatis triseptatis!
In foliis Evonymi europaei.

Fig. 46

Leptostroma quercinum Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1075, 1846 [and Bot. Zeitung **4**: 879, 1846; Flora **31**: 506, 1848], nom. nud.
≡ *Leptothyrium quercinum* Sacc. [as "(Lasch) Sacc."], Michelia **2**(6): 113, 1880.
= ***Coccomyces dentatus*** (J.C. Schmidt) Sacc., Michelia **1**(1): 59, 1877.
Notes: This species was validated by Saccardo (l.c.) as *Leptothyrium quercinum.* He added a brief description.

Myxosporium quercinum Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1076, 1846 [and Bot. Zeitung **4**: 879, 1846; Flora **31**: 506, 1848], nom. nud.

Dacrymyces euphorbiae Lasch [as "*Dacryomyces*"], in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1078, 1846 [and Bot. Zeitung **4**: 879, 1846; Flora **31**: 506, 1848], nom. nud.

Hypha sericea Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1081, 1846 [and Bot. Zeitung **4**: 879, 1846; Flora **31**: 506, 1848], nom. nud.

Sorosporium schizocaulon Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1083 (2), 1846 [and Bot. Zeitung **4**: 879, 1846; Flora **31**: 506, 1848].
≡ ***Urocystis schizocaulon*** (Ces.) Zundel, Contr. Dept. Bot. Pennsylvania St. Coll. **176**: 332, 1953.
Notes: A valid name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1083, as no. 2 (fig. 47).


1083. Sorosporium schizocaulon Ces.
Herb. et Mspt.
Char. gen. ref. = Sporidia episporio simplici, non septata, in acervulos congesta. Eutophytum. — (De dignitate generis, ommissi a cll. Corda et Rabenhorst, confer. Fries Syst. III. 477, sub Schizodermate.)
1) Sorosporium Saponariae (Rudolphi in Linnaea IV. 116.) Acervis (authophytis) globosis, e sporidiis 40—50 rotundatis laxe conglobatis, pellucidis. — In alabastris Saponariae.
2) Sorosporium Schizocaulon (Ces. l. c.) Acervis (caulophytis) irregularibus, e sporid. 7—11 angulosis arcte conglobatis, subopacis. — Caules Euphrasiae luteae farcit, qui demum finduntur.
In collibus Brixiensibus legi, sero autumno; hyemem perdurat.
Cesati.

Fig. 47

Aecidium sedi Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1087, 1846 [and Bot. Zeitung **4**: 879, 1846; Flora **31**: 506, 1848].
Notes: A valid name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1087 (fig. 48).

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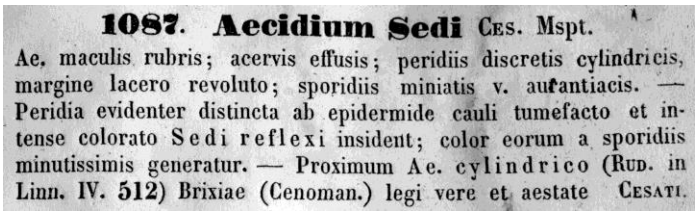

1087. Aecidium Sedi Ces. Mspt.
Ae. maculis rubris; acervis effusis; peridiis discretis cylindricis, margine lacero revoluto; sporidiis miniatis v. aurantiacis. — Peridia evidenter distincta ab epidermide cauli tumefacto et intense colorato Sedi reflexi insident; color eorum a sporidiis minutissimis generatur. — Proximum Ae. cylindrico (Rud. in Linn. IV. 512) Brixiae (Cenoman.) legi vere et aestate Cesati.

Fig. 48

Aecidium parnassiae Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1088, 1846 [and Bot. Zeitung **4**: 879, 1846; Flora **31**: 507, 1848], nom. nud.

Puccinia vincae f. *vincae-minoris* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1091, 1846 [and Bot. Zeitung **4**: 879, 1846; Flora **31**: 507, 1848].
Notes: A valid forma with a diagnosis on the label of Klotzschii Herb. Viv. Mycol. 1091 (fig. 49).


1091. Puccinia Vincae Castagn. obs. I. 21.
β) Vincae minoris Ces. Mspt.
A forma typica (in V. majore: obviam mihi venit Nicaeae anno 1839) pedicello crassiori, sporidiis acutioribus et ipsa acervulorum forma paullisper differt.
Brixiae (Cenoman.) legi. Vere. Cesati.

Fig. 49

Puccinia galii-verni Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1092, 1846 [and Bot. Zeitung **4**: 879, 1846; Flora **31**: 507, 1848].
Notes: A valid species name with a diagnosis on the label of Klotzschii Herb. Viv. Mycol. 1092 (Fig, 50).


1092. Puccinia Galii-verni Ces. Mspt.
an: P. Stellatarum Duby forma?
Maculis lutescentibus, acervulisque orbiculatim congestis, imo confluentibus a typica P. Stellatarum (Duby) differt aeque ac sporidiis subteretibus longe-stipitatis a P. Galii-Cruciatae (Duby = P. Valantiae Pers. — Rab. hb. mycol. n. 697). Epidermide bullata vix! evanescente ab utraque distat. In Galio verno (Vaillantia glabra) legi Brixiae (Cenoman.).
Vere. Cesati.

Fig. 50

Puccinia allii Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1093, 1846 [and Bot. Zeitung **4**: 879, 1846; Flora **31**: 507, 1848], nom. nud.

Puccinia compositarum var. *crepidis* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1094, 1846 [and Bot. Zeitung **4**: 880, 1846; Flora **31**: 507, 1848], nom. nud.

Uredo candidae var. *armoraciae* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1097, 1846 [and Bot. Zeitung **4**: 880, 1846; Flora **31**: 507, 1848], nom. nud.

Cent. 12

Agaricus applicatus Batsch var. *quercicola* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1103, 1847 [and Bot. Zeitung **6**: 292, 1847; Flora **31**: 507, 1848].
Notes: This is a valid variety with a description on the label of Klotzschii Herb. Viv. Mycol. 1103 (fig. 51).

Agaricus lampropus Fr. var. *fuscescens* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1104, 1847 [and Bot. Zeitung **6**: 292, 1847; Flora **31**: 507, 1848].

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Notes: This is a valid variety with a description on the label Klotzschii Herb. Viv. Mycol. 1104 (fig. 52).

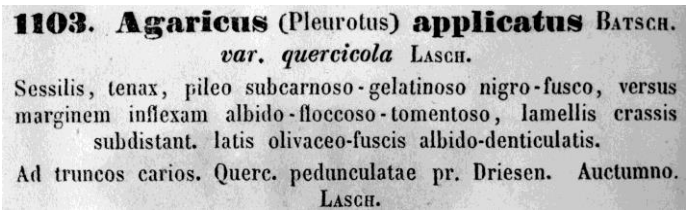

1103. Agaricus (Pleurotus) **applicatus** Batsch.
var. quercicola Lasch.
Sessilis, tenax, pileo subcarnoso-gelatinoso nigro-fusco, versus marginem inflexam albido-floccoso-tomentoso, lamellis crassis subdistant. latis olivaceo-fuscis albido-denticulatis.
Ad truncos carios. Querc. pedunculatae pr. Driesen. Auctumno. Lasch.

Fig. 51


1104. Agaricus lampropus Fr. epicr. pg. 152.
var. fuscescens m.
differt: pileo saturate-fusco furfurato-squamuloso vers. marginem fibrilloso, lamellis fusco-incarnatis, stipite glabro ex subchalybeo-fuscescente.
In collib. graminos. pr. Driesen. quequ. Lch.

Fig. 52

Agaricus theiodes Saut., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1106, 1847 [and Bot. Zeitung **6**: 292, 1847; Flora **31**: 507, 1848], nom. illeg., non J. Otto 1816.
Notes: This species was published with a description on the label Klotzschii Herb. Viv. Mycol. 1106 (fig. 53), but this name is illegitimate (younger homonym).

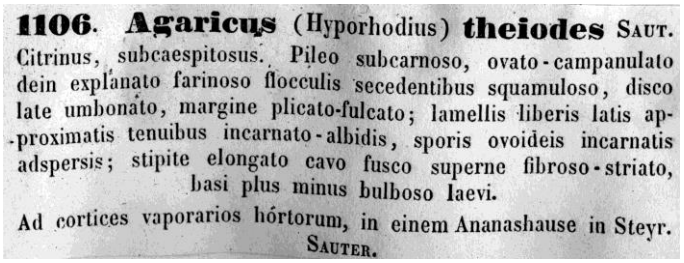

1106. Agaricus (Hyporhodius) **theiodes** Saut.
Citrinus, subcaespitosus. Pileo subcarnoso, ovato-campanulato dein explanato farinoso flocculis secedentibus squamuloso, disco late umbonato, margine plicato-fulcato; lamellis liberis latis approximatis tenuibus incarnato-albidis, sporis ovoideis incarnatis adspersis; stipite elongato cavo fusco superne fibroso-striato, basi plus minus bulboso laevi.
Ad cortices vaporarios hórtorum, in einem Ananashause in Steyr. Sauter.

Fig. 53

Peziza polygoni Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1127, 1847 [and Bot. Zeitung **6**: 293, 1847; Flora **31**: 508, 1848], nom. nud.
≡ *Niptera polygoni* Lasch ex Rehm, Ascomyceten, Fasc. 3: no. 70, 1871 [and Ber. Naturhist. Augsburg **26**: 21, 1881].
≡ ***Mollisia polygoni*** (Lasch ex Rehm) Gillet, Champignons de France, Discom. (5): 120, [1879] 1882.

Peziza tryblidioides Rabenh. [as "*triplidioides*"], Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1130, 1847 [and Bot. Zeitung **6**: 293, 1847; Flora **31**: 508, 1848].
≡ ***Pyrenopeziza tryblidioides*** (Rabenh.) Boud., Hist. Class. Discom. Eur. (Paris): 134, 1907.
Notes: This is a valid species name with a description on the label Klotzschii Herb. Viv. Mycol. 1130 (fig. 54).

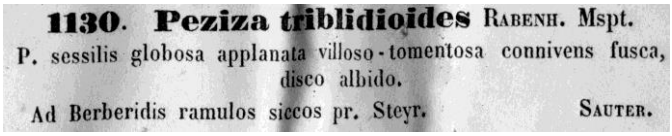

1130. Peziza triblidioides Rabenh. Mspt.
P. sessilis globosa applanata villoso-tomentosa connivens fusca, disco albido.
Ad Berberidis ramulos siccos pr. Steyr. Sauter.

Fig. 54

Depazea nicotianae Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1141, 1847 [and Bot. Zeitung **6**: 293, 1847; Flora **31**: 508, 1848], nom. nud.

Depazea hydrocotyles Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1143, 1847 [and Bot. Zeitung **6**: 293, 1847; Flora **31**: 508, 1848].

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Notes: This is a valid name with a brief description on the label of Klotzschii Herb. Viv. Mycol. 1143 (fig. 55).

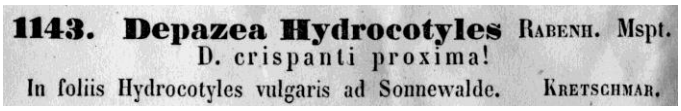

1143. Depazea Hydrocotyles Rabenh. Mspt.
D. crispanti proxima!
In foliis Hydrocotyles vulgaris ad Sonnewalde. Kretschmar.

Fig. 55

Depazea smilacicola Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1144, 1847 [and Bot. Zeitung **6**: 293, 1847; Flora **31**: 508, 1848], nom. nud.

Depazea nerii Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1145, 1847 [and Bot. Zeitung **6**: 293, 1847; Flora **31**: 508, 1848], nom. nud.

Depazea myrticola Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1146, 1847 [and Bot. Zeitung **6**: 293, 1847; Flora **31**: 508, 1848], nom. nud.

Sclerotium rimosum Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1149, 1847 [and Bot. Zeitung **6**: 293, 1847; Flora **31**: 508, 1848].
Notes: This is a valid species name with a description on the label of Klotzschii Herb. Viv. Mycol. 1149 (fig. 56).

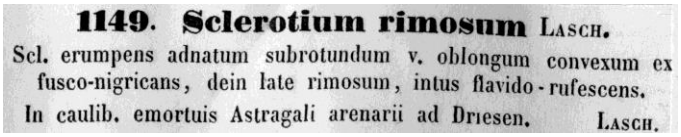

1149. Sclerotium rimosum Lasch.
Scl. erumpens adnatum subrotundum v. oblongum convexum ex fusco-nigricans, dein late rimosum, intus flavido-rufescens.
In caulib. emortuis Astragali arenarii ad Driesen. Lasch.

Fig. 56

Dothidea galii Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1153, 1847 [and Bot. Zeitung **6**: 293, 1847; Flora **31**: 508, 1848], nom. nud.

Phacidium buxi Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1154, 1847 [and Bot. Zeitung **6**: 293, 1847; Flora **31**: 508, 1848], nom. nud.

Ascochyta graminum Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1155, 1847 [and Bot. Zeitung **6**: 293, 1847; Flora **31**: 508, 1848].
Notes: This is a valid species name with a description on the label of Klotzschii Herb. Viv. Mycol. 1155 (fig. 57). Mel'nik (1977) listed this species as nom. nud., which is incorrect.

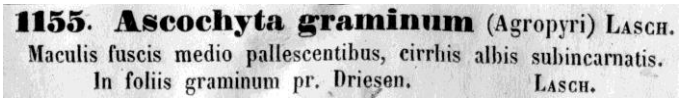

1155. Ascochyta graminum (Agropyri) Lasch.
Maculis fuscis medio pallescentibus, cirrhis albis subincarnatis.
In foliis graminum pr. Driesen. Lasch.

Fig. 57

Ascochyta hieracii Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1156, 1847 [and Bot. Zeitung **6**: 294, 1847; Flora **31**: 508, 1848].
Notes: This is a valid species name with a description on the label of Klotzschii Herb. Viv. Mycol. 1156 (fig. 58). Mel'nik (1977) cited this name as synonym of *Septoria mougeotii* Sacc. & Roum. and considered it a nom. nud., which is incorrect. The name *Ascochyta hieracii* is older, has priority and has to be used after clarification of the taxonomy of the two taxa.

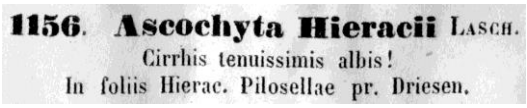

1156. Ascochyta Hieracii Lasch.
Cirrhis tenuissimis albis!
In foliis Hierac. Pilosellae pr. Driesen.

Fig. 58

Ascochyta rubi Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1157, 1847 [and Bot. Zeitung **6**: 294, 1847; Flora **31**: 508, 1848].

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Notes: This is a valid species name with a description on the label of Klotzschii Herb. Viv. Mycol. 1157 (fig. 59). Mel'nik (1977) considered *Ascochyta rubi* a synonym of *Septoria rubi* Westend. var. *saxatilis* Allesch.

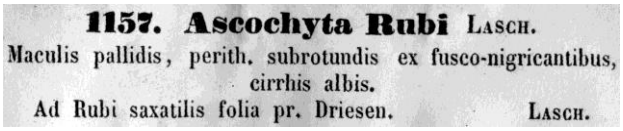

1157. Ascochyta Rubi Lasch.
Maculis pallidis, perith. subrotundis ex fusco-nigricantibus, cirrhis albis.
Ad Rubi saxatilis folia pr. Driesen. Lasch.

Fig. 59

Ascochyta umbelliferarum Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1158, 1847 [and Bot. Zeitung **6**: 294, 1847; Flora **31**: 508, 1848].
Notes: This is a valid species name with a description on the label of Klotzschii Herb. Viv. Mycol. 1158 (fig. 60). Mel'nik (1977) considered *Ascochyta umbelliferarum* a synonym of *Septoria anthrisci* Pass. & Brunaud (with question mark), and a nom. nud., which is, however, incorrect.

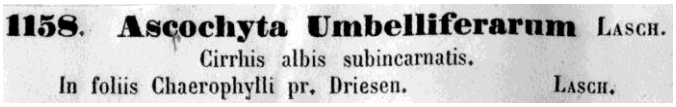

1158. Ascochyta Umbelliferarum Lasch.
Cirrhis albis subincarnatis.
In foliis Chaerophylli pr. Driesen. Lasch.

Fig. 60

Ascochyta hyperici Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1159, 1847 [and Bot. Zeitung **6**: 294, 1847; Flora **31**: 508, 1848].
Notes: This is a valid species name with a description on the label of Klotzschii Herb. Viv. Mycol. 1159 (fig. 61). Mel'nik (1977) cited *Ascochyta hyperici* as synonym of *Septoria hyperici* Desm.

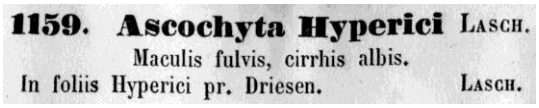

1159. Ascochyta Hyperici Lasch.
Maculis fulvis, cirrhis albis.
In foliis Hyperici pr. Driesen. Lasch.

Fig. 61

Ascochyta tiliae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1160, 1847 [and Bot. Zeitung **6**: 294, 1847; Flora **31**: 508, 1848].
≡ *Spilosphaeria tiliae* (Lasch) Rabenh., Klotzschii Herb. Viv. Mycol., Edn Nov., Ser. Prima, Cent. **6**: no. 556, 1857.
Notes: This is a valid species name with a description on the label of Klotzschii Herb. Viv. Mycol. 1160 (fig. 62). Mel'nik (1977) cited *Ascochyta tiliae* as synonym of *Septoria tiliae* Westend.

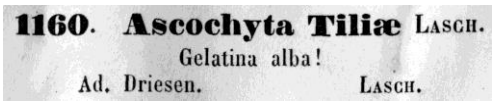

1160. Ascochyta Tiliæ Lasch.
Gelatina alba!
Ad. Driesen. Lasch.

Fig. 62

Sphaeronaema geranii Ces. [as "*Sphaeronema*"], in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1161, 1847 [and Bot. Zeitung **6**: 294, 1847; Flora **31**: 509, 1848].
Notes: This is a valid species name with a description on the label of Klotzschii Herb. Viv. Mycol. 1161 (fig. 63).

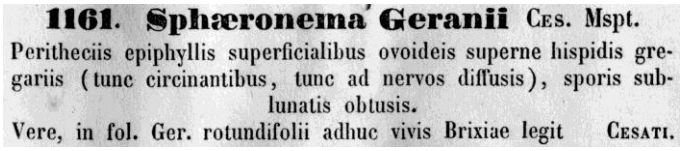

1161. Sphæronema Geranii Ces. Mspt.
Peritheciis epiphyllis superficialibus ovoideis superne hispidis gregariis (tunc circinantibus, tunc ad nervos diffusis), sporis sublunatis obtusis.
Vere, in fol. Ger. rotundifolii adhuc vivis Brixiae legit Cesati.

Fig. 63

Sphaeronaema sorbi Lasch [as "*Sphaeronema*"], in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1162, 1847 [and Bot. Zeitung **6**: 294, 1847; Flora **31**: 508, 1848].

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Notes: This is a valid species name with a description on the label of Klotzschii Herb. Viv. Mycol. 1162 (fig. 64). *Sphaeronaema sorbi* (Wahlenb.) Sacc., Syll. Fung. **3**: 186, 1884, is a homonym (nom. illeg., Art. 53.1).

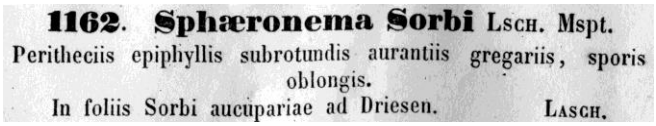

1162. Sphæronema Sorbi Lsch. Mspt.
Peritheciis epiphyllis subrotundis aurantiis gregariis, sporis oblongis.
In foliis Sorbi aucupariae ad Driesen. Lasch.

Fig. 64

Sporocadus rosicola Rabenh. [as "*rosaecola*"], Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1166, 1847 [and Bot. Zeitung **6**: 294, 1847; Flora **31**: 508, 1848].
Notes: This is a valid species name with a description on the label of Klotzschii Herb. Viv. Mycol. 1166 (fig. 65).


1166. Sporocadus rosaecola Rabenh. Mspt.
Sporis ellipticis triseptatis!
Ad Rosarum ramulos pr. Leipzig. Auerswald.

Fig. 65

Coniothecium tiliae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1170, 1847 [and Bot. Zeitung **6**: 294, 1847; Flora **31**: 508, 1848].
Notes: This is a valid species name with a description on the label of Klotzschii Herb. Viv. Mycol. 1170 (fig. 66). At the beginning of Cent. 13 (in its original bound book form), Rabenhorst added a label "Verwahrung. 1170. **Coniothecium Tiliae** Lasch" noting that most duplicates of this number probably only contain "*Cladosporium fumago* (*Fumago vagans* Pers.)" [probably referring to *Cladosporium herbarum*].

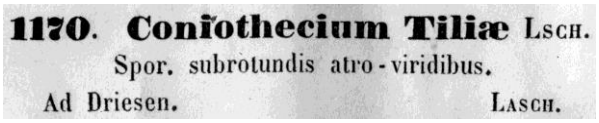

1170. Coniothecium Tiliæ Lsch.
Spor. subrotundis atro-viridibus.
Ad Driesen. Lasch.

Fig. 66

Aecidium falcaricae var. *sii-latifolii* Rabenh., Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1176, 1847 [and Bot. Zeitung **6**: 294, 1847; Flora **31**: 508, 1848], nom. nud.

Aecidium berberidis var. *frutigenum* Lasch, in Rabenh., Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1177, 1847 [and Bot. Zeitung **6**: 294, 1847; Flora **31**: 508, 1848], nom. nud.

Aecidium asparagi Lasch, in Rabenh., Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1179, 1847 [and Bot. Zeitung **6**: 294, 1847; Flora **31**: 508, 1848].
= ***Puccinia asparagi*** DC., in Lamarck & de Candolle, Fl. franç., Edn 3 (Paris) **2**: 595, 1805.
Notes: This is a valid species name with a description on the label Klotzschii Herb. Viv. Mycol. 1179 (fig. 67).

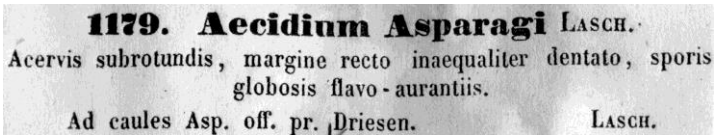

1179. Aecidium Asparagi Lasch.
Acervis subrotundis, margine recto inaequaliter dentato, sporis globosis flavo-aurantiis.
Ad caules Asp. off. pr. Driesen. Lasch.

Fig. 67

Uredo asparagi Lasch, in Rabenh., Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1180, 1847 [and Bot. Zeitung **6**: 294, 1847; Flora **31**: 508, 1848].
= ***Puccinia asparagi*** DC., in Lamarck & de Candolle, Fl. franç., Edn 3 (Paris) **2**: 595, 1805..
Notes: This is a valid species name with a description on the label of Klotzschii Herb. Viv. Mycol. 1180 (fig. 68).

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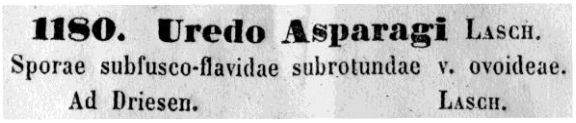

1180. Uredo Asparagi Lasch.
Sporae subfusco-flavidae subrotundae v. ovoideae.
Ad Driesen. Lasch.

Fig. 68

Uredo adoxae Auersw., in Rabenh., Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1197, 1847 [and Bot. Zeitung **6**: 294, 1847; Flora **31**: 508, 1848], nom. nud.
= ***Puccinia adoxae*** R. Hedw., in Lamarck & de Candolle, Fl. franç., Edn 3 (Paris) **2**: 220, 1805.

Uredo candida Schumach. var. *filaginis* Rabenh., Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1198, 1847 [and Bot. Zeitung **6**: 294, 1847; Flora **31**: 508, 1848], nom. nud.
= ***Pustula tragopogonis*** (Pers.) Thines, Mycotaxon **92**: 455, 2005.

Uredo digitariae Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1199, 1847 [and Bot. Zeitung **6**: 294, 1847; Flora **31**: 508, 1848], nom. illeg. (Art. 53.1), non Kunze, 1830.

Cent. 13

Agaricus limbatus Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1203, 1849 [and Bot. Zeitung **7**: 293, 1849; Flora **32**: 85, 1849], nom. illeg. (Art. 53.3).
Notes: This name was published with a description on the label of Klotzschii Herb. Viv. Mycol. 1203, but it is a nom. illeg. (homonym of *A. limbatus* Bull., 1792.

Clavaria albidula Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1219, 1849 [and Bot. Zeitung **7**: 293, 1849; Flora **32**: 86, 1849], nom. nud.

Clavaria flexuosa Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1220, 1849 [and Bot. Zeitung **7**: 293, 1849; Flora **32**: 86, 1849], nom. nud.

Typhula laschii Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1221, 1849 [and Bot. Zeitung **7**: 293, 1849; Flora **32**: 86, 1849].
Notes: This name was published with a description on the label of Klotzschii Herb. Viv. Mycol. 1221 (fig. 69). Index fungorum listed this name as synonym of *Typhula variabilis* Riess, Monograph of *Clavaria* and Allied Genera (London): 687, 1850. However, *Typhula laschii* is a valid name, published in 1849, and has priority.

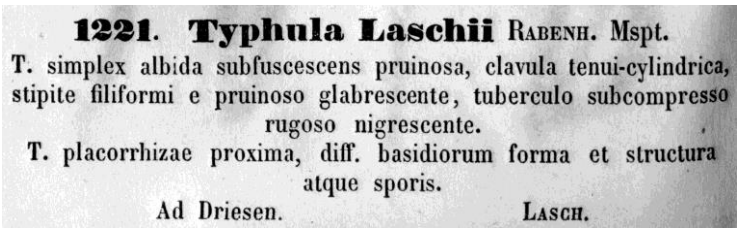

1221. Typhula Laschii Rabenh. Mspt.
T. simplex albida subfuscescens pruinosa, clavula tenui-cylindrica, stipite filiformi e pruinoso glabrescente, tuberculo subcompresso rugoso nigrescente.
T. placorrhizae proxima, diff. basidiorum forma et structura atque sporis.
Ad Driesen. Lasch.

Fig. 69

Bulgaria agaves Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1223, 1849 [and Bot. Zeitung **7**: 293, 1849; Flora **32**: 86, 1849], nom. nud.

Peziza floccosa Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1225, 1849 [and Bot. Zeitung **7**: 293, 1849; Flora **32**: 86, 1849], nom. illeg. (Art. 53.1), non Batsch, 1780.
≡ *Trichopeziza floccosa* Sacc. [as "(Lasch.) Sacc."], Syll. Fung. **8**: 426, 1889.
≡ ***Cyphella floccosa*** (Sacc.) Jaap, Fung. Sel. Exs.: no. 584, 1912.
Notes: This name was published with a description on the label of Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1225 (fig. 70), but it is a homonym of *P. floccosa* Batsch, 1780.

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1225. Peziza floccosa Lasch.
P. sessilis floccoso-membranacea tenuis extus sericeo-floccosa nivea, disco incano.
In caul. emortuis Spartii scoparii ad Driesen. Lasch.

Fig. 70

Sclerotium rhizodes Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1232, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 86, 1849].
≡ ***Ceratorhiza rhizodes*** (Auersw.) Z.H. Xu, T.C. Harr., M.L. Gleason & Batzer, Mycologia **102**(2): 340, 2010.
Notes: This is a valid name with a description on the label of Klotzschii Herb. Viv. Mycol. 1232 (fig. 71).

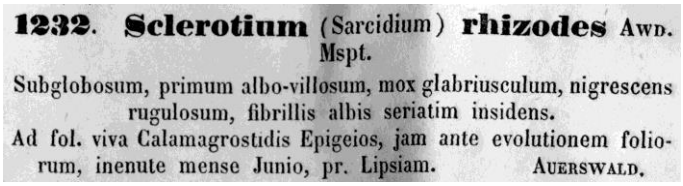

1232. Sclerotium (Sarcidium) **rhizodes** Awd. Mspt.
Subglobosum, primum albo-villosum, mox glabriusculum, nigrescens rugulosum, fibrillis albis seriatim insidens.
Ad fol. viva Calamagrostidis Epigeios, jam ante evolutionem foliorum, inenute mense Junio, pr. Lipsiam. Auerswald.

Fig. 71

Sclerotium brassicae Pers. var. *georginae* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1233, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 86, 1849], nom. nud.

Sclerotium aurantiacum Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1234, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 86, 1849], nom. nud.

Excipula stelleriae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1235, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 86, 1849].
Notes: This is a valid name with a description on the label of Klotzschii Herb. Viv. Mycol. 1235 (fig. 72).


1235. Excipula Stellariae Lasch. Mspt.
E. erumpens, ruguloso-fibrillosa, margine inflexo subplicato, disco oblongo luteo-pallescente.
Ad basin caul. emort. Stell. gramin. pr. Driesen.

Fig. 72

Sphaeria pteleae Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1238, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 86, 1849], nom. nud.

Sphaeria coluteae Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1239, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 86, 1849], nom. nud.
≡ *Cucurbitaria coluteae* Auersw. [as "(Rabenh.) Auersw."], in Fuckel, Jahrb. Nassauischen Vereins Naturk. **23-24**: 390, 1870, nom. nud.
≡ ***Cucurbitaria coluteae*** Auersw. ex Rehm, Hedwigia **21**: 82, 1882.
Notes: Rehm (1882) added a description and validated the name *Cucurbitaria coluteae.*

Sphaeria praemorsa Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1249, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 86, 1849], nom. nud.
≡ *Lophiostoma praemorsum* Fuckel [as "(Lasch) Fuckel"], Jahrb. Nassauischen Vereins Naturk. **23**–**24**: 157, 1870.
≡ *Lophiotrema praemorsum* (Fuckel) Sacc., Michelia **1**(3): 338, 1878.
= ***Lophiostoma macrostomum*** (Tode) Ces. & De Not., Symbolae mycologicae: 7, 1870.
Notes: This species was validated by Fuckel (l.c.) who added a description.

Sphaeria fragariae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1250, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 86, 1849], nom. illeg. (Art. 53.1), non Schwein. 1832.

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Notes: This species was published with a brief description on the label of Klotzschii Herb. Viv. Mycol. 1250 [“Ostiolis elongatis”] (fig. 73).


1250. Sphæria Fragariæ Lasch. Mspt.
Ostiolis elongatis!
In fol. Frag. collinae ad Driesen.

Fig. 73

Sphaeria mercurialis Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1251, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 86, 1849], nom. nud.

Depazea lyciicola Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1252, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 86, 1849], nom. nud.
Notes: Keissler (1922: 16) examined type material of *Depazea lyciicola* and reduced this name to synonymy with *Ascochyta lycii* (Desm.) Höhn. However, the latter species, based on *Phyllosticta destructiva* var. *lycii* Desm., is a synonym of *Phoma exigua* (van der Aa & Vanev 2002: 185). Keissler (l.c.) observed septate conidia, which is rather in favour of *Ascochyta lycii* Sacc., E. Bommer & M. Rousseau, Bull. Soc. Roy. Bot. Belgique **26** (1. Mémoires): 220, 1887, a species reduced to synonymy with *Ascochyta daturae* Sacc. (Mel’nik 1977).

Ascochyta scabiosae Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1253, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 86, 1849].
= ***Septoria scabiosicola*** Desm., Ann. Sci. Nat., Bot., Sér. 3, **20**: 96, 1853 (according to Mel’nik 1977).
Notes: This species was published with brief a description on the label of Klotzschii Herb. Viv. Mycol. 1253 [“Cirrh. incarnatis hyalinis!”] (fig. 74).

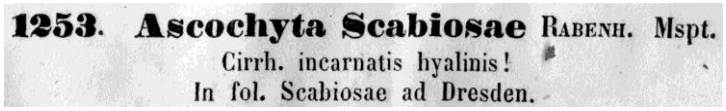

1253. Ascochyta Scabiosae Rabenh. Mspt.
Cirrh. incarnatis hyalinis!
In fol. Scabiosae ad Dresden.

Fig. 74

Ascochyta galii Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1254, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 86, 1849], nom. nud.

Ascochyta robiniae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1255, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 86, 1849], nom. nud.
= ***Phloespora robiniae*** (Lib.) Höhn., Ann. Mycol. **3**(4): 333, 1905 (according to Mel’nik 1977).

Ascochyta silenes Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1256, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 86, 1849], nom. nud.

Ascochyta umbelliferarum [var. *chaerophylli*] Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1257, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 86, 1849].
Notes: This is a valid species name published with a brief description on the label of Klotzschii Herb. Viv. Mycol. 1257 (“Cirrhis subincarnatis!”), see fig. 75. Mel’nik (1977) classified this species as “? *Septoria anthrisci* Pass. & Brunaud”.

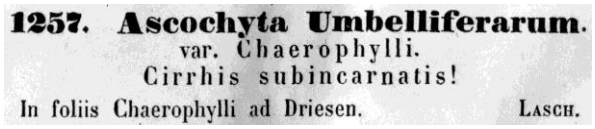

1257. Ascochyta Umbelliferarum.
var. Chaerophylli.
Cirrhis subincarnatis!
In foliis Chaerophylli ad Driesen. Lasch.

Fig. 75

Hysterium samararum Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1259, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 86, 1849], nom. nud.

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Graphium ramosum Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1263, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 86, 1849].
Notes: This is a valid species name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1263 (fig. 76).

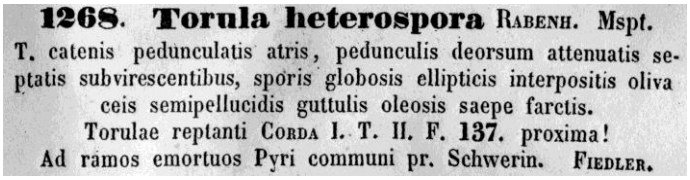


1263. Graphium ramosum Pr.
Acervulis minutissimis punctiformibus nigris epi- et entoxylinis, stipite lignum penetrante erecto apice pallido albido simplici saepe ramoso, ramulis aut floccosis aut penicillatim divisis capitulum ovatum formantibus, sporis ovoideis albis.
In ligno Pini sylvestr. exeso. Hoyerswerda. Preuss.

Fig. 76

Tubercularia confluens Pers. var. *juglandis* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1264, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 87, 1849], nom. nud.

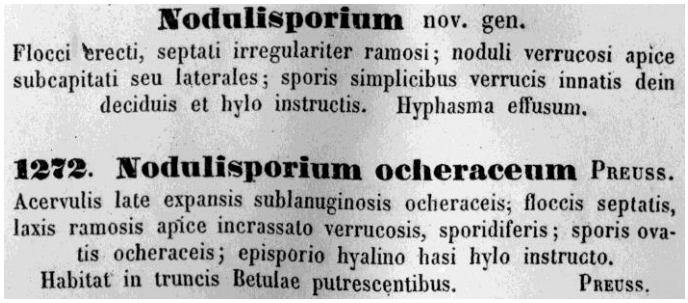
Torula heterospora Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1268, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 87, 1849].
Notes: This is a valid species name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1268 (fig. 77). Therefore, the following name is a younger homonym of *Torula heterospora* Rabenh.: *Torula heterospora* Westend., Bull. Séances Cl. Sci. Acad. Roy. Sci. Belgique **21**: 239, 1854, nom. illeg. (Art. 53.1).
[https://www.biodiversitylibrary.org/page/36937766#page/833/mode/1up].



1268. Torula heterospora Rabenh. Mspt.
T. catenis pedunculatis atris, pedunculis deorsum attenuatis septatis subvirescentibus, sporis globosis ellipticis interpositis oliva ceis semipellucidis guttulis oleosis saepe farctis.
Torulae reptanti Corda I. T. II. F. **137.** proxima!
Ad ramos emortuos Pyri communi pr. Schwerin. Fiedler.

Fig. 77

Nodulisporium Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1272, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 87, 1849].
Notes: This is a valid genus name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1272 (fig. 78).



Nodulisporium nov. gen.
Flocci erecti, septati irregulariter ramosi; noduli verrucosi apice subcapitati seu laterales; sporis simplicibus verrucis innatis dein deciduis et hylo instructis. Hyphasma effusum.

1272. Nodulisporium ocheraceum Preuss.
Acervulis late expansis sublanuginosis ocheraceis; floccis septatis, laxis ramosis apice incrassato verrucosis, sporidiferis; sporis ovatis ocheraceis; episporio hyalino hasi hylo instructo.
Habitat in truncis Betulae putrescentibus. Preuss.

Fig. 78

Nodulisporium ochraceum Preuss (as "*ocheraceum*"), in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1272, 1849 [and Bot. Zeitung **7**: 294, 1849; Flora **32**: 87, 1849].
= ***Hypoxylon fragiforme*** (Pers.) J. Kickx f., Fl. crypt. Louvain (Bruxelles): 116, 1835.
Notes: This is a valid species name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1272 (fig. 78).

Acrostalagmus herbarum Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1277, 1849 [and Bot. Zeitung **7**: 295, 1849; Flora **32**: 87, 1849], nom. nud.
≡ *Acrostalagmus herbarum* Preuss, Linnaea **24**: 125, 1851.
Notes: Validly published by Preuss (1851).

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Acrostalagmus geniculatus Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1278, 1849 [and Bot. Zeitung **7**: 295, 1849; Flora **32**: 87, 1849].
Notes: This is a valid species name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1278 (fig. 51).

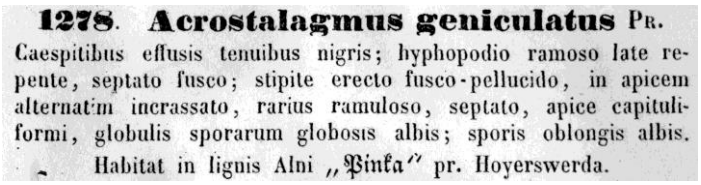

1278. Acrostalagmus geniculatus Pr.
Caespitibus effusis tenuibus nigris; hyphopodio ramoso late repente, septato fusco; stipite erecto fusco-pellucido, in apicem alternatim incrassato, rarius ramuloso, septato, apice capituliformi, globulis sporarum globosis albis; sporis oblongis albis.
Habitat in lignis Alni „Pinka" pr. Hoyerswerda.

Fig. 51

Penicillium finitimum Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1280, 1849 [and Bot. Zeitung **7**: 295, 1849; Flora **32**: 87, 1849].
≡ *Haplographium finitimum* (Preuss) Sacc., Syll. Fung. **4**: 307, 1886.
Notes: This is a valid species name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1278 (fig. 52). According to Houbraken & Samson (2011), probably belonging to *Thysanophora*.

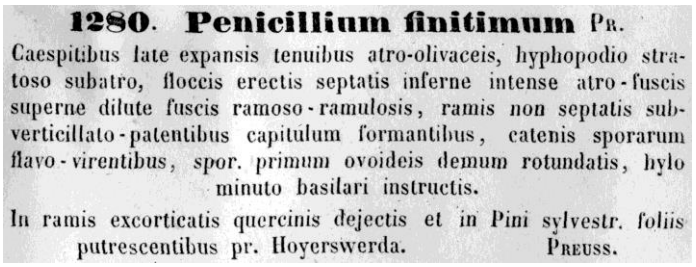

1280. Penicillium finitimum Pr.
Caespitibus late expansis tenuibus atro-olivaceis, hyphopodio stratoso subatro, floccis erectis septatis inferne intense atro-fuscis superne dilute fuscis ramoso-ramulosis, ramis *non* septatis subverticillato-patentibus capitulum formantibus, catenis sporarum flavo-virentibus, spor. primum ovoideis demum rotundatis, hylo minuto basilari instructis.
In ramis excorticatis quercinis dejectis et in Pini sylvestr. foliis putrescentibus pr. Hoyerswerda. Preuss.

Fig. 52

Plenodomus sclerotioides Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1281, 1849 [and Bot. Zeitung **7**: 295, 1849; Flora **32**: 87, 1849], nom. nud.
≡ *Phoma sclerotioides* Sacc. [as "(Preuss) Sacc."], Bull. Soc. Bot. Belg. **31**(2): 230, 1893.
≡ ***Leptosphaeria sclerotioides*** (Sacc.) Gruyter, Aveskamp & Verkley, in Gruyter, Woudenberg, Aveskamp, Verkley, Groenewald & Crous, Stud. Mycol. **75**: 19, 2012.
Notes: This species was validly published as *Phoma sclerotioides* by Saccaro (1993).

Plenodomus rabenhorstii Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1282, 1849 [and Bot. Zeitung **7**: 295, 1849; Flora **32**: 87, 1849], nom. nud.
≡ *Plenodomus rabenhorstii* Preuss, Linnaea **24**: 145, 1851.
Notes: Validly published by Preuss (1851).

Coryneum caudatum Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1283, 1849 [and Bot. Zeitung **7**: 295, 1849; Flora **32**: 87, 1849], nom. nud.

Alternaria chartarum Preuss, Bot. Zeitung **6**: 412, 1848.
Notes: Description repeated in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1284, 1849 [and Bot. Zeitung **7**: 295, 1849; Flora **32**: 87, 1849], later isonyms (fig. 53).

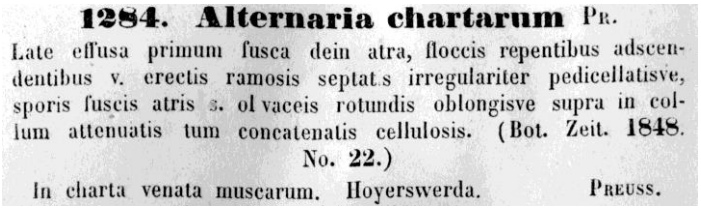

1284. Alternaria chartarum Pr.
Late effusa primum fusca dein atra, floccis repentibus adscendentibus v. erectis ramosis septatis irregulariter pedicellatisve, sporis fuscis atris s. olivaceis rotundis oblongisve supra in collum attenuatis tum concatenatis cellulosis. (Bot. Zeit. **1848**. No. **22**.)
In charta venata muscarum. Hoyerswerda. Preuss.

Fig. 53

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Synsporium Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1285, 1849 [and Bot. Zeitung **7**: 295, 1849; Flora **32**: 88, 1849].
= ***Stachybotrys*** Corda, Icon. fung. (Prague) **1**: 21, 1837.
Notes: This is a valid genus name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1285 (fig. 54).

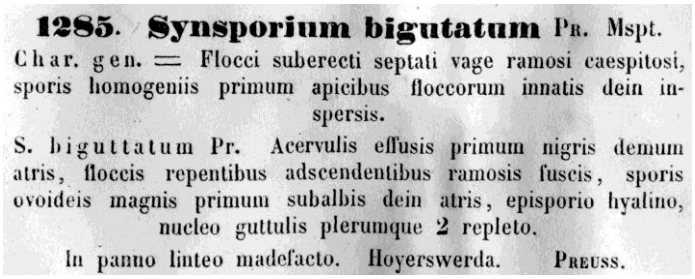

1285. Synsporium biguttatum Pr. Mspt.
Char. gen. = Flocci suberecti septati vage ramosi caespitosi, sporis homogeniis primum apicibus floccorum innatis dein inspersis.
S. biguttatum Pr. Acervulis effusis primum nigris demum atris, floccis repentibus adscendentibus ramosis fuscis, sporis ovoideis magnis primum subalbis dein atris, episporio hyalino, nucleo guttulis plerumque 2 repleto.
In panno linteo madefacto. Hoyerswerda. Preuss.

Fig. 54

Synsporium biguttatum Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1285, 1849 [and Bot. Zeitung **7**: 295, 1849; Flora **32**: 88, 1849].
= ***Stachybotrys chartarum*** (Ehrenb.) S. Hughes, Canad. J. Bot. **36**: 812, 1958.
Notes: This is a valid species name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1285 (fig. 54).

Phragmidium granulatum Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1288, 1849 [and Bot. Zeitung **7**: 295, 1849; Flora **32**: 88, 1849].
Notes: This is a valid species name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1288 (fig. 55).

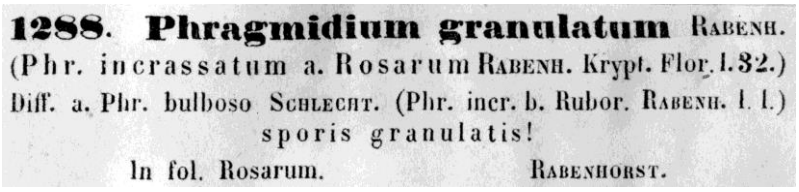

1288. Phragmidium granulatum Rabenh.
(Phr. incrassatum a. Rosarum Rabenh. Krypt. Flor. I. 32.)
Diff. a. Phr. bulboso Schlecht. (Phr. incr. b. Rubor. Rabenh. l. l.)
sporis granulatis!
In fol. Rosarum. Rabenhorst.

Fig. 55

Aecidium cichoracearum var. *tragopogonis* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1291, 1849 [and Bot. Zeitung **7**: 295, 1849; Flora **32**: 88, 1849], nom. nud.

Septotrichum coluteae Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1293, 1849 [and Bot. Zeitung **7**: 295, 1849; Flora **32**: 88, 1849].
Notes: This is a valid species name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1293 (fig. 56).

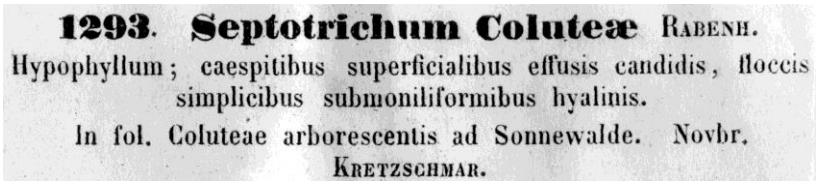

1293. Septotrichum Coluteæ Rabenh.
Hypophyllum; caespitibus superficialibus effusis candidis, floccis simplicibus submoniliformibus hyalinis.
In fol. Coluteae arborescentis ad Sonnewalde. Novbr.
Kretzschmar.

Fig. 56

Uredo sororia Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1294, 1849 [and Bot. Zeitung **7**: 296, 1849; Flora **32**: 88, 1849].
= ***Uromyces rumicis*** (Schumach.) G. Winter, in Rabenhorst's Krypt.-Fl., Pilze **1**(1): 145, 1881.
Notes: This is a valid species name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1294 (fig. 57). Type material has been examined. It contains teliospores.

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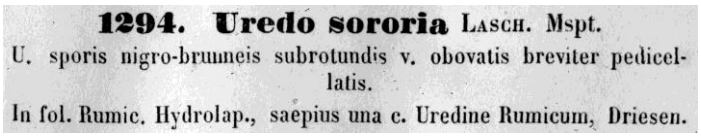

1294. Uredo sororia Lasch. Mspt.
U. sporis nigro-brunneis subrotundis v. obovatis breviter pedicellatis.
In fol. Rumic. Hydrolap., saepius una c. Uredine Rumicum, Driesen.

Fig. 57

Uredo clavigera Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1295, 1849 [and Bot. Zeitung **7**: 296, 1849; Flora **32**: 88, 1849].
= ***Uromyces polygoni-avicularis*** (Pers.) G.H. Otth, Mitt. Naturf. Ges. Bern **531-552**: 87, [1863] 1864.
Notes: This is a valid species name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1295 (fig. 58).

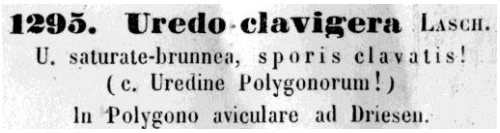

1295. Uredo clavigera Lasch.
U. saturate-brunnea, sporis clavatis!
(c. Uredine Polygonorum!)
In Polygono aviculare ad Driesen.

Fig. 58

Uredo caryophyllacearum var. *lychnidis-dioicae* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1298, 1849 [and Bot. Zeitung **7**: 296, 1849; Flora **32**: 88, 1849], nom. nud.

Cent. 14

Agaricus arenarius Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1310, 1850 [and Bot. Zeitung **8**: 438, 1850; Flora **33**: 282, 1850], nom. illeg. (Art. 53.1), non *A. arenarius* DC., 1815.
Notes: Published with a description on the label (fig. 59), but an illegitimate younger homonym.

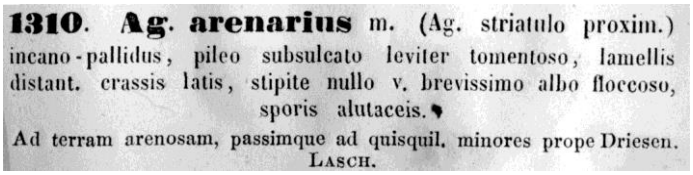

1310. Ag. arenarius m. (Ag. striatulo proxim.) incano-pallidus, pileo subsulcato leviter tomentoso, lamellis distant. crassis latis, stipite nullo v. brevissimo albo floccoso, sporis alutaceis.
Ad terram arenosam, passimque ad quisquil. minores prope Driesen. Lasch.

Fig. 59

Hydnum serpens Lasch (as "*Hydrum*"), in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1311, 1850 [and Bot. Zeitung **8**: 438, 1850; Flora **33**: 282, 1850].
= ***Kavinia himantia*** (Schwein.) J. Erikss., Symb. Bot. Upsal. **16**(1): 160, 1958.
Notes: This is a valid species name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1311 (fig. 60).

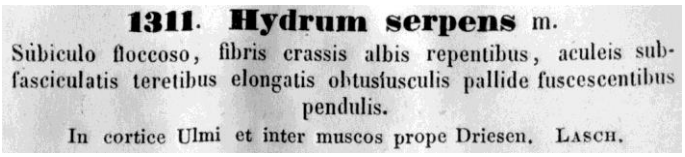

1311. Hydrum serpens m.
Subiculo floccoso, fibris crassis albis repentibus, aculeis subfasciculatis teretibus elongatis obtusiusculis pallide fuscescentibus pendulis.
In cortice Ulmi et inter muscos prope Driesen. Lasch.

Fig. 60

Peziza absinthii Lasch (as "*absynthii*"), in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1317, 1850 [and Bot. Zeitung **8**: 438, 1850; Flora **33**: 282, 1850].
≡ ***Pyrenopeziza absinthii*** (Lasch) Rehm, Rabenh. Krypt.-Fl., Edn 2 (Leipzig) **1.3**(Lief. 37): 625, [1896] 1892.
Notes: This is a valid species name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1317 (fig. 61).

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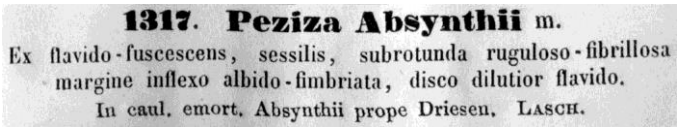

1317. **Peziza Absynthii** m.
Ex flavido-fuscescens, sessilis, subrotunda ruguloso-fibrillosa margine inflexo albido-fimbriata, disco dilutior flavido.
In caul. emort. Absynthii prope Driesen. Lasch.

Fig. 61

Sclerotium vitis Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1319, 1850 [and Bot. Zeitung **8**: 438, 1850; Flora **33**: 282, 1850], nom. nud.

Sclerotium perpusillum Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1320, 1850 [and Bot. Zeitung **8**: 438, 1850; Flora **33**: 282, 1850].
Notes: This is a valid species name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1320 (fig. 62).

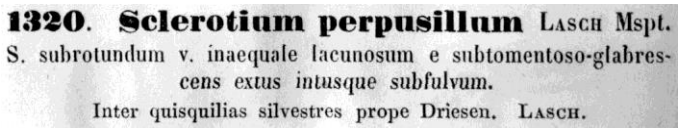

1320. **Sclerotium perpusillum** Lasch Mspt.
S. subrotundum v. inaequale lacunosum e subtomentoso-glabrescens extus intusque subfulvum.
Inter quisquilias silvestres prope Driesen. Lasch.

Fig. 62

Sphaeria viciae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1333, 1850 [and Bot. Zeitung **8**: 439, 1850; Flora **33**: 282, 1850], nom. nud.

Sphaeria culmifraga var. *foliicola* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1339, 1850 [and Bot. Zeitung **8**: 439, 1850; Flora **33**: 282, 1850], nom. nud.

Sphaeria ammophilae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1340, 1850 [and Bot. Zeitung **8**: 439, 1850; Flora **33**: 282, 1850].
≡ ***Amarenomyces ammophilae*** (Lasch) O.E. Erikss., Opera Bot. **60**: 124, 1981.
Notes: This is a valid species name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1340 (fig. 63).

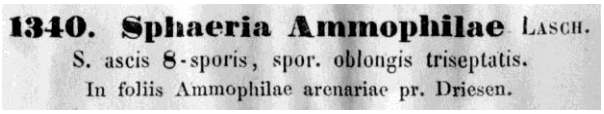

1340. **Sphaeria Ammophilae** Lasch.
S. ascis 8-sporis, spor. oblongis triseptatis.
In foliis Ammophilae arenariae pr. Driesen.

Fig. 63

Ascochyta sii Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1353, 1850 [and Bot. Zeitung **8**: 439, 1850; Flora **33**: 282, 1850].
≡ ***Septoria sii*** (Lasch) Roberge & Desm., Ann. Sci. Nat., Bot., Sér. 3, **20**: 92, 1853.
Notes: This is a valid species name published with a brief description on the label of Klotzschii Herb. Viv. Mycol. 1353 (fig. 64). *Septoria sii* has to be cited as combination based on *Ascochyta sii* (the later name is valid and was cited by Roberge and Desmazìeres as basionym).

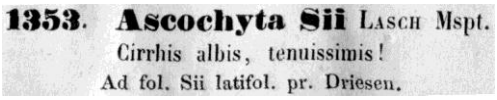

1353. **Ascochyta Sii** Lasch Mspt.
Cirrhis albis, tenuissimis!
Ad fol. Sii latifol. pr. Driesen.

Fig. 64

Ascochyta viburni Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1354, 1850 [and Bot. Zeitung **8**: 439, 1850; Flora **33**: 282, 1850], nom. nud.

Ascochyta teucrii Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1355, 1850 [and Bot. Zeitung **8**: 439, 1850; Flora **33**: 282, 1850].
Notes: This is a valid species name published with a brief description on the label of Klotzschii Herb. Viv. Mycol. 1355 (fig. 65). According to Mel'nik (1977), this species does not belong to *Ascochyta* (affinity unclear).

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1355. **Ascochyta Teucrii** Lasch Mspt.
Cirrhis albis! Ascis elongatis!
In fol. T. Scordii pr. Driesen.

Fig. 65

Depazea agrimoniae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1356, 1850 [and Bot. Zeitung **8**: 439, 1850; Flora **33**: 283, 1850], nom. nud.
≡ *Phyllosticta agrimoniae* (Lasch) Allesch. ex Died., Krypt.-Fl. Brandenburg (Leipzig) **9**: 19, 1912.
Notes: According to van der Aa & Vanev (2002), type material of this species contains pycnidia of two species, viz., an *Asteromella* stage probably belonging to *Mycosphaerella agrimoniae* Syd. & P. Syd. and a *Septoria* (cf. *agrimoniae-eupatoriae* E. Bommer & Rousseau). Diedicke (l.c.) confined this species to the first element and validated it as *Phyllosticta agrimoniae*.

Sporidesmium vulgare Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1361, 1850 [and Bot. Zeitung **8**: 439, 1850; Flora **33**: 283, 1850], nom. nov.
≡ *Stilbospora pyriformis* Hoffm. [as "*piriformis*"], Deutschl. Fl., Zweiter Theil (Erlangen): tab. 13, fig. 2, [1795] 1796, non *Sporidesmium pyriforme* Corda, 1837.
≡ *Stegonsporium pyriforme* (Hoffm.) Corda, Icon. fung. (Prague) **3**: 23, 1839.
= ***Prosthecium pyriforme*** Jaklitsch & Voglmayr, Mycol. Res. **112**(8): 898, 2008.
Notes: This name was published with a description on the label of Klotzschii Herb. Viv. Mycol. 1361 (fig. 66). However, Auerswald (l.c.) cited *Stegonsporium pyriforme* as synonym. Since the epithet "*pyriforme*" was already blocked under *Sporidesmium*, Auerswald's name has to be considered a new name (nom. nov.) based on *Stilbospora pyriformis*.

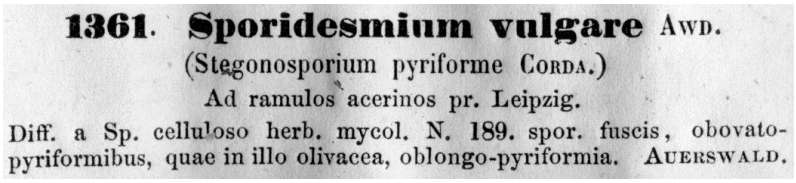

1361. **Sporidesmium vulgare** Awd.
(Stegonosporium pyriforme Corda.)
Ad ramulos acerinos pr. Leipzig.
Diff. a Sp. celluloso herb. mycol. N. 189. spor. fuscis, obovato-pyriformibus, quae in illo olivacea, oblongo-pyriformia. Auerswald.

Fig. 66

Sporidesmium vagum var. *robustum* Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1362, 1850 [and Bot. Zeitung **8**: 439, 1850; Flora **33**: 283, 1850], nom. nud.

Helminthosporium septosporium Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1371, 1850 [and Bot. Zeitung **8**: 439, 1850; Flora **33**: 283, 1850], nom. nud.

Acrostalagmus cylindrosporus Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1380, 1850 [and Bot. Zeitung **8**: 439, 1850; Flora **33**: 283, 1850], nom. nud.

Fusidium inaequale Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1383, 1850 [and Bot. Zeitung **8**: 439, 1850; Flora **33**: 283, 1850], non *Ramularia inequalis* (Preuss) U. Braun, 1998, **syn. nov.**
= *Fusidium roseum* Fuckel, Fungi Rhen. Exs., Fasc. III, no. 219, 1863.
≡ ***Ramularia rosea*** (Fuckel) Sacc., Fungi ital. del., Tab. 1001, 1881.
Notes: This is a valid species name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1383 (fig. 67). *F. inaequale*, described from Germany on *Salix triandra* (= *S. amygdalia*), is conspecific with *Ramularia rosea* (type material re-examined). *Fusidium inaequale* is the oldest name for this species, but the epithet "*inaequalis*" is blocked in *Ramularia* by *R. inequalis* (Preuss) U. Braun.

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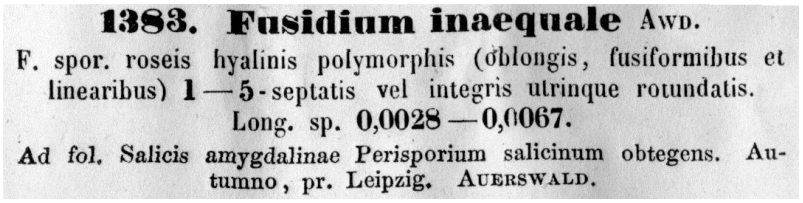

1383. Fusidium inaequale Awd.
F. spor. roseis hyalinis polymorphis (oblongis, fusiformibus et linearibus) 1—5-septatis vel integris utrinque rotundatis.
Long. sp. 0,0028—0,0067.
Ad fol. Salicis amygdalinae Perisporium salicinum obtegens. Autumno, pr. Leipzig. Auerswald.

Fig. 67

Phragmidium effusum Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1391, 1850 [and Bot. Zeitung **8**: 440, 1850; Flora **33**: 283, 1850].
= ***Phragmidium rubi-idaei*** (DC.) P. Karst., Bidr. Känn. Finl. Nat. Folk **31**: 52, 1878.
Notes: This is a valid species name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1391 (fig. 68). This species was already reduced to synonymy with *Phragmidium rubi-idaei* in Saccardo (1888: 748).

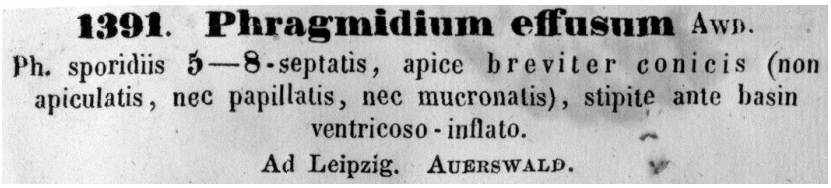

1391. Phragmidium effusum Awd.
Ph. sporidiis 5—8-septatis, apice breviter conicis (non apiculatis, nec papillatis, nec mucronatis), stipite ante basin ventricoso-inflato.
Ad Leipzig. Auerswald.

Fig. 68

Ectostroma plantaginis Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1393, 1850 [and Bot. Zeitung **8**: 440, 1850; Flora **33**: 283, 1850], nom. nud.

Puccinia sertata Preuss, in J. Sturm, Deutschl. Fl., Abth. III, Die Pilze Deutschlands, Band 6, Heft 25–26: 5, Tab. 3, 1848 [published with reference to the latter work in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1395, 1850; Bot. Zeitung **8**: 439, 1850; Flora **33**: 283, 1850, and Linnaea **24**: 104, 1851].
= ***Puccinia coronata*** Corda, Icon. fung. **1**: 6, t. 2:96, 1837.
Notes: Reduced to synonymy with *Puccinia coronata* in Saccardo (1888: 623), which could be confirmed (type material re-examined). The first valid description of *P. sertata* dates back to 1848 (see reference above) and was supplemented by an illustration (plate).

Puccinia glycyrrhizae Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1396, 1850 [and Bot. Zeitung **8**: 440, 1850; Flora **33**: 283, 1850].
≡ ***Uromyces glycyrrhizae*** (Rabenh.) Magnus, Ber. Deutsch. Bot. Ges. **8**: 383, 1890.
Notes: This is a valid species name published with a description on the label of Klotzschii Herb. Viv. Mycol. 1396 (fig. 69).

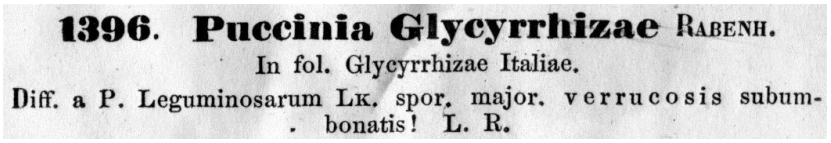

1396. Puccinia Glycyrrhizae Rabenh.
In fol. Glycyrrhizae Italiae.
Diff. a P. Leguminosarum Lk. spor. major. verrucosis subumbonatis! L. R.

Fig. 69

Puccinia herniariae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 14: no. 1397, 1850 [and Bot. Zeitung **8**: 440, 1850; Flora **33**: 283, 1850], nom. nud.

Cent. 15

Marasmius stipulicola Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1402, 1850 [and Bot. Zeitung **9**: 178, 1851; Flora **34**: 73, 1851], nom. illeg. (Art. 52.1)
Notes: This species name was published with a brief description on the label of Klotzschii Herb. Viv. Mycol. 1402 (fig. 70), but *Agaricus juncicola* was cited as synonym.

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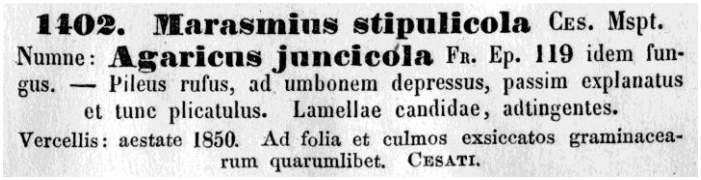

1402. Marasmius stipulicola Ces. Mspt.
Numne: **Agaricus juncicola** Fr. Ep. 119 idem fungus. — Pileus rufus, ad umbonem depressus, passim explanatus et tunc plicatulus. Lamellae candidae, adtingentes.
Vercellis: aestate 1850. Ad folia et culmos exsiccatos graminacearum quarumlibet. Cesati.

Fig. 70

Erysiphe xanthii Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1413, 1850 [and Bot. Zeitung **9**: 178, 1851; Flora **34**: 73, 1851], nom. nud. (non *E. xanthii* Castagne, 1845).
= ***Podosphaera xanthii*** (Castagne) U. Braun & Shishkoff, Schlechtendalia **4**: 31, 2000.

Peziza ebuli Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1424, 1850 [and Bot. Zeitung **9**: 179, 1851; Flora **34**: 73, 1851].
Notes: This species name was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1424 (fig. 71).

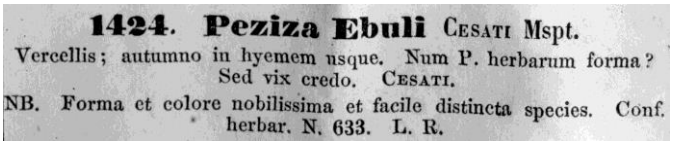

1424. Peziza Ebuli Cesati Mspt.
Vercellis; autumno in hyemem usque. Num P. herbarum forma? Sed vix credo. Cesati.
NB. Forma et colore nobilissima et facile distincta species. Conf. herbar. N. 633. L. R.

Fig. 71

Myropyxis caricicola Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1429, 1850 [and Bot. Zeitung **9**: 179, 1851; Flora **34**: 73, 1851].
Notes: The name of the genus, *Myropyxis*, and the species, *M. caricicola*, were validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1429 (fig. 72) [Art. 38.5].

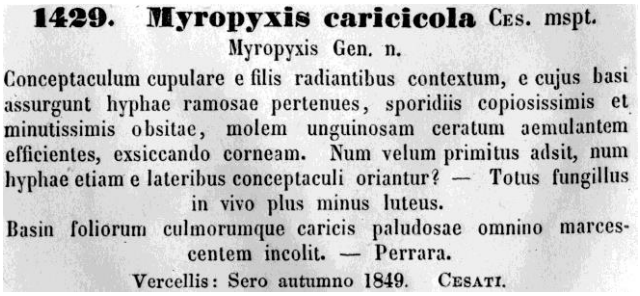

1429. Myropyxis caricicola Ces. mspt.
Myropyxis Gen. n.
Conceptaculum cupulare e filis radiantibus contextum, e cujus basi assurgunt hyphae ramosae pertenues, sporidiis copiosissimis et minutissimis obsitae, molem unguinosam ceratum aemulantem efficientes, exsiccando corneam. Num velum primitus adsit, num hyphae etiam e lateribus conceptaculi oriantur? — Totus fungillus in vivo plus minus luteus.
Basin foliorum culmorumque caricis paludosae omnino marcescentem incolit. — Perrara.
Vercellis: Sero autumno 1849. Cesati.

Fig. 72

Thysanopyxis pulchella Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1432, 1850 [and Bot. Zeitung **9**: 179, 1851; Flora **34**: 73, 1851].
Notes: The name of the genus, *Thysanopyxis*, and the species, *T. pulchella*, were validly published with descriptions on the label of Klotzschii Herb. Viv. Mycol. 1432 (fig. 73).

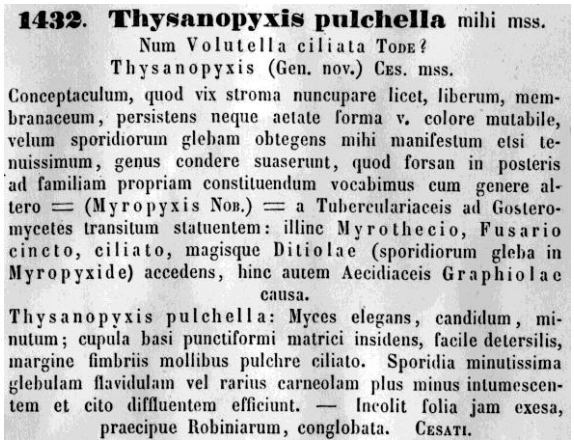

1432. Thysanopyxis pulchella mihi mss.
Num Volutella ciliata Tode?
Thysanopyxis (Gen. nov.) Ces. mss.
Conceptaculum, quod vix stroma nuncupare licet, liberum, membranaceum, persistens neque aetate forma v. colore mutabile, velum sporidiorum glebam obtegens mihi manifestum etsi tenuissimum, genus condere suaserunt, quod forsan in posteris ad familiam propriam constituendum vocabimus cum genere altero = (Myropyxis Nob.) = a Tuberculariaceis ad Gasteromycetes transitum statuentem: illinc Myrothecio, Fusario cincto, ciliato, magisque Ditiolae (sporidiorum gleba in Myropyxide) accedens, hinc autem Aecidiaceis Graphiolae causa.
Thysanopyxis pulchella: Myces elegans, candidum, minutum; cupula basi punctiformi matrici insidens, facile detersilis, margine fimbriis mollibus pulchre ciliato. Sporidia minutissima glebulam flavidulam vel rarius carneolam plus minus intumescentem et cito diffluentem efficiunt. — Incolit folia jam exesa, praecipue Robiniarum, conglobata. Cesati.

Fig. 73

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Helicotrichum candidum Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1434, 1850 [and Bot. Zeitung **9**: 179, 1851; Flora **34**: 74, 1851], nom. nud.
≡ *Helicotrichum candidum* Preuss, Linnaea **24**: 111, 1851.
≡ ***Helicoma candidum*** (Preuss) Linder, Ann. Missouri Bot. Gard. **16**: 316, 1929.

Crocysporium album Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1435, 1850 [and Bot. Zeitung **9**: 179, 1851; Flora **33**: 74, 1851], nom. nud.
≡ *Crocysporium album* Preuss, Linnaea **24**: 148, 1851.

Menispora ciliata var. *rotundata* Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1436, 1850 [and Bot. Zeitung **9**: 179, 1851; Flora **34**: 74, 1851], nom. nud.
Notes: This variety was later probably described as *Menispora ciliata* var. *obtusata* Preuss, Linnaea **24**: 119, 1851.

Fusarium cesatii Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1440, 1850 [and Bot. Zeitung **9**: 179, 1851; Flora **34**: 74, 1851].
Notes: This species name was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1440 (fig. 74).

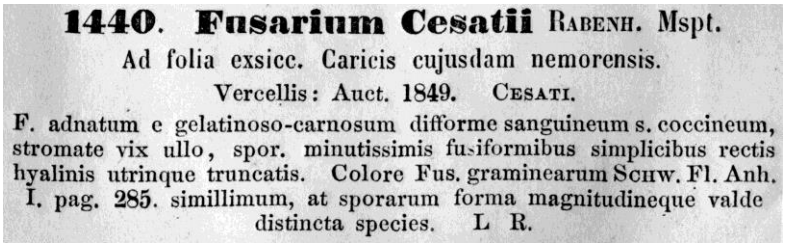

1440. Fusarium Cesatii Rabenh. Mspt.
Ad folia exsicc. Caricis cujusdam nemorensis.
Vercellis: Auct. 1849. Cesati.
F. adnatum e gelatinoso-carnosum difforme sanguineum s. coccineum, stromate vix ullo, spor. minutissimis fusiformibus simplicibus rectis hyalinis utrinque truncatis. Colore Fus. graminearum Schw. Fl. Anh. I. pag. 285. simillimum, at sporarum forma magnitudineque valde distincta species. L. R.

Fig. 74

Cesatia Rabenh. And *Cesatia spartii* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1443, 1850 [and Bot. Zeitung **9**: 180, 1851; Flora **34**: 74, 1851].
Notes: The name of the genus, *Cesatia*, and the species, *C. spartii*, were validly published with descriptions on the label of Klotzschii Herb. Viv. Mycol. 1443 (fig. 75).


1443. Cesatia Rabenh. (Gen. nov.)
Pyrenia tenuissime membranacea entophleodea, basidia filiformia simplicia abeuntia in sporas primitus moniliformi-seriatas, demum papillae aterrimae forma calervatim erumpentes, breve cylindraceas utrinque obtuso-truncatas.
Papillae s. globuli ostiola mentiunt quodammodo.
Cesatia Spartii Rabenh. Mspt.
C. sporis oblongis s. cylindraceis utrinque truncatis obtusangulis simplicibus hyalinis laevibus.
Fungillus sero hyeme mihi obvius ad ramulos Spartii (Genistae), Scoparii humistratos arenaque conspurcatos.
Vercellis: 1850. Cesati.

Fig. 75

Halonia salicella (Fr.) Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1445, 1850 [and Bot. Zeitung **9**: 180, 1851; Flora **34**: 74, 1851].
≡ *Sphaeria salicella* Fr., Syst. Mycol. **2**(2): 377, 1823.
≡ *Halonia salicella* (Fr.) Quél., Mém., Soc. Émul. Montbéliard, Sér. 2, **5**: 526, 1875.
≡ ***Plagiostoma salicellum*** (Fr.) Sogonov, Stud. Mycol. **62**: 73, 2008.
Notes: *Halonia salicella* (Fr.) Rabenh. is the first valid combination of this species in *Halonia*, earlier than *H. salicella* (Fr.) Quél. (fig. 76).

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1445. Halonia Salicella Rabenh.
Sphaeria Salicella Fr. syst. II. pag. 377.
Asci tenerrimi vix visibiles hyalini, sporis fusiformibus utrinque rotundatis, rectis v. curvatis pellucidis uniseptatis.
Ad ramos emortuos Salicis vitellinae pr. Ponickau (Flor. Saxon.) leg. Auerswald.

Fig. 76

Placentaria Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1446, 1850 [and Bot. Zeitung **9**: 180, 1851; Flora **33**: 74, 1851].
Placentaria depressa Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1446, 1850 [and Bot. Zeitung **9**: 180, 1851; Flora **33**: 74, 1851], nom. nud.
Notes: The name of the genus *Placentaria* was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1446 (fig. 77). The species name *P. depressa* was not validly described.

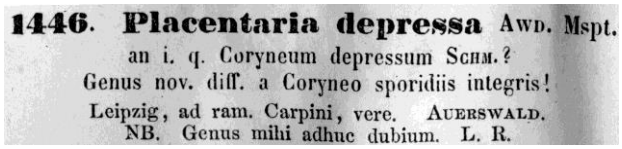

1446. Placentaria depressa Awd. Mspt.
an i. q. Coryneum depressum Schm.?
Genus nov. diff. a Coryneo sporidiis integris!
Leipzig, ad ram. Carpini, vere. Auerswald.
NB. Genus mihi adhuc dubium. L. R.

Fig. 77

Sphaeria achilleae Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1448, 1850 [and Bot. Zeitung **9**: 180, 1851; Flora **34**: 75, 1851].
= ***Phomopsis arctii*** (Lasch) Traverso, Fl. ital. crypt., Pars 1: Fungi. Pyrenomycetae. Xylariaceae, Valsaceae, Ceratostomataceae **2**(1): 226, 1906.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1448 (fig. 78). *Sphaeria achilleae* Kirchn., published in 1856, is a younger homonym.


1448. Sphaeria Achilleae Awd.
Peritheriis gregariis, saepius confluentibus, subdepresso-globosis, insculptis, ostiolis plus minusve elongatis, epidermidem perforantibus, in madidis perithecia multoties superantibus, paululum incurvis vel flexuosis; ascis 8-sporis, brevibus, subfusiformi-clavatis, sessilibus; sporidiis parvis, oblongis, hyalinis, 4-septatis, loculis binis mediis quam marginalia majoribus.
Ad caules aridos Achilleae Millefolii pr. Leipzig. Auerswald.

Fig. 78

Sphaeria tridactylidis Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1451, 1850 [and Bot. Zeitung **9**: 180, 1851; Flora **34**: 75, 1851].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1451 (fig. 79).

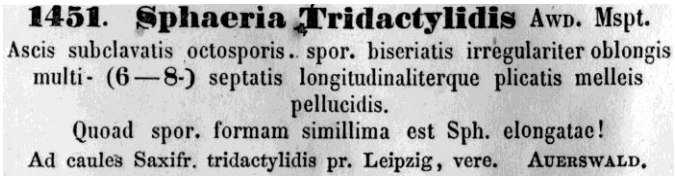

1451. Sphaeria Tridactylidis Awd. Mspt.
Ascis subclavatis octosporis. spor. biseriatis irregulariter oblongis multi- (6—8-) septatis longitudinaliterque plicatis melleis pellucidis.
Quoad spor. formam simillima est Sph. elongatae!
Ad caules Saxifr. tridactylidis pr. Leipzig, vere. Auerswald.

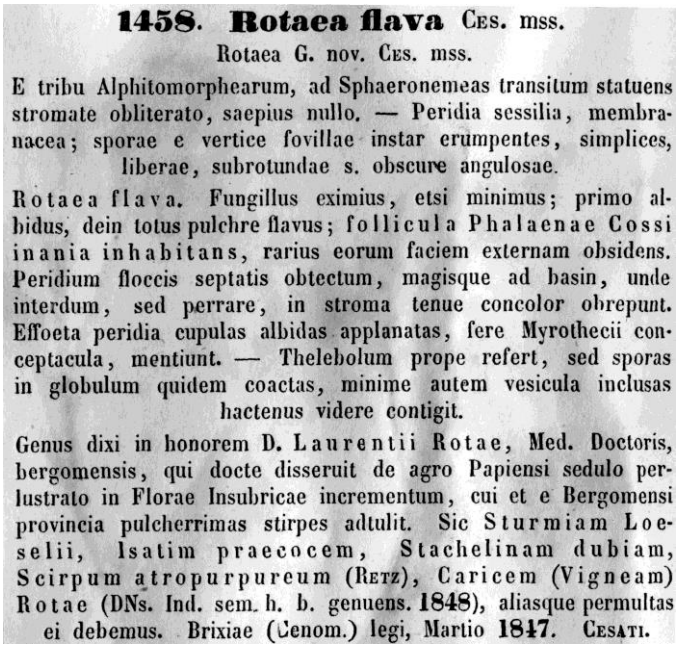
Fig. 79

Septoria violae Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1457, 1850 [and Bot. Zeitung **9**: 180, 1851; Flora **34**: 75, 1851], nom. nud.
= ***Cercospora violae*** Sacc., Nuovo Giorn. Bot. Ital. **8**(2): 187, 1876.
Notes: A duplicate of Klotzschii Herb. Viv. Mycol. 1457, deposited at HAL, has been examined. The only traceable fungus on the leaves of *Viola canina* belongs to *Cercospora violae* Sacc. (with brown stromata and immature, very short conidiophores and conidia). Saccardo (1884: 519) introduced *Septoria violicola* Sacc. based on *S. violae* Rabenh. ex Fuckel (1874: 82) [non *S. violae* Westend. 1854]. Saccardo's (l.c.) description (conidia curved, 24 × 7–

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8 µm, 1–2-septate) was taken from Fuckel (l.c.) who based his description on a collection on *Viola biflora* from Switzerland (Ragaz), distributed in Fuckel, Fungi Rhen. Exs. 2430, and cited in Fuckel (1874: 82). A duplicate preserved at HAL has been examined and identified as:
Marssonina violae (Pass.) Magnus, Hedwigia **45**: 90, 1906.
≡ *Gloeosporium violae* Pass., Micr. Ital.: no. 18, 1849.
= *Septoria violae* Fuckel, Jahrb. Nassauischen Vereins Naturk. **27-28**: 82, ["1873"] 1874, nom. illeg. (Art. 52.1), non Westend., 1854.
≡ *Septoria violicola* Sacc., Syll. Fung. **3**: 519, 1884.

Rotaea flava Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1458, 1850 [and Bot. Zeitung **9**: 180, 1851; Flora **34**: 75, 1851].
≡ *Sporidesmium flavum* (Ces.) Bonord., Bot. Zeitung **11**: 283, 1853.
Notes: The name of the genus, *Rotaea*, and the species, *R. flava*, were validly published with descriptions on the label of Klotzschii Herb. Viv. Mycol. 1458 (fig. 80).



1458. Rotaea flava Ces. mss.

Rotaea G. nov. Ces. mss.

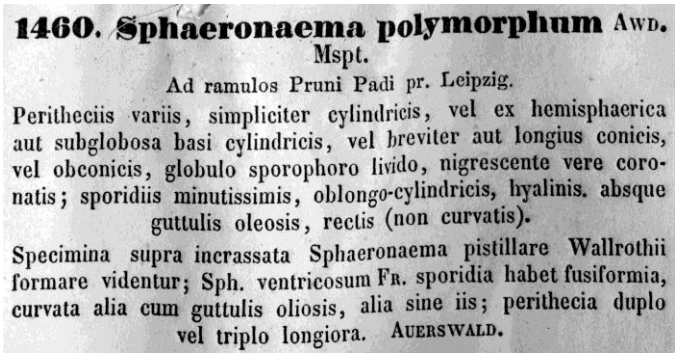
E tribu Alphitomorphearum, ad Sphaeronemeas transitum statuens stromate obliterato, saepius nullo. — Peridia sessilia, membranacea; sporae e vertice fovillae instar erumpentes, simplices, liberae, subrotundae s. obscure angulosae.

Rotaea flava. Fungillus eximius, etsi minimus; primo albidus, dein totus pulchre flavus; follicula Phalaenae Cossi inania inhabitans, rarius eorum faciem externam obsidens. Peridium floccis septatis obtectum, magisque ad basin, unde interdum, sed perrare, in stroma tenue concolor obrepunt. Effoeta peridia cupulas albidas applanatas, fere Myrothecii conceptacula, mentiunt. — Thelebolum prope refert, sed sporas in globulum quidem coactas, minime autem vesicula inclusas hactenus videre contigit.

Genus dixi in honorem D. Laurentii Rotae, Med. Doctoris, bergomensis, qui docte disseruit de agro Papiensi sedulo perlustrato in Florae Insubricae incrementum, cui et e Bergomensi provincia pulcherrimas stirpes adtulit. Sic Sturmiam Loeselii, Isatim praecocem, Stachelinam dubiam, Scirpum atropurpureum (Retz), Caricem (Vigneam) Rotae (DNs. Ind. sem. h. b. genuens. 1848), aliasque permultas ei debemus. Brixiae (Cenom.) legi, Martio 1847. Cesati.

Fig. 80

Sphaeronaema polymorphum Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1460, 1850 [and Bot. Zeitung **9**: 181, 1851; Flora **34**: 75, 1851].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1460 (fig. 81).



1460. Sphaeronaema polymorphum Awd.

Mspt.

Ad ramulos Pruni Padi pr. Leipzig.

Peritheciis variis, simpliciter cylindricis, vel ex hemisphaerica aut subglobosa basi cylindricis, vel breviter aut longius conicis, vel obconicis, globulo sporophoro livido, nigrescente vere coronatis; sporidiis minutissimis, oblongo-cylindricis, hyalinis, absque guttulis oleosis, rectis (non curvatis).

Specimina supra incrassata Sphaeronaema pistillare Wallrothii formare videntur; Sph. ventricosum Fr. sporidia habet fusiformia, curvata alia cum guttulis oliosis, alia sine iis; perithecia duplo vel triplo longiora. Auerswald.

Fig. 81

Sphaeronaema serratulae (Rabenh.) Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1461, 1850 [and Bot. Zeitung **9**: 181, 1851; Flora **34**: 76, 1851].
≡ *Ceuthospora serratulae* Rabenh., Deutschl. Krypt.-Fl. (Leipzig) **1**: 144, 1844.

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Sphaeronaema anchusae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1462, 1850 [and Bot. Zeitung **9**: 81, 1851; Flora **34**: 76, 1851].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1462 (fig. 82).

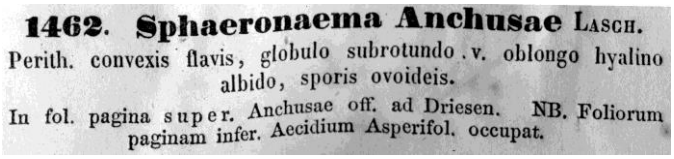

1462. Sphaeronaema Anchusae Lasch.
Perith. convexis flavis, globulo subrotundo v. oblongo hyalino albido, sporis ovoideis.
In fol. pagina super. Anchusae off. ad Driesen. NB. Foliorum paginam infer. Aecidium Asperifol. occupat.

Fig. 82

Sphaeronaema cerasi Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1464, 1850 [and Bot. Zeitung **9**: 181, 1851; Flora **34**: 76, 1851].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1464 (fig. 83).

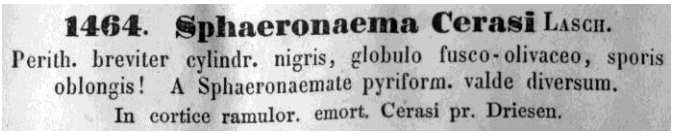

1464. Sphaeronaema Cerasi Lasch.
Perith. breviter cylindr. nigris, globulo fusco-olivaceo, sporis oblongis! A Sphaeronaemate pyriform. valde diversum.
In cortice ramulor. emort. Cerasi pr. Driesen.

Fig. 83

Hymenula vulgaris f. *phytolaccae* Ces, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1467, 1850 [and Bot. Zeitung **9**: 181, 1851; Flora **34**: 76, 1851].
Notes: This taxon is recognizable as host/substrate forma (described "ad caules *Phytolaccae marcescentes*") published on the label of Klotzschii Herb. Viv. Mycol. 1467 (fig. 84).


1467. Hymenula vulgaris forma Phytolaccae Ces. mss.
Ad caules Phytolaccae marcescentes. Vercellis: autumno et hyeme.
Cesati.

Fig. 84

Sporidesmium nodosum Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1475, 1850 [and Bot. Zeitung **9**: 182, 1851; Flora **34**: 76, 1851], nom. nud.
≡ *Sporidesmium nodosum* Preuss, Linnaea **24**: 103, 1851.
≡ ***Piricauda nodosa*** (Preuss) R.T. Moore, Rhodora **61**: 102, 1959.

Sorosporium saponariae var. *gypsophilae* Ces, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1480, 1850 [and Bot. Zeitung **9**: 182, 1851; Flora **34**: 76, 1851], nom. nud.
Notes: "*Sorosporium saponariae* f. *gypsophilae* Ces., in Rabenhorst, Klotzschii Herb. Viv. Mycol., Fasc. **1**: no. 92, 1847" is a wrong citation. Cent. 1 of Klotzschii Herb. Viv. Mycol. was published in 1832, and no. 92 contains *Caeoma leguminosarum*. Klotzschii Herb. Viv. Mycol., Ed. Nov., Cent. 1 was published in 1855, including no. 92 with *Sorosporium saponariae* on *Saponaria officinalis*.

Sorosporium scleranthi Rabenh./*Peronospora scleranthi* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1481 (a/b), 1850 [and Bot. Zeitung **9**: 182, 1851; Flora **34**: 76, 1851], nom. nud. (fig. 85).
≡ ***Peronospora scleranthi*** Rabenh. ex J. Schröt., in Cohn, Krypt.-Fl. Schlesien (Breslau) **3.1**(9–16): 251, [1889] 1886.

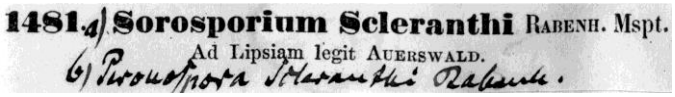

1481. a) Sorosporium Scleranthi Rabenh. Mspt.
Ad Lipsiam legit Auerswald.
b) Peronospora Scleranthi Rabenh.

Fig. 85

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Fusidium geranii Ces, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1483, 1850 [and Bot. Zeitung **9**: 182, 1851; Flora **34**: 76, 1851], nom. nud.
= ***Ramularia geranii*** Fuckel, Jahrb. Nassauischen Vereins Naturk. **23-24**: 361, ["1869"] 1870.

Puccinia dracunculi Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1488, 1850 [and Bot. Zeitung **9**: 182, 1851; Flora **34**: 76, 1851], nom. nud.
= ***Puccinia dracunculina*** Fahrend., Ann. Mycol. **39**(2/3): 181, 1941.

Aecidium verbasci Ces, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1491, 1850 [and Bot. Zeitung **9**: 182, 1851; Flora **34**: 77, 1851]
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1491 (fig. 86). The duplicate deposited at HAL has been examined. The identity of *A. verbasci* and its relation to *Uromyces verbasci* Niessl are unclear. The conidia have a distinct tendency to become polyhedral and have rather thick walls, to 2 µm wide.

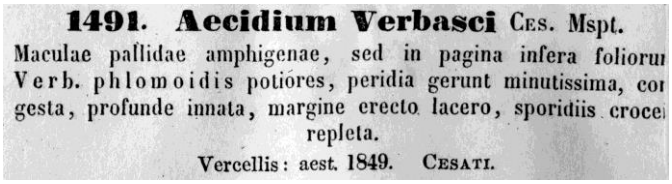

1491. Aecidium Verbasci Ces. Mspt.
Maculae pallidae amphigenae, sed in pagina infera foliorum
Verb. phlomoidis potiores, peridia gerunt minutissima, cor
gesta, profunde innata, margine erecto lacero, sporidiis croce
repleta.
Vercellis: aest. 1849. Cesati.

Fig. 86

Aecidium convolvulacearum Ces, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1492, 1850 [and Bot. Zeitung **9**: 182, 1851; Flora **34**: 77, 1851], nom. nud.
= ***Puccinia convolvuli*** (Pers.) Castagne, Observ. Uréd. **1**: 16, 1842.

Aecidium ranunculacearum f. *napelli* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1494 a, 1850 [and Bot. Zeitung **9**: 182, 1851; Flora **34**: 77, 1851].
= ***Aecidium aconiti-napelli*** (DC.) G. Winter, Rabenh. Krypt.-Fl., Edn 2 (Leipzig) **1.1**: 268, [1884] 1881 [***Puccinia persistens*** Plowr. s. lat.].
Notes: Introduced as f. *napelli* on the label of Klotzschii Herb. Viv. Mycol. 1491 without any description, but nevertheless valid as host/substrate forma.

Aecidium ranunculacearum f. *calthae* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1494 b, 1850 [and Bot. Zeitung **9**: 182, 1851; Flora **34**: 77, 1851].
= ***Puccinia calthae*** Link, in Willdenow, Sp. pl., Edn 4, **6**(2): 79, 1825.
Notes: Introduced as f. *calthae* on the label of Klotzschii Herb. Viv. Mycol. 1491 b without any description, but nevertheless valid as host/substrate forma.

Uredo fuscovirens Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1497, 1850 [and Bot. Zeitung **9**: 182, 1851; Flora **34**: 77, 1851].
= ***Ustilago filiformis*** (Schrank) Rostr., Bot. Foren. Festskr. Kjøbenhavn **54**: 136, 1890.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1497 (fig. 87).

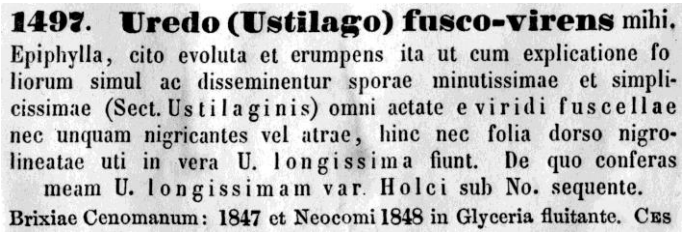
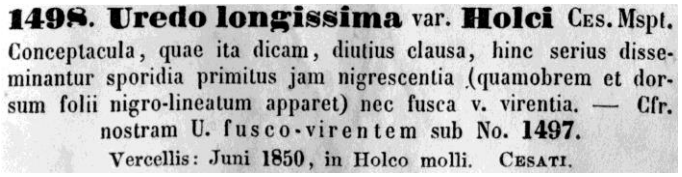

1497. Uredo (Ustilago) fusco-virens mihi.
Epiphylla, cito evoluta et erumpens ita ut cum explicatione fo
liorum simul ac disseminentur sporae minutissimae et simpli-
cissimae (Sect. Ustilaginis) omni aetate e viridi fuscellae
nec unquam nigricantes vel atrae, hinc nec folia dorso nigro-
lineatae uti in vera U. longissima fiunt. De quo conferas
meam U. longissimam var. Holci sub No. sequente.
Brixiae Cenomanum: 1847 et Neocomi 1848 in Glyceria fluitante. Ces

Fig. 87

Uredo longissima var. *holci* Ces., Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1498, 1850 [and Bot. Zeitung **9**: 182, 1851; Flora **34**: 77, 1851].

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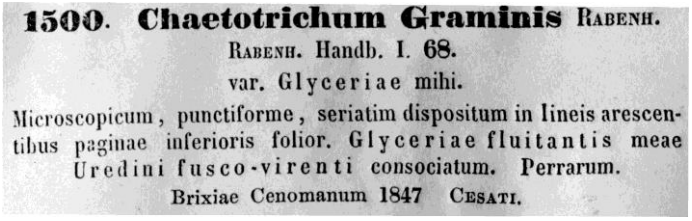
= ***Ustilago striiformis*** (Westend.) Niessl, Hedwigia **15**: 1, 1876 (s. lat.).
Notes: This variety was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1498 (fig. 88).



1498. Uredo longissima var. **Holci** Ces. Mspt.
Conceptacula, quae ita dicam, diutius clausa, hinc serius disseminantur sporidia primitus jam nigrescentia (quamobrem et dorsum folii nigro-lineatum apparet) nec fusca v. virentia. — Cfr. nostram U. fusco-virentem sub No. **1497.**
Vercellis: Juni **1850**, in Holco molli. Cesati.

Fig. 88

Chaetotrichum graminis var. *glyceriae* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1500, 1850 [and Bot. Zeitung **9**: 182, 1851; Flora **34**: 77, 1851].
Notes: This variety was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1500 (fig. 89).

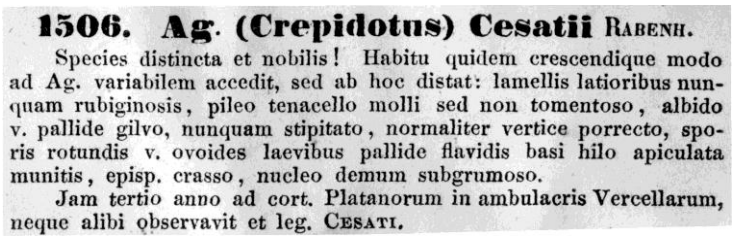


1500. Chaetotrichum Graminis Rabenh.
Rabenh. Handb. I. 68.
var. Glyceriae mihi.
Microscopicum, punctiforme, seriatim dispositum in lineis arescentibus paginae inferioris folior. Glyceriae fluitantis meae Uredini fusco-virenti consociatum. Perrarum.
Brixiae Cenomanum 1847 Cesati.

Fig. 89

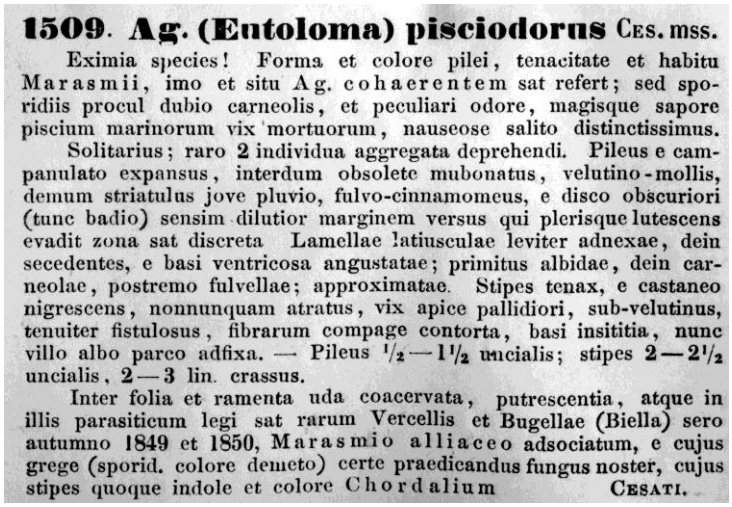
Cent. 16

Agaricus cesatii Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1506, 1851 [and Bot. Zeitung **9**: 643, 1851; Flora **34**: 564, 1851].
≡ ***Crepidotus cesatii*** (Rabenh.) Sacc., Michelia **1**(1): 2, 1877.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1506 (fig. 90).



1506. Ag. (Crepidotus) Cesatii Rabenh.
Species distincta et nobilis! Habitu quidem crescendique modo ad Ag. variabilem accedit, sed ab hoc distat: lamellis latioribus nunquam rubiginosis, pileo tenacello molli sed non tomentoso, albido v. pallide gilvo, nunquam stipitato, normaliter vertice porrecto, sporis rotundis v. ovoides laevibus pallide flavidis basi hilo apiculata munitis, episp. crasso, nucleo demum subgrumoso.
Jam tertio anno ad cort. Platanorum in ambulacris Vercellarum, neque alibi observavit et leg. Cesati.

Fig. 90



1509. Ag. (Entoloma) pisciodorus Ces. mss.
Eximia species! Forma et colore pilei, tenacitate et habitu Marasmii, imo et situ Ag. cohaerentem sat refert; sed sporidiis procul dubio carneolis, et peculiari odore, magisque sapore piscium marinorum vix mortuorum, nauseose salito distinctissimus.
Solitarius; raro 2 individua aggregata deprehendi. Pileus e campanulato expansus, interdum obsolete mubonatus, velutino-mollis, demum striatulus jove pluvio, fulvo-cinnamomeus, e disco obscuriori (tunc badio) sensim dilutior marginem versus qui plerisque lutescens evadit zona sat discreta. Lamellae latiusculae leviter adnexae, dein secedentes, e basi ventricosa angustatae; primitus albidae, dein carneolae, postremo fulvellae; approximatae. Stipes tenax, e castaneo nigrescens, nonnunquam atratus, vix apice pallidiori, sub-velutinus, tenuiter fistulosus, fibrarum compage contorta, basi insititia, nunc villo albo parco adfixa. — Pileus $^1/_2$—$1^1/_2$ uncialis; stipes 2—$2^1/_2$ uncialis, 2—3 lin. crassus.
Inter folia et ramenta uda coacervata, putrescentia, atque in illis parasiticum legi sat rarum Vercellis et Bugellae (Biella) sero autumno 1849 et 1850, Marasmio alliaceo adsociatum, e cujus grege (sporid. colore demeto) certe praedicandus fungus noster, cujus stipes quoque indole et colore Chordalium Cesati.

Fig. 91

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Agaricus pisciodorus Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1509, 1851 [and Bot. Zeitung **9**: 644, 1851; Flora **34**: 565, 1851].
= ***Macrocystidia cucumis*** (Pers.) Joss., Bull. Trimest. Soc. Mycol. Fr. **49**: 373, [1933] 1934.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1509 (fig. 91).

Agaricus rimulincola Rabenh. ["*rimulincula*"], Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1511, 1851 [and Bot. Zeitung **9**: 644, 1851; Flora **34**: 565, 1851].
≡ ***Phaeomarasmius rimulincola*** (Rabenh.) Scherff., in Moesz, Bot. Közl. **13**: 20, 1914.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1511 (fig. 92).

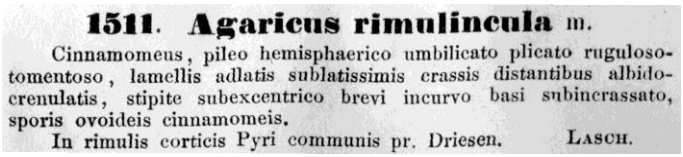

1511. Agaricus rimulincula m.
Cinnamomeus, pileo hemisphaerico umbilicato plicato rugulosotomentoso, lamellis adlatis sublatissimis crassis distantibus albidocrenulatis, stipite subexcentrico brevi incurvo basi subincrassato, sporis ovoideis cinnamomeis.
In rimulis corticis Pyri communis pr. Driesen. Lasch.

Fig. 92

Odontia pruni Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1514, 1851 [and Bot. Zeitung **9**: 644, 1851; Flora **34**: 565, 1851].
≡ ***Lyomyces pruni*** (Lasch) Riebesehl & Langer, Mycol. Progr. **16**: 649, 2017.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1514 (fig. 93).

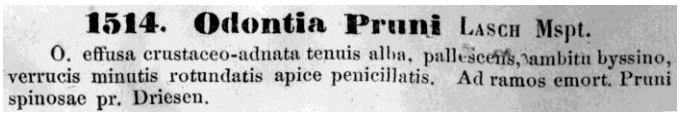

1514. Odontia Pruni Lasch Mspt.
O. effusa crustaceo-adnata tenuis alba, pallescens, ambitu byssino, verrucis minutis rotundatis apice penicillatis. Ad ramos emort. Pruni spinosae pr. Driesen.

Fig. 93

Clavaria alutacea Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1519, 1851 [and Bot. Zeitung **9**: 645, 1851; Flora **34**: 566, 1851].
= *Clavaria palmata* Pers., non Scop. 1772 (according to Saccardo 1888: 704).
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1519 (fig. 94).

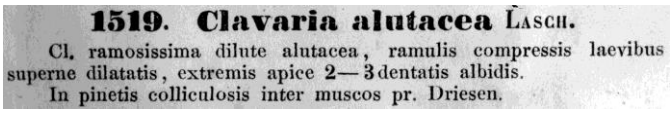

1519. Clavaria alutacea Lasch.
Cl. ramosissima dilute alutacea, ramulis compressis laevibus superne dilatatis, extremis apice 2—3dentatis albidis.
In pinetis colliculosis inter muscos pr. Driesen.

Fig. 94

Peziza laetissima Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1527, 1851 [and Bot. Zeitung **9**: 645, 1851; Flora **34**: 566, 1851], nom. nud.

Peziza puberula Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1529, 1851 [and Bot. Zeitung **9**: 645, 1851; Flora **34**: 566, 1851].
= ***Calycellina punctata*** (Fr.) Lowen & Dumont, Mycologia **76**: 1006, 1984.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1529 (fig. 95).

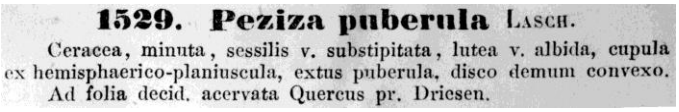

1529. Peziza puberula Lasch.
Ceracea, minuta, sessilis v. substipitata, lutea v. albida, cupula ex hemisphaerico-planiuscula, extus puberula, disco demum convexo.
Ad folia decid. acervata Quercus pr. Driesen.

Fig. 95

Peziza mundula Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1530, 1851 [and Bot. Zeitung **9**: 645, 1851; Flora **34**: 566, 1851].

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≡ *Helotium mundulum* (Lasch) Rehm, Rabenh. Krypt.-Fl., Edn 2 (Leipzig) **1.3**(Lief. 55): 1236, 1896.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1530 (fig. 96).

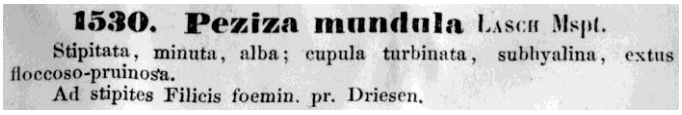

1530. Peziza mundula Lasch Mspt.
Stipitata, minuta, alba; cupula turbinata, subhyalina, extus floccoso-pruinosa.
Ad stipites Filicis foemin. pr. Driesen.

Fig. 96

Peziza caricicola Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1531, 1851 [and Bot. Zeitung **9**: 645, 1851; Flora **34**: 566, 1851].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1531 (fig. 97).

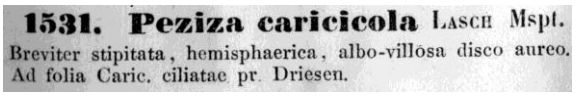

1531. Peziza caricicola Lasch Mspt.
Breviter stipitata, hemisphaerica, albo-villosa disco aureo.
Ad folia Caric. ciliatae pr. Driesen.

Fig. 97

Peziza sclerotiacea Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1532, 1851 [and Bot. Zeitung **9**: 645, 1851; Flora **34**: 566, 1851].
≡ *Sclerotinia sclerotiacea* (Ces.) Rehm, in Saccardo, Syll. Fung. **18**: 44, 1906.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1532 (fig. 98).

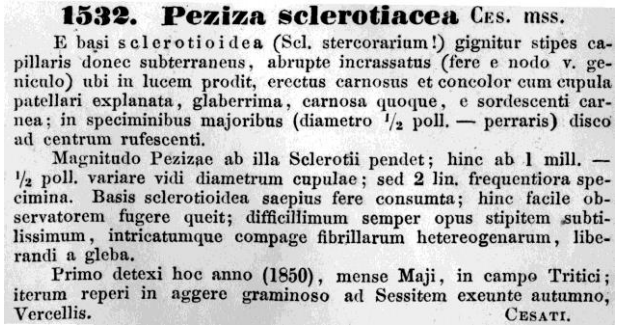

1532. Peziza sclerotiacea Ces. mss.
E basi sclerotioidea (Scl. stercorarium!) gignitur stipes capillaris donec subterraneus, abrupte incrassatus (fere e nodo v. geniculo) ubi in lucem prodit, erectus carnosus et concolor cum cupula patellari explanata, glaberrima, carnosa quoque, e sordescenti carnea; in speciminibus majoribus (diametro 1/2 poll. — perraris) disco ad centrum rufescenti.
Magnitudo Peziae ab illa Sclerotii pendet; hinc ab 1 mill. — 1/2 poll. variare vidi diametrum cupulae; sed 2 lin. frequentiora specimina. Basis sclerotioidea saepius fere consumta; hinc facile observatorem fugere queit; difficillimum semper opus stipitem subtilissimum, intricatumque compage fibrillarum hetereogenarum, liberandi a gleba.
Primo detexi hoc anno (1850), mense Maji, in campo Tritici; iterum reperi in aggere graminoso ad Sessitem exeunte autumno, Vercellis. Cesati.

Fig. 98

Hypocrea pusilla Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1533, 1851 [and Bot. Zeitung **9**: 645, 1851; Flora **34**: 567, 1851].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1533 (fig. 99).

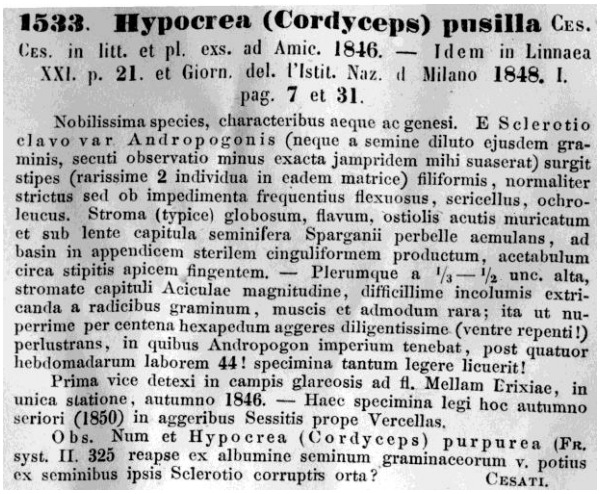
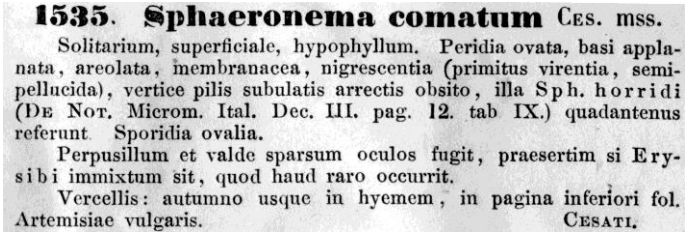

1533. Hypocrea (Cordyceps) pusilla Ces.
Ces. in litt. et pl. exs. ad Amic. 1846. — Idem in Linnaea XXI. p. 21. et Giorn. del. l'Istit. Naz. d Milano 1848. I. pag. 7 et 31.
Nobilissima species, characteribus aeque ac genesi. E Sclerotio clavo var Andropogonis (neque a semine diluto ejusdem graminis, secuti observatio minus exacta jampridem mihi suaserat) surgit stipes (rarissime 2 individua in eadem matrice) filiformis, normaliter strictus sed ob impedimenta frequentius flexuosus, sericellus, ochroleucus. Stroma (typice) globosum, flavum, ostiolis acutis muricatum et sub lente capitula seminifera Sparganii perbelle aemulans, ad basin in appendicem sterilem cinguliformem productum, acetabulum circa stipitis apicem fingentem. — Plerumque a 1/3 — 1/2 unc. alta, stromate capituli Aciculae magnitudine, difficillime incolumis extricanda a radicibus graminum, muscis et admodum rara; ita ut nuperrime per centena hexapedum aggeres diligentissime (ventre repenti!) perlustrans, in quibus Andropogon imperium tenebat, post quatuor hebdomadarum laborem 44! specimina tantum legere licuerit!
Prima vice detexi in campis glareosis ad fl. Mellam Erixiae, in unica statione, autumno 1846. — Haec specimina legi hoc autumno seriori (1850) in aggeribus Sessitis prope Vercellas.
Obs. Num et Hypocrea (Cordyceps) purpurea (Fr. syst. II. 325 reapse ex albumine seminum graminaceorum v. potius ex seminibus ipsis Sclerotio corruptis orta? Cesati.

Fig. 99

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Sphaeronaema comatum Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1535, 1851 [and Bot. Zeitung **9**: 646, 1851; Flora **34**: 567, 1851].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1535 (fig. 100).



1535. Sphaeronema comatum Ces. mss.

Solitarium, superficiale, hypophyllum. Peridia ovata, basi applanata, areolata, membranacea, nigrescentia (primitus virentia, semipellucida), vertice pilis subulatis arrectis obsito, illa Sph. horridi (De Not. Microm. Ital. Dec. III. pag. 12. tab IX.) quadantenus referunt. Sporidia ovalia.

Perpusillum et valde sparsum oculos fugit, praesertim si Erysibi immixtum sit, quod haud raro occurrit.

Vercellis: autumno usque in hyemem, in pagina inferiori fol. Artemisiae vulgaris. Cesati.

Fig. 100

Phacidium wallrothii Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1537, 1851 [and Bot. Zeitung **9**: 646, 1851; Flora **34**: 567, 1851], nom. illeg. (Art. 52.1).
= ***Leptotrochila ranunculi*** (Fr.) Schüepp, Phytopathol. Z. **36**: 251, 1959.
Notes: This species was published with a description on the label of Klotzschii Herb. Viv. Mycol. 1537 (fig. 101), but *Phlyctidium ranunculi* (Fr.) Wallr. (≡ *Dothidea ranunculi* Fr.) was cited as synony, which makes *Phacidium wallrothii* an illegitimate name (nom. superfl.).



1537. Phacidium Wallrothii mihi.

Phlyctidium Ranunculi Wallr. **420**.

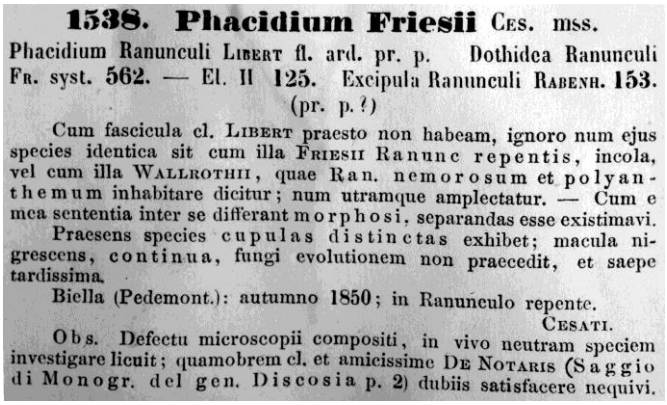
Cfr. quae de differentia hujus fungilli ab illo cl. Friesii dicuntur sub Phacidio Friesii (mihi).

Haec species cupulas cito jam confluentes exhibet, glebam tuberculosam Sphaeriae Trifolii facie, sistentes maculam ambitu radiatim ramosam (dendriticam)! — Discus pallidus.

Biella (Pedemont.) autumno 1850, ad folia Ranunc. polyanthemi. Cesati.

Fig. 101

Phacidium friesii Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1538, 1851 [and Bot. Zeitung **9**: 646, 1851; Flora **34**: 567, 1851], nom. illeg. (Art. 52.1).
= ***Leptotrochila ranunculi*** (Fr.) Schüepp, Phytopathol. Z. **36**: 251, 1959.
Notes: This species was published with a description on the label of Klotzschii Herb. Viv. Mycol. 1538 (fig. 102), but *Dothidea ranunculi* Fr. was cited as synonym, which makes *Phacidium friesii* an illegitimate name (nom. superfl.).



1538. Phacidium Friesii Ces. mss.

Phacidium Ranunculi Libert fl. ard. pr. p. Dothidea Ranunculi Fr. syst. **562**. — El. II **125**. Excipula Ranunculi Rabenh. **153**. (pr. p.?)

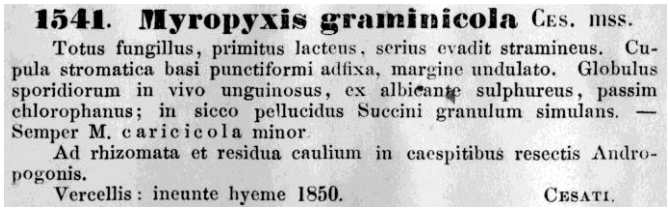
Cum fascicula cl. Libert praesto non habeam, ignoro num ejus species identica sit cum illa Friesii Ranunc repentis, incola, vel cum illa Wallrothii, quae Ran. nemorosum et polyanthemum inhabitare dicitur; num utramque amplectatur. — Cum e mea sententia inter se differant morphosi, separandas esse existimavi.

Praesens species cupulas distinctas exhibet; macula nigrescens, continua, fungi evolutionem non praecedit, et saepe tardissima.

Biella (Pedemont.): autumno 1850; in Ranunculo repente. Cesati.

Obs. Defectu microscopii compositi, in vivo neutram speciem investigare licuit; quamobrem cl. et amicissime De Notaris (Saggio di Monogr. del gen. Discosia p. 2) dubiis satisfacere nequivi.

Fig. 102



1541. Myropyxis graminicola Ces. mss.

Totus fungillus, primitus lacteus, serius evadit stramineus. Cupula stromatica basi punctiformi adfixa, margine undulato. Globulus sporidiorum in vivo unguinosus, ex albicante sulphureus, passim chlorophanus; in sicco pellucidus Succini granulum simulans. — Semper M. caricicola minor.

Ad rhizomata et residua caulium in caespitibus resectis Andropogonis.

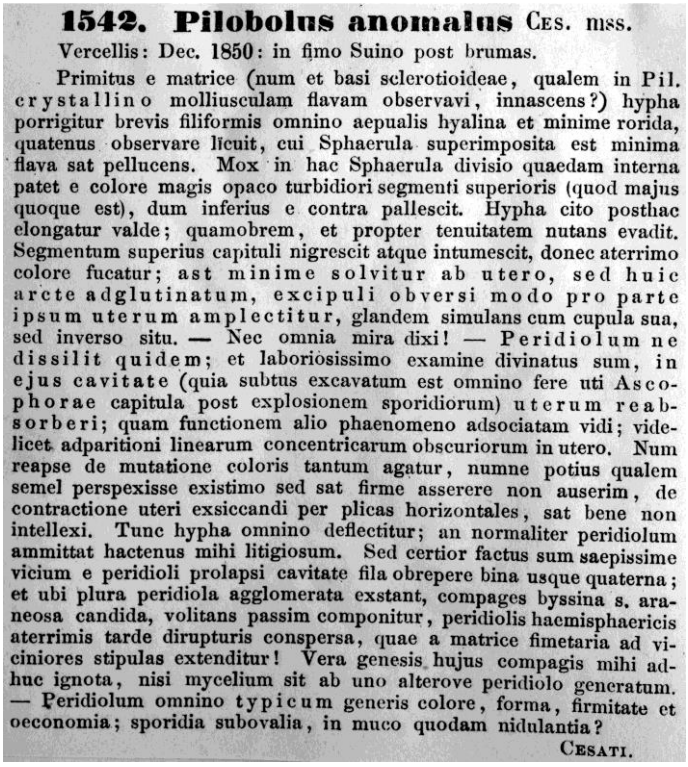
Vercellis: ineunte hyeme 1850. Cesati.

Fig. 103

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Myropyxis graminicola Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1541, 1851 [and Bot. Zeitung **9**: 646, 1851; Flora **34**: 568, 1851].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1541 (fig. 103).

Pilobolus anomalus Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1542, 1851 [and Bot. Zeitung **9**: 647, 1851; Flora **34**: 568, 1851].
≡ ***Pilaira anomala*** (Ces.) J. Schröt., in Cohn, Krypt.-Fl. Schlesien (Breslau) **3.1**(9–16): 211, ["1889"] 1886.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1542 (fig. 104).



1542. Pilobolus anomalus CES. mss.

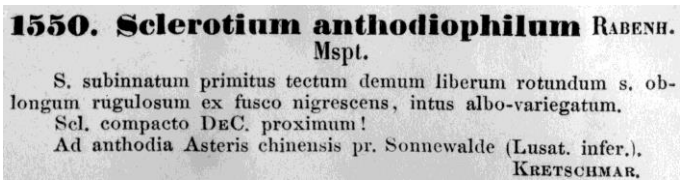
Vercellis: Dec. 1850: in fimo Suino post brumas.

Primitus e matrice (num et basi sclerotioideae, qualem in Pil. crystallino molliusculam flavam observavi, innascens?) hypha porrigitur brevis filiformis omnino aepualis hyalina et minime rorida, quatenus observare licuit, cui Sphaerula superimposita est minima flava sat pellucens. Mox in hac Sphaerula divisio quaedam interna patet e colore magis opaco turbidiori segmenti superioris (quod majus quoque est), dum inferius e contra pallescit. Hypha cito posthac elongatur valde; quamobrem, et propter tenuitatem nutans evadit. Segmentum superius capituli nigrescit atque intumescit, donec aterrimo colore fucatur; ast minime solvitur ab utero, sed huic arcte adglutinatum, excipuli obversi modo pro parte ipsum uterum amplectitur, glandem simulans cum cupula sua, sed inverso situ. — Nec omnia mira dixi! — Peridiolum ne dissilit quidem; et laboriosissimo examine divinatus sum, in ejus cavitate (quia subtus excavatum est omnino fere uti Ascophorae capitula post explosionem sporidiorum) uterum reabsorberi; quam functionem alio phaenomeno adsociatam vidi; videlicet adparitioni linearum concentricarum obscuriorum in utero. Num reapse de mutatione coloris tantum agatur, numne potius qualem semel perspexisse existimo sed sat firme asserere non auserim, de contractione uteri exsiccandi per plicas horizontales, sat bene non intellexi. Tunc hypha omnino deflectitur; an normaliter peridiolum ammittat hactenus mihi litigiosum. Sed certior factus sum saepissime vicium e peridioli prolapsi cavitate fila obrepere bina usque quaterna; et ubi plura peridiola agglomerata exstant, compages byssina s. araneosa candida, volitans passim componitur, peridiolis haemisphaericis aterrimis tarde dirupturis conspersa, quae a matrice fimetaria ad viciniores stipulas extenditur! Vera genesis hujus compagis mihi adhuc ignota, nisi mycelium sit ab uno alterove peridiolo generatum. — Peridiolum omnino typicum generis colore, forma, firmitate et oeconomia; sporidia subovalia, in muco quodam nidulantia?

CESATI.

Fig. 104

Sclerotium anthodiophilum Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1550, 1851 [and Bot. Zeitung **9**: 668, 1851; Flora **34**: 569, 1851].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1550 (fig. 105).



1550. Sclerotium anthodiophilum RABENH. Mspt.

S. subinnatum primitus tectum demum liberum rotundum s. oblongum rugulosum ex fusco nigrescens, intus albo-variegatum.
Scl. compacto DEC. proximum!
Ad anthodia Asteris chinensis pr. Sonnewalde (Lusat. infer.).

KRETSCHMAR.

Fig. 105

Sclerotium convallariae Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1552, 1851 [and Bot. Zeitung **9**: 668, 1851; Flora **34**: 569, 1851].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1552 (fig. 106). *Sclerotium convallariae* Lib. ex Roum., Revue Mycol., Toulouse **2**(1): 23, 1880, nom. illeg., is a younger homonym of Rabenhorst's name.

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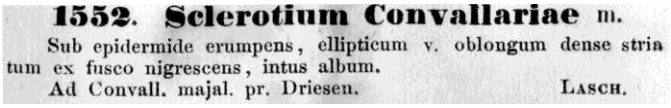

1552. Sclerotium Convallariae m.
Sub epidermide erumpens, ellipticum v. oblongum dense striatum ex fusco nigrescens, intus album.
Ad Convall. majal. pr. Driesen. LASCH.

Fig. 106

Chaetomium graminis Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1555, 1851 [and Bot. Zeitung **9**: 668, 1851; Flora **34**: 569, 1851].
Notes: This species was validly published on the label of Klotzschii Herb. Viv. Mycol. 1555 (fig. 107) with a brief diagnosis.

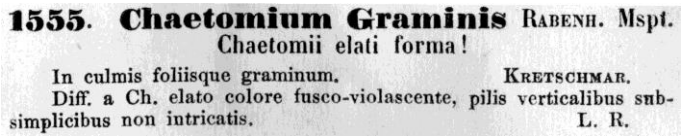

1555. Chaetomium Graminis RABENH. Mspt.
Chaetomii elati forma!
In culmis foliisque graminum. KRETSCHMAR.
Diff. a Ch. elato colore fusco-violascente, pilis verticalibus subsimplicibus non intricatis. L. R.

Fig. 107

Bombardia fasciculata (Fr.) Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1559, 1851 [and Bot. Zeitung **9**: 668, 1851; Flora **34**: 569, 1851] (fig. 108).
≡ *Sphaeria fasciculata* Fr., Summa veg. Scand., Sectio Post. (Stockholm): 389, 1849.
≡ ***Bombardia bombarda*** (Batsch) J. Schröt., in Cohn, Krypt.-Fl. Schlesien (Breslau) **3.2**(1–2): 302, ["1908"] 1893.
Notes: The combination *Bombardia fasciculate* was validly published by Rabnehorst in Klotzschii Herb. Viv. Mycol. 1559 (fig, 108).


1559. Bombardia fasciculata (FR.).
Sphaeria Bombarda BATSCH.
RABENH. Handb. I. pag. 177.
Ad truncos putredine exesos Salicesque cavas pr. Dresden.

Fig. 108

Sphaeria moricola Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1561, 1851 [and Bot. Zeitung **9**: 668, 1851; Flora **34**: 569, 1851], nom. nud.
≡ *Sphaeria moricola* Ces., Giorn. Reale Ist. Lombardo Sci. & Bibliot. Ital. **1**: 510, 1847, nom. nud.

Hysterium epimedii Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1567, 1851 [and Bot. Zeitung **9**: 668, 1851; Flora **34**: 570, 1851].
≡ *Lophodermium epimedii* (Ces.) Sacc., Michelia **1**(1): 56, 1877.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1567 (fig. 109).

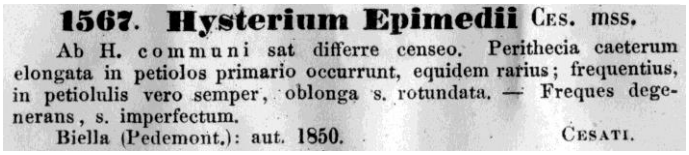
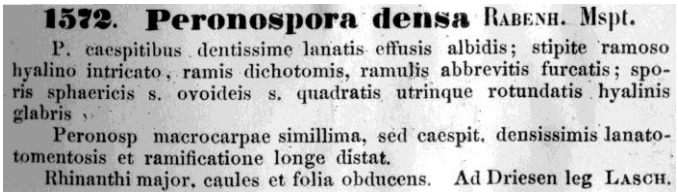

1567. Hysterium Epimedii CES. mss.
Ab H. communi sat differre censeo. Perithecia caeterum elongata in petiolos primario occurrunt, equidem rarius; frequentius, in petiolulis vero semper, oblonga s. rotundata. — Freques degenerans, s. imperfectum.
Biella (Pedemont.): aut. 1850. CESATI.

Fig. 109

Peronospora densa Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1572, 1851 [and Bot. Zeitung **9**: 668, 1851; Flora **34**: 570, 1851].
≡ ***Plasmopara densa*** (Rabenh.) J. Schröt., in Cohn, Krypt.-Fl. Schlesien (Breslau) **3.1**(9–16): 239 ["1889"] 1886.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1572 (fig. 110).

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1572. Peronospora densa RABENH. Mspt.

P. caespitibus dentissime lanatis effusis albidis; stipite ramoso hyalino intricato, ramis dichotomis, ramulis abbrevitis furcatis; sporis sphaericis s. ovoideis s. quadratis utrinque rotundatis hyalinis glabris.

Peronosp macrocarpae simillima, sed caespit. densissimis lanato-tomentosis et ramificatione longe distat.

Rhinanthi major. caules et folia obducens. Ad Driesen leg LASCH.

Fig. 110

Sporotrichum fiedleri Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1573, 1851 [and Bot. Zeitung **9**: 669, 1851; Flora **34**: 570, 1851].
= ***Nodulisporium geochroum*** (Desm.) Stalpers, in Stalpers, Stud. Mycol. **24**: 58, 1984.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1573 (fig. 111).



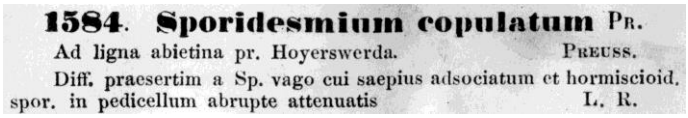
1573. Sporotrichum Fiedleri RABENH. Mspt.

Sp. effusum tenue olivaceo-nigrum, floccis flexuoso-torulosis, ramosis, umbrinis, obscure septatis, sporis rotundis, demum ovoideis, basi apiculatis (quasi substipitatis), saepius guttula oleosa; episporio crassiusculo glabro vix colorato.

Ad ligna dura, quernea praeprimis, pr. Schwerin.
FIEDLER (sub Nr. 269).

Fig. 111

Sporidesmium copulatum Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1584, 1851 [and Bot. Zeitung **9**: 669, 1851; Flora **34**: 570, 1851], later isonym (fig. 112).
≡ ***Sporidesmium copulatum*** Preuss, Linnaea **24**: 103, 1851.



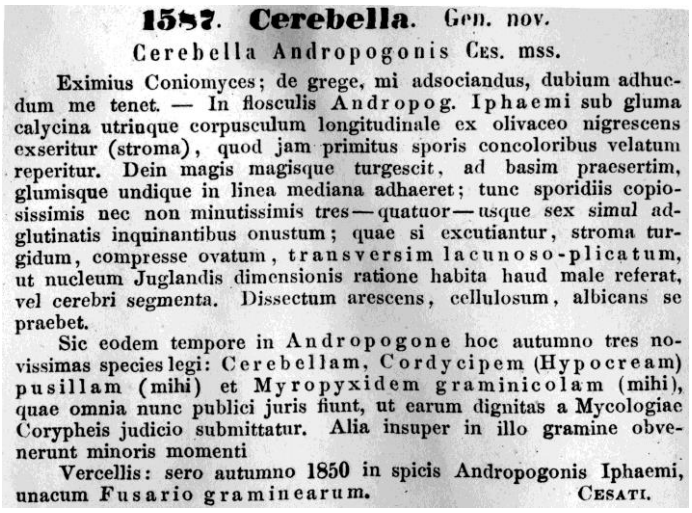
1584. Sporidesmium copulatum PR.

Ad ligna abietina pr. Hoyerswerda. PREUSS.

Diff. praesertim a Sp. vago cui saepius adsociatum et hormiscioid. spor. in pedicellum abrupte attenuatis L. R.

Fig. 112

Cerebella andropogonis Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1587, 1851 [and Bot. Zeitung **9**: 669, 1851; Flora **34**: 570, 1851].
= ***Epicoccum andropogonis*** (Ces.) Schol-Schwarz, Trans. Brit. Mycol. Soc. **42**: 171, 1959.
Notes: This species and also the genus name *Cerebella* were validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1587 (fig. 113) [Art. 38.5].



1587. Cerebella. GEN. NOV.

Cerebella Andropogonis CES. mss.

Eximius Coniomyces; de grege, mi adsociandus, dubium adhuc-dum me tenet. — In flosculis Andropog. Iphaemi sub gluma calycina utrinque corpusculum longitudinale ex olivaceo nigrescens exseritur (stroma), quod jam primitus sporis concoloribus velatum reperitur. Dein magis magisque turgescit, ad basim praesertim, glumisque undique in linea mediana adhaeret; tunc sporidiis copiosissimis nec non minutissimis tres — quatuor — usque sex simul adglutinatis inquinantibus onustum; quae si excutiantur, stroma turgidum, compresse ovatum, transversim lacunoso-plicatum, ut nucleum Juglandis dimensionis ratione habita haud male referat, vel cerebri segmenta. Dissectum arescens, cellulosum, albicans se praebet.

Sic eodem tempore in Andropogone hoc autumno tres novissimas species legi: Cerebellam, Cordycipem (Hypocream) pusillam (mihi) et Myropyxidem graminicolam (mihi), quae omnia nunc publici juris fiunt, ut earum dignitas a Mycologiae Corypheis judicio submittatur. Alia insuper in illo gramine obvenerunt minoris momenti

Vercellis: sero autumno 1850 in spicis Andropogonis Iphaemi, unacum Fusario gramineorum. CESATI.

Fig. 113

Puccinia pyrethri A. Br., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1589, 1851 [and Bot. Zeitung **9**: 669, 1851; Flora **34**: 571, 1851], nom. nud.
= *Puccinia discoidearum* var. *pyrethri* Wallr., Fl. crypt. Germ. (Norimbergae) **2**: 222, 1833.
≡ ***Puccinia pyrethri*** Rabenh. ex Jacky, Centralbl. Bakteriol., 2. Abth., **10**: 379, 1903.

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Notes: This species name was published on the label of Klotzschii Herb. Viv. Mycol. 1589 without any description. Rabenhorst added "A P. caulicola vix diversa!" (barely different from P. caulicola!) [fig. 114]. Therefore, this name was not validly published in Klotzschii Herb. Viv. Mycol. 1589. Later, Rabenhorst distributed material of this rust on *Tanacetum corymbosum* as "*Puccinia pyrethri* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1990, 1855" but he also failed to add a description. Saccardo (1888: 637) reduced *P. pyrethri* to synonymy with *P. tanaceti*, and Sydow & Sydow (1902: 123) merged this species with *Puccinia chrysanthemi-chinensis* Henn. Gäumann (1959: 1138) recognized this species and cited it as *Puccinia pyrethri* (Wallr.) Rabenh., indirectly referring to *Puccinia discoidearum* var. *pyrethri* Wallr. However, the name of this variety was not cited under *Puccinia pyrethri* in Klotzschii Herb. Viv. Mycol. 1589 and 1990, i.e., *P. pyrethri* cannot be considered a combination based on Wallroth's variety. The first validation of this name goes back to Jacky (1903: 379) who recognized *P. pyrethri*, added a description and discussed differences between *P. pyrethri* and *P. chrysanthemi-chinensis*. Jacky (1907: 87) confirmed biological differences between the two species by inoculation experiments.

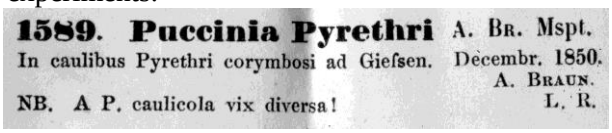

1589. Puccinia Pyrethri A. Br. Mspt.
In caulibus Pyrethri corymbosi ad Giefsen. Decembr. 1850.
A. Braun.
NB. A P. caulicola vix diversa! L. R.

Fig. 114

Uromyces puccinioides Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1596, 1851 [and Bot. Zeitung **9**: 670, 1851; Flora **34**: 571, 1851].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1596 (fig. 115).

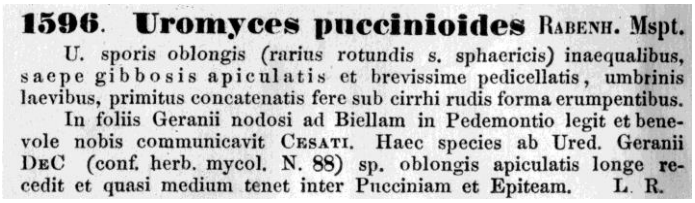

1596. Uromyces puccinioides Rabenh. Mspt.
U. sporis oblongis (rarius rotundis s. sphaericis) inaequalibus, saepe gibbosis apiculatis et brevissime pedicellatis, umbrinis laevibus, primitus concatenatis fere sub cirrhi rudis forma erumpentibus.
In foliis Geranii nodosi ad Biellam in Pedemontio legit et benevole nobis communicavit Cesati. Haec species ab Ured. Geranii DeC (conf. herb. mycol. N. 88) sp. oblongis apiculatis longe recedit et quasi medium tenet inter Pucciniam et Epiteam. L. R.

Fig. 115

Uredo lobeliarum Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1597, 1851 [and Bot. Zeitung **9**: 670, 1851; Flora **34**: 571, 1851], nom. nud.
= ***Coleosporium campanulae*** (Pers.) Tul., Ann. Sci. Nat., Bot., Sér. 4, **2**: 137, 1854.
Notes: The duplicate deposited in HAL has been examined and identified as *Coleosporium campanulae* (only uredial stage).

Cent. 17

Polyporus salebrosus Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1606, 1852 [and Bot. Zeitung **10**: 285, 1852; Flora **35**: 395, 1852], non Lloyd, 1912.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1606 (fig. 116). *Polyporus salebrosus* Lloyd, Mycol. Writ. **4**(Letter 42): 14, 1912, nom. illeg., is a younger homonym.


1606. Polyporus salebrosus Lasch Mspt.
P. suberoso-lignosus tenuis; pileis dense tuberculoso-erumpentibus, reflexis, tomentosis, ferrugineis, dein longe lateque confluentibus; poris majusculis, brevibus, angulatis, pallidioribus, margine dein subdentatis, albidis. (Polyp. noduloso Fr. epicr. p. 474. N. 200. proximus!)
Truncos fagineos infestans. Driesen 1851. Lasch.

Fig. 116

Clavaria luticola Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1609, 1852 [and Bot. Zeitung **10**: 285, 1852; Flora **34**: 395, 1852].

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≡ ***Clavulinopsis luticola*** (Lasch) Corner, Monograph of *Clavaria* and allied Genera, (Annals of Botany Memoirs No. 1): 378, 1950.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1609 (fig. 117).

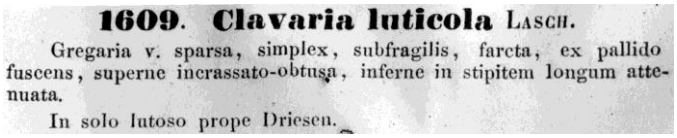

1609. Clavaria luticola Lasch.
Gregaria v. sparsa, simplex, subfragilis, farcta, ex pallido fuscens, superne incrassato-obtusa, inferne in stipitem longum attenuata.
In solo lutoso prope Driesen.

Fig. 117

Clavaria klotzschii Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: Suppl. (240), 1852 [and Bot. Zeitung **10**: 286, 1852; Flora **35**: 395, 1852].
Notes: This species was validly published with a brief description on the label of Klotzschii Herb. Viv. Mycol. Suppl. (240) (fig. 118). Saccardo (1886: 724) reduced this name to synonymy with *Clavaria juncea* (Alb. & Schwein.) Fr. (= ***Macrotyphula juncea*** (Alb. & Schwein.) Berthier).

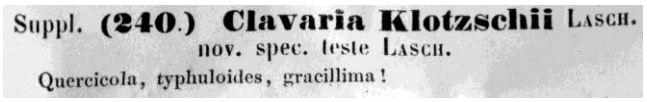

Suppl. **(240.) Clavaria Klotzschii** Lasch.
nov. spec. teste Lasch.
Quercicola, typhuloides, gracillima!

Fig. 118

Cyphella capula var. *cernua* (Schumach.) Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1612, 1852 [and Bot. Zeitung **10**: 286, 1852; Flora **35**: 395, 1852].
Notes: This combination was validly published on the label of Klotzschii Herb. Viv. Mycol. 1612 (fig. 119).

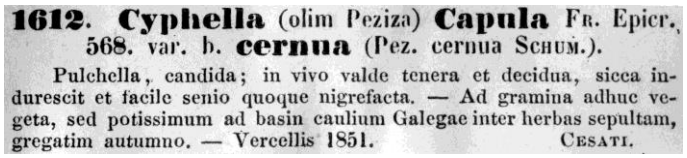

1612. Cyphella (olim Peziza) **Capula** Fr. Epicr. 568. var. b. **cernua** (Pez. cernua Schum.).
Pulchella, candida; in vivo valde tenera et decidua, sicca indurescit et facile senio quoque nigrefacta. — Ad gramina adhuc vegeta, sed potissimum ad basin caulium Galegae inter herbas sepultam, gregatim autumno. — Vercellis 1851. Cesati.

Fig. 119

Peziza galegae Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1614, 1852 [and Bot. Zeitung **10**: 286, 1852; Flora **35**: 395, 1852].
≡ ***Trichopeziza galegae*** (Ces.) Sacc., Syll. Fung. **8**: 426, 1889.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1614 (fig. 120).

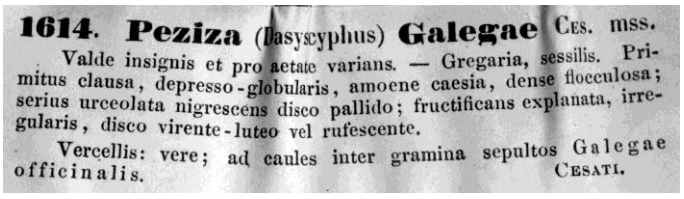

1614. Peziza (Dasyscyphus) **Galegae** Ces. mss.
Valde insignis et pro aetate varians. — Gregaria, sessilis. Primitus clausa, depresso-globularis, amoene caesia, dense flocculosa; serius urceolata nigrescens disco pallido; fructificans explanata, irregularis, disco virente-luteo vel rufescente.
Vercellis: vere; ad caules inter gramina sepultos Galegae officinalis. Cesati.

Fig. 120

Peziza lychnidis Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1616, 1852 [and Bot. Zeitung **10**: 286, 1852; Flora **35**: 395, 1852], nom. nud.

Peziza cyathoidea var. *umbellatarum* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1617 a, 1852 [and Bot. Zeitung **10**: 286, 1852; Flora **35**: 395, 1852].
Notes: This variety was validly published with a diagnosis on the label of Klotzschii Herb. Viv. Mycol. 1617 a (fig. 121).

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1617. a) **Peziza cyathoidea** v. **Umbellatarum.**

Diff. a forma typica colore pallido, cupula versus marginem albo-floccoso-pubescente, stipite aequali (non incrassato!).

In caulibus siccis Umbellatarum pr. Dresden. L. R.

Fig. 121

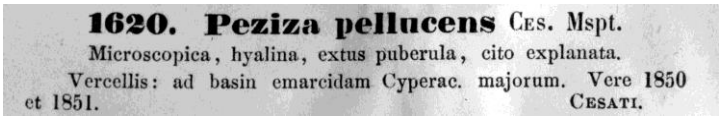
Peziza platealis Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1617 b, 1852 [and Bot. Zeitung **10**: 286, 1852; Flora **35**: 396, 1852], nom. nud.

Peziza urticae Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1618, 1852 [and Bot. Zeitung **10**: 286, 1852; Flora **35**: 396, 1852], nom. nud.

Peziza pellucens Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1620, 1852 [and Bot. Zeitung **10**: 286, 1852; Flora **35**: 396, 1852], nom. illeg. (Art. 53.1), non Schumach., 1803.

≡ ***Hyaloscypha pellucens*** Boud. [as "(Ces.) Boud."], Hist. Class. Discom. Eur. (Paris): 127, 1907.

Notes: This species was published with a description on the label of Klotzschii Herb. Viv. Mycol. 1620 (fig. 122), but this name is illegitimate (younger homonym).


1620. **Peziza pellucens** Ces. Mspt.

Microscopica, hyalina, extus puberula, cito explanata.

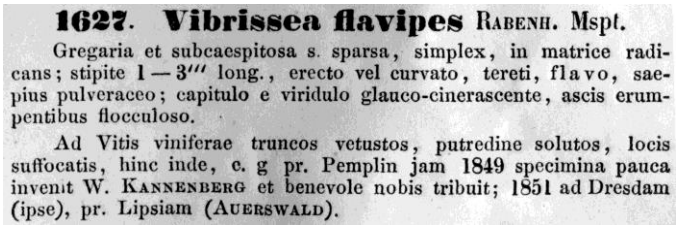
Vercellis: ad basin emarcidam Cyperac. majorum. Vere 1850 et 1851. Cesati.

Fig. 122

Vibrissea flavipes Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1627, 1852 [and Bot. Zeitung **10**: 286, 1852; Flora **35**: 396, 1852].

= ***Roesleria subterranea*** (Weinm.) Redhead, Canad. J. Bot. **62**: 2516, [1984] 1985.

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1627 (fig. 123).


1627. **Vibrissea flavipes** Rabenh. Mspt.

Gregaria et subcaespitosa s. sparsa, simplex, in matrice radicans; stipite 1—3‴ long., erecto vel curvato, tereti, flavo, saepius pulveraceo; capitulo e viridulo glauco-cinerascente, ascis erumpentibus flocculoso.

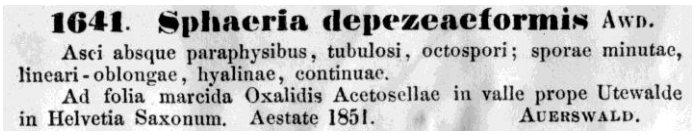
Ad Vitis viniferae truncos vetustos, putredine solutos, locis suffocatis, hinc inde, c. g pr. Pemplin jam 1849 specimina pauca invenit W. Kannenberg et benevole nobis tribuit; 1851 ad Dresdam (ipse), pr. Lipsiam (Auerswald).

Fig. 123

Sphaeria depazeiformis Auersw., in Rabenh. ["*depazeaeformis*"], Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1641, 1852 [and Bot. Zeitung **10**: 287, 1852; Flora **35**: 396, 1852].

≡ *Mycosphaerella depazeiformis* (Auersw.) Lindau, Hilfsb. Sammeln Ascomyc. (Berlin): 72, 1903.

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1641 (fig. 124).


1641. **Sphaeria depezeaeformis** Awd.

Asci absque paraphysibus, tubulosi, octospori; sporae minutae, lineari-oblongae, hyalinae, continuae.

Ad folia marcida Oxalidis Acetosellae in valle prope Utewalde in Helvetia Saxonum. Aestate 1851. Auerswald.

Fig. 124

Sphaeria pauciseta Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1642, 1852 [and Bot. Zeitung **10**: 287, 1852; Flora **35**: 396, 1852].

≡ ***Podospora pauciseta*** (Ces.) Traverso, Fl. ital. crypt., Fungi **2**(2): 431, 1907.

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Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1642 (fig. 125). This species has recently been lecto- and epitypified, and the duplicate deposited at HAL was designated as lectotype (Boucher et al. 2017).


1642. Sphaeria pauciseta Ces. mss.

Pyrenia minuta, sparsa, primitus solo vertice setis paucis fasciculatis arrectis comato conspicua, dein emersa, ostiolo tandem denudato, deciduo (?), papillaeformi. Nucleus ascigerus, ascis paraphyses superantibus; sporidia 1-seriata ovalia, simplicia.

Vercellis: in stercore suillo. Hyeme $18^{50}/_{51}$. Cesati.

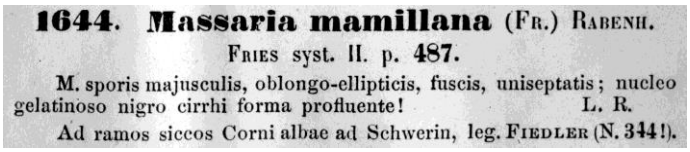
Fig. 125

Massaria mamillana (Fr. : Fr.) Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1644, 1852 [and Bot. Zeitung **10**: 287, 1852; Flora **35**: 396, 1852] (fig. 126).

≡ *Sphaeria mamillana* Fr., K. Svenska Vetensk-Akad. Handl., Ser. 3, **40**: 103, 1819 [: Fr., Syst. mycol. **2**(2): 487, 1823].

≡ ***Clypeosphaeria mamillana*** (Fr. : Fr.) Lambotte, Fl. mycol. Belg. (Verviers) **2**: 247, 1880.

Notes: The combination *Massaria mamillana* was validly published in Klotzschii Herb. Viv. Mycol. 1644 (fig. 126).


1644. Massaria mamillana (Fr.) Rabenh.

Fries syst. II. p. 487.

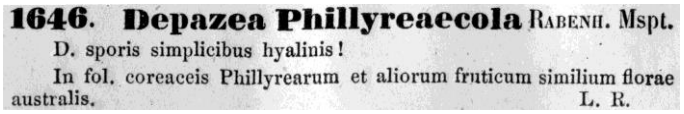
M. sporis majusculis, oblongo-ellipticis, fuscis, uniseptatis; nucleo gelatinoso nigro cirrhi forma profluente! L. R.

Ad ramos siccos Corni albae ad Schwerin, leg. Fiedler (N. 344!).

Fig. 126

Depazea phillyreicola Rabenh. ["*phillyreaecola*"], Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1646, 1852 [and Bot. Zeitung **10**: 287, 1852; Flora **35**: 397, 1852].

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1646 (fig. 127).


1646. Depazea Phillyreaecola Rabenh. Mspt.

D. sporis simplicibus hyalinis!

In fol. coreaceis Phillyrearum et aliorum fruticum similium florae australis. L. R.

Fig. 127

Depazea clematidis Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1647, 1852 [and Bot. Zeitung **10**: 287, 1852; Flora **35**: 397, 1852], nom. nud.

Depazea adoxicola Lasch [as "*adoxaecola*"], in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1648, 1852 [and Bot. Zeitung **10**: 287, 1852; Flora **35**: 397, 1852], nom. nud. (Art. 38.1).

≡ *Asteromella adoxicola* Lasch ex Ruszk.-Mich. [as "(Lasch) Ruszk.-Mich."], Monogr. Bot. **106**: 32, 2016, nom. inval. (Art. 41.1, 5; 52.1).

= ***Asteromella adoxae*** (Seaver) Ruszk.-Mich. **comb. nov.**
MycoBank, MB824951.

≡ (basionym) *Phyllosticta adoxae* Seaver, N. Amer. Fl. (New York), **6**(1): 65, 1922.

Notes: *Depazea adoxicola* was published without any description or diagnosis (nom. nud.) Saccardo (1884: 63) and Bommer & Rousseau (1887: 211) listed Lasch's name, but they failed to validate this name by adding a description or diagnosis. Other validations have not been traced. The combination *Asteromella adoxicola*, published by Ruszkiewich-Michalska (2016), is invalid since published without basionym (the cited "basionym" is a nom. nud., Art. 41.1, 5). In the event that another validation would emerge, the combination *A. adoxicola* would remain invalid according to Art. 41.5, requiring the citation of a (valid) basionym for combinations and replacement names published on or after 1 January 2007. A validation as *Asteromella adoxicola* in Ruszkiewich-Michalska (2016) by adding an English descriptions is also not valid since the circumscription (protologue) includes the type of *Phyllosticta adoxae* Seaver, 1922, the epithet of which ought to have been adopted (Art. 52.1).

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Depazea aquilegiae Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1651, 1852 [and Bot. Zeitung **10**: 287, 1852; Flora **35**: 397, 1852], nom. nud.

≡ *Ascochyta aquilegiae* Höhn. [as "(Rabenh.) Höhn."], Ann. Mycol. **3**: 406, 1905, nom. illeg. (Art. 53.1), non *A. aquilegiae* (Roum. & Pat.) Sacc., 1884.

≡ *Stagonosporopsis aquilegiae* (Rabenh.) Boerema, Gruyter & Noordel., Persoonia **16**: 354, 1997, nom. inval. (Art. 41.5).

= *Phyllosticta aquilegiicola* Brunaud, Act. Soc. Linn. Bordeaux **54**: 244, 1890.

= *Sclerophoma aconiticola* Petr., Hedwigia **65**: 308, 1925.

= ***Phoma aquilegiicola*** Petrov, Trudy Bot. Inst. Akad. Nauk S.S.S.R., Ser. 2, Sporov. Rast. **1**: 281, 1933.

=*Diplodina delphinii* Laskaris, Phytopathology **40**: 620, 1950, non *Ascochyta delphinii* Melnik, 1968.

≡ *Ascochyta laskarisii* Melnik, Novosti Sist. Nizsh. Rast. 1971: 211, 1971.

= *Diplodina delphinii* Golovin, Trudy Sredne-Aziattsk. Gosud. Univ. Lenina **14**(5): 34, 1950, nom. illeg. (Art. 53.1).

= *Phoma aconiticola* Nagai, Shishoda & Tsuyama, J. Fac. Agric. Iwate Univ. **10**: 23, 1970.

Notes: The nomenclature and taxonomy of *Depazea aquilegiae* is intricate and confusing. The combination *Stagonosporopsis aquilegiae* was introduced by Boerema et al. (1997) for a "synanamorph" of a commen *Phoma* on *Aquilegia* and *Delphinium*. They clarified the complicated nomenclature and taxonomy of the species involved and re-introduced the name *Phoma aquilegiicola* for this taxon. The name *Stagonosporopsis aquilegiae* is, however, invalid since based on a nom. nud., although Art. 41.5 requires the citation of a valid basionym. I have examined the duplicate of 'Klotzschii Herb. Viv. Mycol. 1651' preserved at HAL but failed to trace any fructification corresponding to later interpretations of this name. However, Boerema et al. (1997) examined syntype material from B and confirmed that this name pertains to the "synanamorph" of *Phoma aquilegiicola*. Saccardo (1884: 63) cited the name *Depazea aquilegiae*, but did not add any description or diagnosis. Höhnel (1905: 406) introduced the combination "*Ascochyta aquilegiae* (Rabenh.) Höhn." and added a description, but since this name was based on a nom. nud., it must be attributed to von Höhnel as new species, which is, however, illegitimate (younger homonym of *Ascochyta aquilegiae* (Roum. & Pat.) Sacc. (Saccardo 1884: 396). Mel'nik (1977) used the name "*Ascochyta aquilegiae* (Rabenh.) Höhn." for the stagonosporopsis-like morph of the present species, characterised by having hyaline, 1-septate conidia, 10–20 × (3–)4–6 µm and excluded *Ascochyta aquilegiae* (Roum. & Pat.) Sacc. from *Ascochyta*. He had examined type material of the latter species deposited at LEP and classified it as member of "*Sphaeropsidales, Phaeodidymae*" (conidia, pigmented, 1-septate).

The description and cultures incorrectly cited in van der Aa & Vanev (2002: 77) as "*Phyllosticta aquilegiae* (Rabenh.) Roum. & Pat." and recognised as "*Ascochyta aquilegiae* (Rabenh.) Höhn." refer to the stagonosporopsis-like morph of *Phoma aquilegiicola*.

Lind (1913) introduced the "new combination" *Marssonina aquilegiae* (Rabenh.) Lind" which was based on a nom. nud., but published with a description. Therefore, this name can be attributed to Lind as new species. Lind (l.c.) cited several synonyms, including *Ascochyta aquilegiae* (Roum. & Pat.) Sacc. (≡ *Phyllosticta aquilegiae* Roum. & Pat.), i.e., Lind's name was illegitimate (nom. superfl.) when introduced and, when automatically typified according to Art. 7.5, would be a homotypic synonymy of the later name.

Boerema et al. (1997) cited *Phyllosticta aquilegiae* Roum. & Pat. as synonym of "*Stagonosporopsis aquilegiae*" although type material was not cited and undoubtedly not examine. However, Mel'nik (1977) examined type material of this species and found brown, didymosporous conidia, which agrees with the original description of this species. This species has often been confused with the ascochyta-like coelomycete on *Aquilegiae* belonging in the life cycle of *Phoma aquilegiicola*, which differs in having consistently hyaline conidia. Identity and generic affinity of *Phyllosticta aquilegiae* are unclear. This species needs to be re-examined, reassessed and compared with *Pseudodiplodia* and morphologically similar genera with pigmented 1-septate conidia formed in pycnidia:

Phyllosticta aquilegiae Roum. & Pat., Rev. Mycol. (Toulouse) **5**(17): 28, 1883.

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≡ *Ascochyta aquilegiae* (Roum. & Pat.) Sacc., Syll. Fung. **3**: 396, 1884.
≡ *Ascochytella aquilegiae* (Roum. & Pat.) Tassi, Bull. Lab. Orto Bot. Reale Univ. Siena **5**: 27, 1902.
≡ *Actinonema aquilegiae* (Roum. & Pat.) Grove, J. Bot., Lond. **56**: 343, 1918.
≡ *Marssonina aquilegiae* (Roum. & Pat.) Lind [as "(Rabenh.) Lind"], Danish Fungi: 485, 1913.

Ascochyta geranii Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1655, 1852 [and Bot. Zeitung **10**: 287, 1852; Flora **35**: 397, 1852], nom. nud.

Ascochyta epilobii Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1656, 1852 [and Bot. Zeitung **10**: 287, 1852; Flora **35**: 397, 1852], nom. nud.
Notes: Mel'nik (1977) examined syntype material deposited at LEP and identified it as *Ramularia karakulinii* N.P. Golovina, nom. illeg. (= *Phaeoramularia punctiformis* (Schltdl.) U. Braun, see Braun 1998: 385–386). This is a cercosporoid species, belonging to the morphological *Passalora* complex, with unclear generic affinity in the light of the current generic concept and the recently proposed splitting of *Passalora* s. lat. (Videira et al. 2017).

Sporocadus ruscicola Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1657, 1852 [and Bot. Zeitung **10**: 287, 1852; Flora **35**: 397, 1852].
= *Hendersonia ruscicola* (Rabenh.) Sacc., Syll. Fung. **3**: 436, 1884.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1657 (fig. 128).

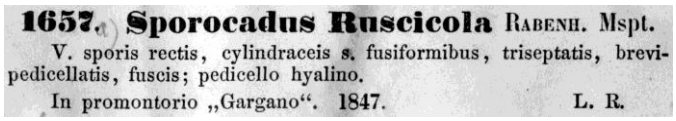

1657. **Sporocadus Ruscicola** Rabenh. Mspt.
V. sporis rectis, cylindraceis s. fusiformibus, triseptatis, brevi-pedicellatis, fuscis; pedicello hyalino.
In promontorio „Gargano". 1847. L. R.

Fig. 128

Sphaeronaema uredineorum Fiedl., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1659, 1852 [and Bot. Zeitung **10**: 287, 1852; Flora **35**: 397, 1852].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1659 (fig. 129).

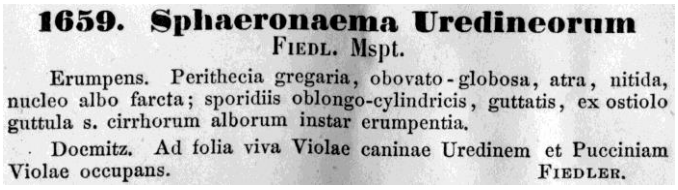

1659. **Sphaeronaema Uredineorum** Fiedl. Mspt.
Erumpens. Perithecia gregaria, obovato-globosa, atra, nitida, nucleo albo farcta; sporidiis oblongo-cylindricis, guttatis, ex ostiolo guttula s. cirrhorum alborum instar erumpentia.
Doemitz. Ad folia viva Violae caninae Uredinem et Pucciniam Violae occupans. Fiedler.

Fig. 129

Trullula oreoselini Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1660, 1852 [and Bot. Zeitung **10**: 287, 1852; Flora **35**: 397, 1852].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1660 (fig. 130).

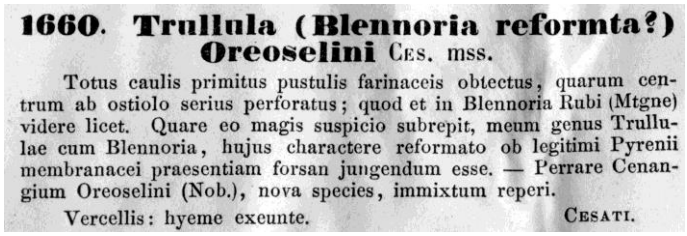

1660. **Trullula (Blennoria reformta?) Oreoselini** Ces. mss.
Totus caulis primitus pustulis farinaceis obtectus, quarum centrum ab ostiolo serius perforatus; quod et in Blennoria Rubi (Mtgne) videre licet. Quare eo magis suspicio subrepit, meum genus Trullulae cum Blennoria, hujus charactere reformato ob legitimi Pyrenii membranacei praesentiam forsan jungendum esse. — Perrare Cenangium Oreoselini (Nob.), nova species, immixtum reperi.
Vercellis: hyeme exeunte. Cesati.

Fig. 130

Trullula leguminum Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1661, 1852 [and Bot. Zeitung **10**: 287, 1852; Flora **35**: 397, 1852].

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Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1661 with a brief description (fig. 131).

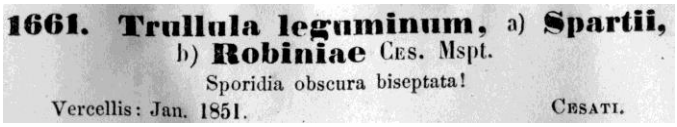

1661. Trullula leguminum, a) Spartii,
b) Robiniae Ces. Mspt.
Sporidia obscura biseptata!
Vercellis: Jan. 1851. Cesati.

Fig. 131

Phoma agaves Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1662, 1852 [and Bot. Zeitung **10**: 288, 1852; Flora **35**: 397, 1852], nom. nud.

Pestalotia macrospora Ces. [as "*Pestalozzia*"], in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1663, 1852 [and Bot. Zeitung **10**: 288, 1852; Flora **35**: 397, 1852], nom. nud.
≡ *Pestalotia macrospora* Ces. ex Sacc., Syll. Fung. **3**: 796, 1884.
≡ ***Pestalotiopsis macrospora*** (Ces. ex Sacc.) Steyaert, Bull. Jard. Bot. État Bruxelles **14**: 344, 1949.
Notes: *Pestalotia macrospora* Ces. is a nom. nud., which was valided by Saccardo (1884) who added a description.

Nemaspora plantaginis Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1664 a, 1852 [and Bot. Zeitung **10**: 288, 1852; Flora **35**: 397, 1852], nom. nud.

Phoma occulta Ces. [as "*occultum*"], in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1664 b, 1852 [and Bot. Zeitung **10**: 288, 1852; Flora **35**: 397, 1852], nom. nud.

Polyactis sclerotiophila Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1668, 1852 [and Bot. Zeitung **10**: 288, 1852; Flora **35**: 397, 1852].
= ***Botrytis cinerea*** Pers., Syn. meth. fung. (Göttingen) **2**: 690, 1801.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1668 with a brief description (fig. 132).

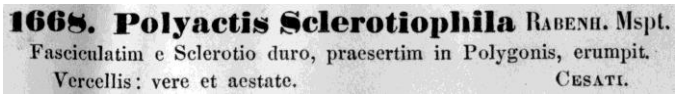

1668. Polyactis Sclerotiophila Rabenh. Mspt.
Fasciculatim e Sclerotio duro, praesertim in Polygonis, erumpit.
Vercellis: vere et aestate. Cesati.

Fig. 132

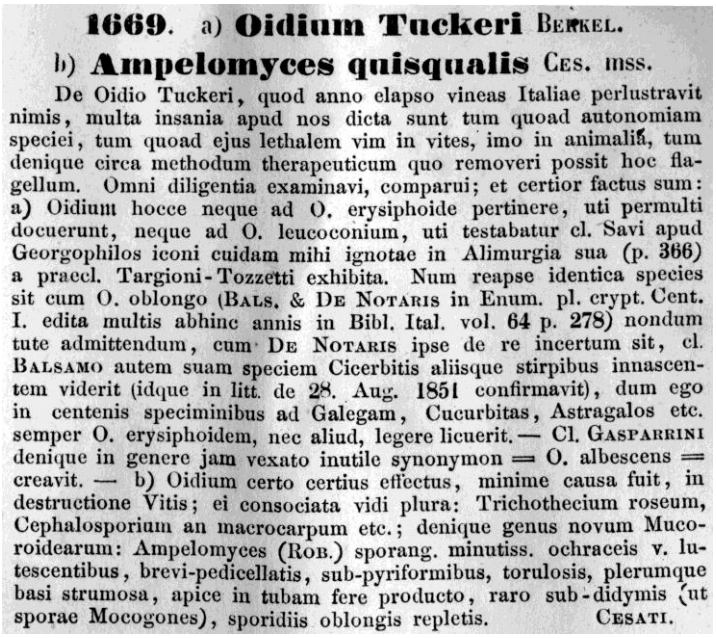
Ampelomyces quisqualis Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1669, 1852 [and Bot. Zeitung **10**: 301, 1852; Flora **35**: 397, 1852].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1669 (fig. 133).

Oidium velutinum Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1670, 1852 [and Bot. Zeitung **10**: 302, 1852; Flora **35**: 398, 1852].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1670 (fig. 134). The affinity of this species is quite unclear. It does not belong to *Erysiphales* [powdery mildews] (see Braun & Cook 2012: 642).

Oidium botryoides (Corda) Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1671, 1852 [and Bot. Zeitung **10**: 302, 1852; Flora **35**: 398, 1852].
≡ *Torula botryoides* Corda, in Sturm, Deutschl. Fl., III. Abt. Die Pilze Deutschlands, 8. Heft: 77 (+ T. 35), Nürnberg 1829, nom. rej.
= *Sphaerotheca filipendulae* Z.Y. Zhang, Acta Microbiol. Sin. **21**: 439, 1981, nom. cons.
≡ ***Podosphaera filipendulae*** (Z.Y. Zhang) T.Z. Liu & U. Braun, in Liu, The *Erysiphaceae* of Inner Mongolia: 205, Chifeng 2010.

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Notes: *Oidium botryoides* is a combination based on *Torula botryoides*, validly published on the label of Klotzschii Herb. Viv. Mycol. 1671 (fig. 135). A proposal to conserve the name *Sphaerotheca filipendulae* (≡ *Podosphaera filipendulae*) was published by Braun (2013).

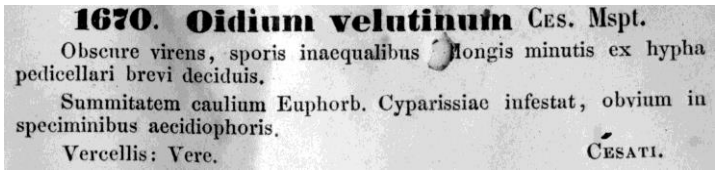


1669. a) **Oidium Tuckeri** Berkel.

b) **Ampelomyces quisqualis** Ces. mss.

De Oidio Tuckeri, quod anno elapso vineas Italiae perlustravit nimis, multa insania apud nos dicta sunt tum quoad autonomiam speciei, tum quoad ejus lethalem vim in vites, imo in animalia, tum denique circa methodum therapeuticum quo removeri possit hoc flagellum. Omni diligentia examinavi, comparui; et certior factus sum: a) Oidium hocce neque ad O. erysiphoide pertinere, uti permulti docuerunt, neque ad O. leucoconium, uti testabatur cl. Savi apud Georgophilos iconi cuidam mihi ignotae in Alimurgia sua (p. 366) a praecl. Targioni-Tozzetti exhibita. Num reapse identica species sit cum O. oblongo (Bals. & De Notaris in Enum. pl. crypt. Cent. I. edita multis abhinc annis in Bibl. Ital. vol. 64 p. 278) nondum tute admittendum, cum De Notaris ipse de re incertum sit, cl. Balsamo autem suam speciem Cicerbitis aliisque stirpibus innascentem viderit (idque in litt. de 28. Aug. 1851 confirmavit), dum ego in centenis speciminibus ad Galegam, Cucurbitas, Astragalos etc. semper O. erysiphoidem, nec aliud, legere licuerit. — Cl. Gasparrini denique in genere jam vexato inutile synonymon = O. albescens = creavit. — b) Oidium certo certius effectus, minime causa fuit, in destructione Vitis; ei consociata vidi plura: Trichothecium roseum, Cephalosporium an macrocarpum etc.; denique genus novum Mucoroidearum: Ampelomyces (Rob.) sporang. minutiss. ochraceis v. lutescentibus, brevi-pedicellatis, sub-pyriformibus, torulosis, plerumque basi strumosa, apice in tubam fere producto, raro sub-didymis (ut sporae Mocogones), sporidiis oblongis repletis. Cesati.

Fig. 133



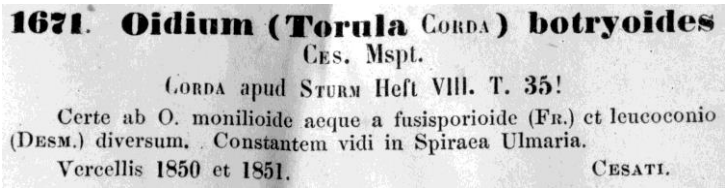
1670. Oidium velutinum Ces. Mspt.

Obscure virens, sporis inaequalibus oblongis minutis ex hypha pedicellari brevi deciduis.

Summitatem caulium Euphorb. Cyparissiae infestat, obvium in speciminibus aecidiophoris.

Vercellis: Vere. Cesati.

Fig. 134



1671. Oidium (Torula Corda**) botryoides** Ces. Mspt.

Corda apud Sturm Heft VIII. T. 35!

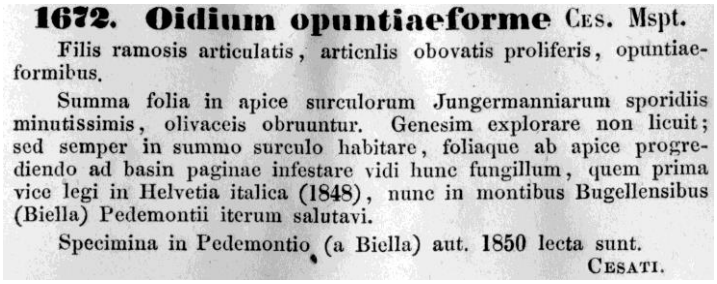
Certe ab O. monilioide aeque a fusisporioide (Fr.) et leucoconio (Desm.) diversum. Constantem vidi in Spiraea Ulmaria.

Vercellis 1850 et 1851. Cesati.

Fig. 135

Oidium opuntiiforme Ces. (as "*opuntiaeforme*"), in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1672, 1852 [and Bot. Zeitung **10**: 302, 1852; Flora **35**: 398, 1852].

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1672 (fig. 136). The affinity of this species is quite unclear. It does not belong to *Erysiphales* [powdery mildews] (see Braun & Cook 2012: 640).



1672. Oidium opuntiaeforme Ces. Mspt.

Filis ramosis articulatis, articulis obovatis proliferis, opuntiaeformibus.

Summa folia in apice surculorum Jungermanniarum sporidiis minutissimis, olivaceis obruuntur. Genesim explorare non licuit; sed semper in summo surculo habitare, foliaque ab apice progrediendo ad basin paginae infestare vidi hunc fungillum, quem prima vice legi in Helvetia italica (1848), nunc in montibus Bugellensibus (Biella) Pedemontii iterum salutavi.

Specimina in Pedemontio (a Biella) aut. 1850 lecta sunt. Cesati.

Fig. 136

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Dicladium Ces. & *Dicladium graminicola* Ces. [as "*graminicolum*"], in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1677, 1852 [and Bot. Zeitung **10**: 302, 1852; Flora **35**: 398, 1852], nom. inval. [Art. 36.1].
Steirochaete graminicola Sacc. [as "(Ces.) Sacc."], Syll. Fung. **4**: 316, 1886.
≡ ***Colletotrichum graminicola*** (Sacc.) G.W. Wilson [as "(Ces.) Sacc."], Phytopathology **4**: 110, 1914.
Notes: This species and and the genus *Dicladium* were published with a description on the label of Klotzschii Herb. Viv. Mycol. 1677 (fig. 137) [Art. 38.5], but the two names are invalid according to Art. 36.1 (published as "pro interim"). The species was later validated by Saccardo (1886) under *Steirochae* (as "(Ces.) Sacc.") by adding a description. Hence, the name *Steirochaete graminicola* was a new species when introduced that has to be attributed to Saccardo, and it is the basionym for *Colletotrichum graminicola*.

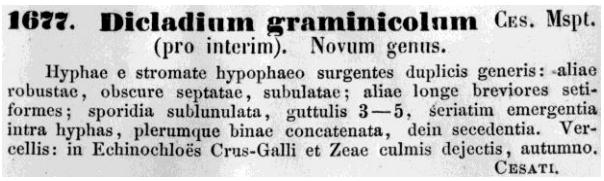

1677. Dicladium graminicolum Ces. Mspt.
(pro interim). Novum genus.
Hyphae e stromate hypophaeo surgentes duplicis generis: aliae robustae, obscure septatae, subulatae; aliae longe breviores setiformes; sporidia sublunulata, guttulis 3—5, seriatim emergentia intra hyphas, plerumque binae concatenata, dein secedentia. Vercellis: in Echinochloës Crus-Galli et Zeae culmis dejectis, autumno.
Cesati.

Fig. 137

Scolicotrichum olivaceum (Corda) Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1678, 1852 [and Bot. Zeitung **10**: 302, 1852; Flora **35**: 398, 1852].
≡ *Amphitrichum olivaceum* Corda, Icon. fung. (Prague) **1**: 16, 1837.
≡ *Cladosporium amphitrichum* Sacc., Syll. Fung. **4**: 354, 1886.
Notes: This combination was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1671 (fig. 138). Status and affinity of this species are unclear (possibly a synonym of *Cladosporium macrocarpum*, see Bensch et al. 2012:340).

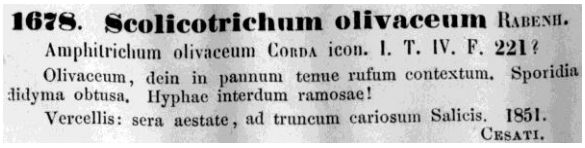

1678. Scolicotrichum olivaceum Rabenh.
Amphitrichum olivaceum Corda icon. I. T. IV. F. 221?
Olivaceum, dein in pannum tenue rufum contextum. Sporidia didyma obtusa. Hyphae interdum ramosae!
Vercellis: sera aestate, ad truncum cariosum Salicis. 1851.
Cesati.

Fig. 138

Ramularia urticae Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1680, 1852 [and Bot. Zeitung **10**: 303, 1852; Flora **35**: 398, 1852].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1680 (fig. 139). This is a recognised species of the genus *Ramularia* (Braun 1998: 273).

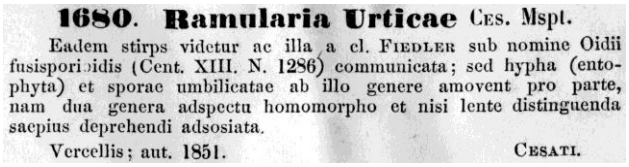

1680. Ramularia Urticae Ces. Mspt.
Eadem stirps videtur ac illa a cl. Fiedler sub nomine Oidii fusisporioidis (Cent. XIII. N. 1286) communicata; sed hypha (entophyta) et sporae umbilicatae ab illo genere amovent pro parte, nam dua genera adspectu homomorpho et nisi lente distinguenda saepius deprehendi adsosiata.
Vercellis; aut. 1851.
Cesati.

Fig. 139

Ramularia calcea Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1681, 1852 [and Bot. Zeitung **10**: 303, 1852; Flora **35**: 399, 1852].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1681 (fig. 140). This is a recognized species of the genus *Ramularia* (Braun 1998: 112).

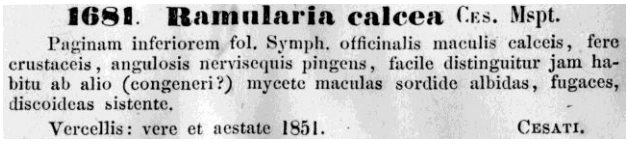
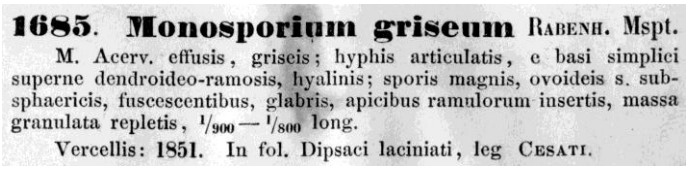

1681. Ramularia calcea Ces. Mspt.
Paginam inferiorem fol. Symph. officinalis maculis calceis, fere crustaceis, angulosis nervisequis pingens, facile distinguitur jam habitu ab alio (congeneri?) mycete maculas sordide albidas, fugaces, discoideas sistente.
Vercellis: vere et aestate 1851.
Cesati.

Fig. 140

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Monosporium griseum Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1685, 1852 [and Bot. Zeitung **10**: 303, 1852; Flora **35**: 399, 1852].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1685 (fig. 141).



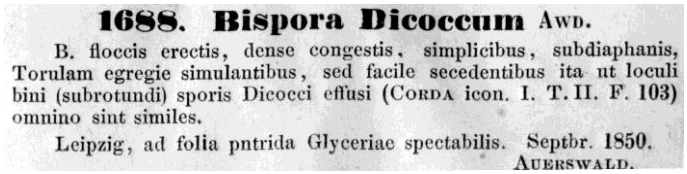
1685. Monosporium griseum Rabenh. Mspt.

M. Acerv. effusis, griseis; hyphis articulatis, e basi simplici superne dendroideo-ramosis, hyalinis; sporis magnis, ovoideis s. subsphaericis, fuscescentibus, glabris, apicibus ramulorum insertis, massa granulata repletis, 1/900 — 1/800 long.

Vercellis: 1851. In fol. Dipsaci laciniati, leg Cesati.

Fig. 141

Bispora dicoccum Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1688, 1852 [and Bot. Zeitung **10**: 303, 1852; Flora **35**: 399, 1852].
≡ ***Torula dicoccum*** (Auersw.) P. Joly, Bull. Trimestriel Soc. Mycol. France **80**: 193, 1964.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1688 (fig. 142).



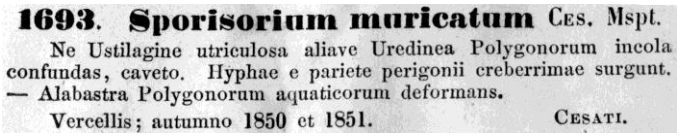
1688. Bispora Dicoccum Awd.

B. floccis erectis, dense congestis, simplicibus, subdiaphanis, Torulam egregie simulantibus, sed facile secedentibus ita ut loculi bini (subrotundi) sporis Dicocci effusi (Corda icon. I. T. II. F. 103) omnino sint similes.

Leipzig, ad folia putrida Glyceriae spectabilis. Septbr. 1850. Auerswald.

Fig. 142

Sporisorium muricatum Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1693, 1852 [and Bot. Zeitung **10**: 303, 1852; Flora **35**: 399, 1852].
≡ ***Ustilago muricata*** (Ces.) Liro, Ann. Acad. Sci. Fenn., Ser. A **17**(1): 238, 1924.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1693 (fig. 143).



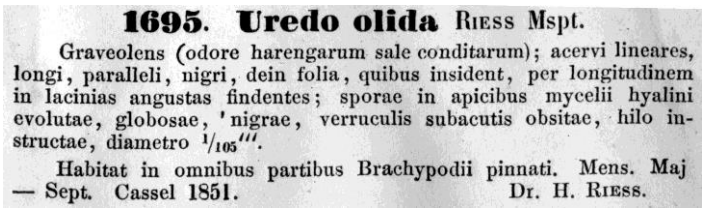
1693. Sporisorium muricatum Ces. Mspt.

Ne Ustilagine utriculosa aliave Uredinea Polygonorum incola confundas, caveto. Hyphae e pariete perigonii creberrimae surgunt. — Alabastra Polygonorum aquaticorum deformans.

Vercellis; autumno 1850 et 1851. Cesati.

Fig. 143

Uredo olida Riess, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1695, 1852 [and Bot. Zeitung **10**: 304, 1852; Flora **35**: 399, 1852].
≡ ***Tilletia olida*** (Riess) G. Winter, Rabenh. Krypt.-Fl., Edn 2 (Leipzig) **1.1**: 107, [1884] 1881.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1695 (fig. 144).



1695. Uredo olida Riess Mspt.

Graveolens (odore harengarum sale conditarum); acervi lineares, longi, paralleli, nigri, dein folia, quibus insident, per longitudinem in lacinias angustas findentes; sporae in apicibus mycelii hyalini evolutae, globosae, 'nigrae, verruculis subacutis obsitae, hilo instructae, diametro 1/105‴.

Habitat in omnibus partibus Brachypodii pinnati. Mens. Maj — Sept. Cassel 1851. Dr. H. Riess.

Fig. 144

Cent. 18

Agaricus lutincola Riess, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1707, 1853 [and Bot. Zeitung **11**: 235, 1853; Flora **36**: 200, 1853].
≡ *Pleurotus lutincola* (Lasch) Sacc., Syll. Fung. **5**: 355, 1887.
≡ *Dendrosarcus lutincola* (Lasch) Kuntze, Rev. Gen. Pl. **3**(2): 464, 1898.

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≡ *Armillaria lutincola* (Lasch) Sacc., Syll. Fung. **21**: 864, 1912.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1707 (fig. 145).

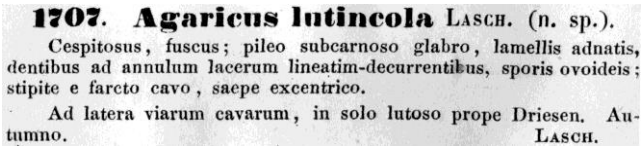

1707. Agaricus lutincola LASCH. (n. sp.).
Cespitosus, fuscus; pileo subcarnoso glabro, lamellis adnatis, dentibus ad annulum lacerum lineatim-decurrentibus, sporis ovoideis; stipite e farcto cavo, saepe excentrico.
Ad latera viarum cavarum, in solo lutoso prope Driesen. Autumno. LASCH.

Fig. 145

Agaricus cepaeoides Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1708, 1853 [and Bot. Zeitung **11**: 235, 1853; Flora **36**: 200, 1853].
≡ *Fungus cepaeoides* (Ces.) Kuntze, Rev. Gen. Pl. **3**(2): 479, 1898.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1708 (fig. 146).

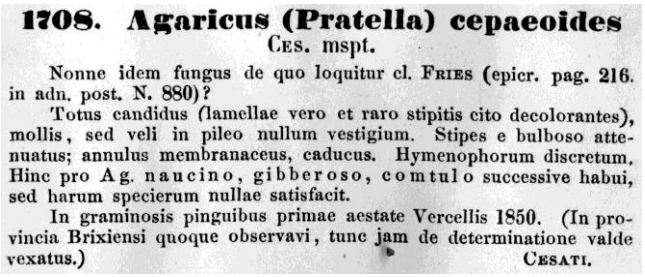

1708. Agaricus (Pratella) cepaeoides
CES. mspt.
Nonne idem fungus de quo loquitur cl. FRIES (epicr. pag. 216. in adn. post. N. 880)?
Totus candidus (lamellae vero et raro stipitis cito decolorantes), mollis, sed veli in pileo nullum vestigium. Stipes e bulboso attenuatus; annulus membranaceus, caducus. Hymenophorum discretum. Hinc pro Ag. naucino, gibberoso, comtulo successive habui, sed harum specierum nullae satisfacit.
In graminosis pinguibus primae aestate Vercellis 1850. (In provincia Brixiensi quoque observavi, tunc jam de determinatione valde vexatus.) CESATI.

Fig. 146

Polyporus aurantiacus Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1714, 1853 [and Bot. Zeitung **11**: 235, 1853; Flora **36**: 200, 1853], nom. illeg. (Art 53.1), non Rostk. 1838.
= *Polyporus salmonicolor* Berk. & M.A. Curtis, Hooker's J. Bot. Kew Gard. Misc. **1**: 104 1849.
≡ ***Erastia salmonicolor*** (Berk. & M.A. Curtis) Niemelä & Kinnunen, Karstenia **45**(2): 76, 2005.
Notes: This species was published with a description on the label of Klotzschii Herb. Viv. Mycol. 1714 (fig. 147), but this name is illegitimate (homonym).

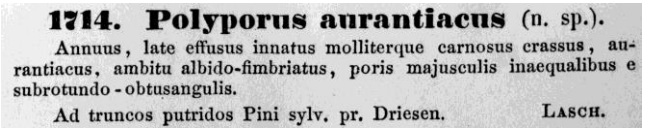

1714. Polyporus aurantiacus (n. sp.).
Annuus, late effusus innatus molliterque carnosus crassus, aurantiacus, ambitu albido-fimbriatus, poris majusculis inaequalibus e subrotundo-obtusangulis.
Ad truncos putridos Pini sylv. pr. Driesen. LASCH.

Fig. 147

Thelephora ulmi Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1716, 1853 [and Bot. Zeitung **11**: 235, 1853; Flora **36**: 200, 1853].
≡ *Corticium ulmi* (Lasch) Massee, in Saccardo, Syll. Fung. **6**: 618, 1888.
≡ *Terana ulmi* (Lasch) Kuntze, Rev. Gen. Plant. **2**: 873, 1891.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1716 (fig. 148).

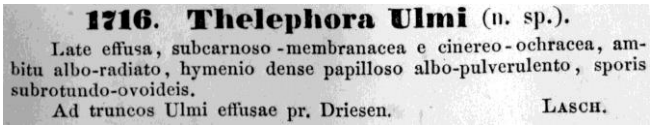

1716. Thelephora Ulmi (n. sp.).
Late effusa, subcarnoso-membranacea e cinereo-ochracea, ambitu albo-radiato, hymenio dense papilloso albo-pulverulento, sporis subrotundo-ovoideis.
Ad truncos Ulmi effusae pr. Driesen. LASCH.

Fig. 148

Thelephora lilacina Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1718, 1853 [and Bot. Zeitung **11**: 235, 1853; Flora **36**: 201, 1853], nom. illeg. (Art. 53.1), non **(**Batsch) Pers., 1801.
Notes: This species was published with a description on the label of Klotzschii Herb. Viv. Mycol. 1718 (fig. 149), but it is an illegitimate name (younger homonym).

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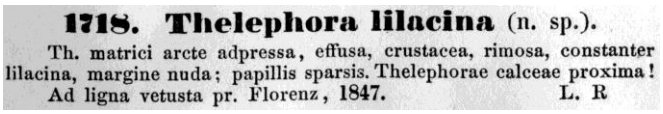

1718. Thelephora lilacina (n. sp.).
Th. matrici arcte adpressa, effusa, crustacea, rimosa, constanter lilacina, margine nuda; papillis sparsis. Thelephorae calceae proxima!
Ad ligna vetusta pr. Florenz, 1847. L. R

Fig. 149

Peziza ulmariae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1723, 1853 [and Bot. Zeitung **11**: 235, 1853; Flora **36**: 201, 1853].
≡ ***Phialina ulmariae*** (Lasch) Dennis, British Cup Fungi & their Allies: 102, 1960.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1723 (fig. 150).

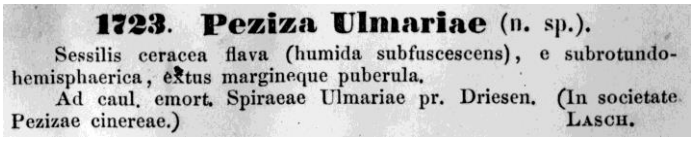

1723. Peziza Ulmariae (n. sp.).
Sessilis ceracea flava (humida subfuscescens), e subrotundo-hemisphaerica, extus margineque puberula.
Ad caul. emort. Spiraeae Ulmariae pr. Driesen. (In societate Pezizae cinereae.) Lasch.

Fig. 150

Typhula variabilis Riess, Hedwigia **1**: 21, 1853.
≡ *Typhula variabilis* Riess, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1725, 1853 [and Bot. Zeitung **11**: 235, 1853; Flora **36**: 201, 1853], later isonyms.
Notes: This species was first published in Hedwigia 1, 1853, and the description later repeated on the label of Klotzschii Herb. Viv. Mycol. 1725 (fig. 151) and in Botanische Zeitung and Flora 1853.

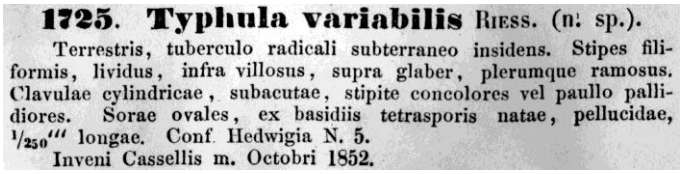
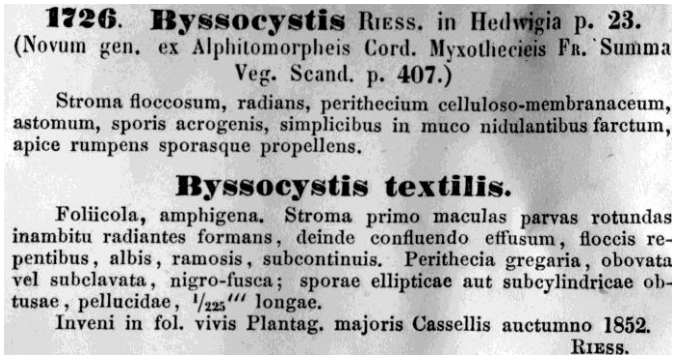

1725. Typhula variabilis Riess. (n. sp.).
Terrestris, tuberculo radicali subterraneo insidens. Stipes filiformis, lividus, infra villosus, supra glaber, plerumque ramosus. Clavulae cylindricae, subacutae, stipite concolores vel paullo pallidiores. Sorae ovales, ex basidiis tetrasporis natae, pellucidae, $^1/_{250}$‴ longae. Conf. Hedwigia N. 5.
Inveni Cassellis m. Octobri 1852.

Fig. 151

Byssocystis Riess and *Byssocystis textilis* Riess, Hedwigia **1**: 23, 1853.
≡ *Byssocystis* Riess and *Byssocystis textilis* Riess, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1726, 1853 [and Bot. Zeitung **11**: 236, 1853; Flora **36**: 201, 1853], later isonyms.
Notes: This species was first published in Hedwigia 1, 1853, and later the description was repeated on the label of Klotzschii Herb. Viv. Mycol. 1726 (fig. 152) and in Botanische Zeitung and Flora 1853.


1726. Byssocystis Riess. in Hedwigia p. 23.
(Novum gen. ex Alphitomorpheis Cord. Myxothecieis Fr. Summa Veg. Scand. p. 407.)
Stroma floccosum, radians, perithecium celluloso-membranaceum, astomum, sporis acrogenis, simplicibus in muco nidulantibus farctum, apice rumpens sporasque propellens.

Byssocystis textilis.
Foliicola, amphigena. Stroma primo maculas parvas rotundas inambitu radiantes formans, deinde confluendo effusum, floccis repentibus, albis, ramosis, subcontinuis. Perithecia gregaria, obovata vel subclavata, nigro-fusca; sporae ellipticae aut subcylindricae obtusae, pellucidae, $^1/_{225}$‴ longae.
Inveni in fol. vivis Plantag. majoris Cassellis auctumno 1852.
Riess.

Fig. 152

Phacidium congener Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1727, 1853 [and Bot. Zeitung **11**: 236, 1853; Flora **36**: 201, 1853].
≡ ***Fabraea congener*** (Ces.) Sacc. [as "*Favraea*"], Michelia **2**(7): 331, 1881.
≡ *Niptera congener* (Ces.) De Not., Comm. Soc. Crittog. Ital. **1**(fasc. 5): 375, [1863] 1864.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1727 (fig. 153).

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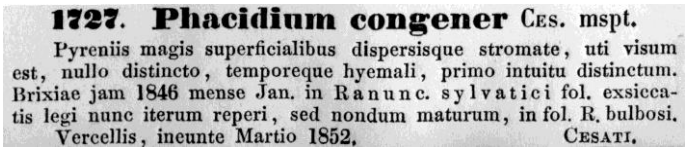

1727. **Phacidium congener** Ces. mspt.
Pyreniis magis superficialibus dispersisque stromate, uti visum est, nullo distincto, temporeque hyemali, primo intuitu distinctum. Brixiae jam 1846 mense Jan. in Ranunc. sylvatici fol. exsiccatis legi nunc iterum reperi, sed nondum maturum, in fol. R. bulbosi.
Vercellis, ineunte Martio 1852. Cesati.

Fig. 153

Phacidium saponariae Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1728, 1853 [and Bot. Zeitung **11**: 236, 1853; Flora **36**: 201, 1853].
≡ ***Diplocarpon saponariae*** (Ces.) Nannf., Svensk Bot. Tidskr. **30**: 297, 1936.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1728 (fig. 154).


1728. **Phacidium Saponariae** Ces. mspt.
Asci tubulosi sat ampli, sporae oblongae vel ellipticae, biguttatae.
Vercellis, ad caules foliaque exsiccata Saponariae officinalis, exeunte hyeme 1851—1852. Cesati.

Fig. 154

Phacidium medicaginis Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1729, 1853 [and Bot. Zeitung **11**: 236, 1853; Flora **36**: 201, 1853], nom. illeg. (Art. 53.1), non Lib., 1832.
Notes: This species was published with a description on the label of Klotzschii Herb. Viv. Mycol. 1729, but it is an illegitimate name [younger homonym] (fig. 155).

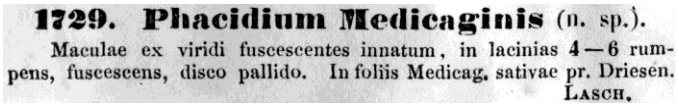

1729. **Phacidium Medicaginis** (n. sp.).
Maculae ex viridi fuscescentes innatum, in lacinias 4—6 rumpens, fuscescens, disco pallido. In foliis Medicag. sativae pr. Driesen.
Lasch.

Fig. 155

Cenangium labiatarum Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1731, 1853 [and Bot. Zeitung **11**: 236, 1853; Flora **36**: 201, 1853].
≡ ***Pyrenopeziza labiatarum*** (Ces.) Rehm, Ber. Bayer. Bot. Ges, **13**: 173, 1912.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1731 (fig. 156).

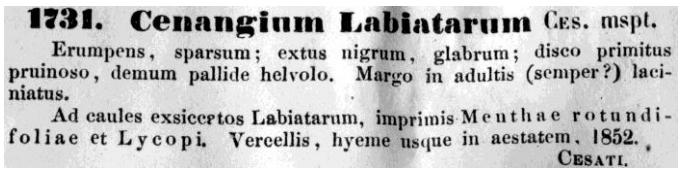

1731. **Cenangium Labiatarum** Ces. mspt.
Erumpens, sparsum; extus nigrum, glabrum; disco primitus pruinoso, demum pallide helvolo. Margo in adultis (semper?) laciniatus.
Ad caules exsiccatos Labiatarum, imprimis Menthae rotundifoliae et Lycopi. Vercellis, hyeme usque in aestatem. 1852.
Cesati.

Fig. 156

Sphaeria dianthi Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1734, 1853 [and Bot. Zeitung **11**: 236, 1853; Flora **36**: 202, 1853], nom. illeg. (Art. 53.1), non Alb. & Schwein, 1805.
Notes: This species was published on the label of Klotzschii Herb. Viv. Mycol. 1731 (fig. 157) with a description, but it is an illegitimate name [younger homonym].

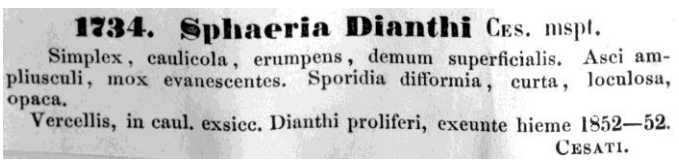

1734. **Sphaeria Dianthi** Ces. mspt.
Simplex, caulicola, erumpens, demum superficialis. Asci ampliusculi, mox evanescentes. Sporidia difformia, curta, loculosa, opaca.
Vercellis, in caul. exsicc. Dianthi proliferi, exeunte hieme 1852—52.
Cesati.

Fig. 157

Sphaeria helminthospora Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1735, 1853 [and Bot. Zeitung **11**: 236, 1853; Flora **35**: 202, 1853].

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≡ ***Leptosphaeria helminthospora*** (Ces.) Ces. & De Not., Schem. di Classif. Sferiacei: no. 8, 1863.

≡ *Pleospora helminthospora* (Ces.) Fuckel, Jahrb. Nassauischen Vereins Naturk. **23-24**: 138, [1869-1870] 1870.

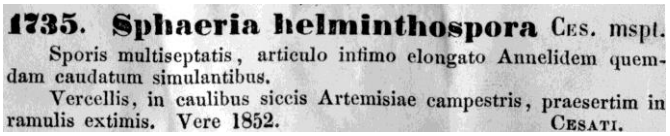
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1735 (fig. 158). This species has previously been confused with:

Sphaeria artemisiae Fuckel, Fungi Rhen. Exs., Fasc. IX: no. 896, 1864 and Hedwgia 3(11): 163, 1864, nom. illeg. (Art. 53,1), non Schwein., 1832.

≡ ***Leptosphaeria artemisiae*** Auersw. [as "(Fuckel) Auersw."], in Rabenhorst, Fungi Eur. Exs., Fasc. 18: no. 1725, 1874.

≡ *Heptameria artemisiae* (Auersw.) Cooke [as "(Fuckel) Cooke"], Grevillea **18**(86): 30, 1889.

[*Leptosphaeria artemisiae* was published in Rabenhorst, Fungi Eur. Exs., Fasc. 18: no. 1725 and not "1724" as sometimes cited.]



1735. Sphaeria helminthospora Ces. mspt.

Sporis multiseptatis, articulo infimo elongato Annelidem quemdam caudatum simulantibus.

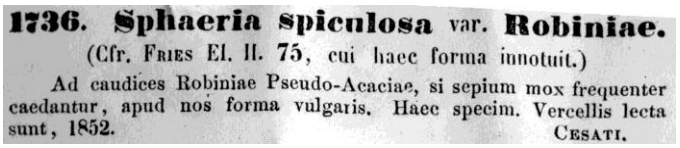
Vercellis, in caulibus siccis Artemisiae campestris, praesertim in ramulis extimis. Vere 1852. Cesati.

Fig. 158

Sphaeria spiculosa var. *robiniae* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1736, 1853 [and Bot. Zeitung **11**: 236, 1853; Flora **36**: 202, 1853].

≡ *Engizostoma robiniae* (Ces.) Kuntze, Rev. Gen. Pl. (Leipzig) **3**(2): 473, 1898.

Notes: This variety was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1736 (fig. 159).



1736. Sphaeria spiculosa var. **Robiniae.**

(Cfr. Fries El. II. 75, cui haec forma innotuit.)

Ad caudices Robiniae Pseudo-Acaciae, si sepium mox frequenter caedantur, apud nos forma vulgaris. Haec specim. Vercellis lecta sunt, 1852. Cesati.

Fig. 159

Sphaeria icterodes Riess, Hedwigia **1**: 24 and Pl. 3, Fig. 2 i, k, l, 1853.

≡ *Sphaeria icterodes* Riess, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1739, 1853 [and Bot. Zeitung **11**: 236, 1853; Flora **36**: 202, 1853], later isonyms.

≡ ***Rhamphoria icterodes*** (Riess) Sacc. & Traverso, Ann. Mycol. **9**(3): 250, 1911.

Notes: This species was first published in Hedwigia 1 with an annotated illustration, and later with a description on the label of Klotzschii Herb. Viv. Mycol. 1739 (later isonym).

Sphaeria cerastis Riess, Hedwigia **1**: 24 and Pl. 3, Fig. 2, m, n, o, 1853.

≡ *Sphaeria cerastis* Riess, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1741, 1853 [and Bot. Zeitung **11**: 237, 1853; Flora **36**: 202, 1853]], later isonyms.

≡ ***Gnomonia cerastis*** (Riess) Ces. & De Not., Comm. Soc. Crittog. Ital. **1**(4): 233, 1863.

Notes: This species was first published in Hedwigia 1 with an annotated illustration, and later with a description on the label of Klotzschii Herb. Viv. Mycol. 1741 (later isonym).

Sphaeria plantaginis Ces. and *Ascochyta plantaginis* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1742, 1853 [and Bot. Zeitung **11**: 237, 1853; Flora **36**: 202, 1853].

≡ ***Septoria plantaginis*** (Ces.) Sacc., Syll. Fung. **3**: 554, 1882.

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1742 (fig. 160). *Sphaeria plantaginis* Ces. and *Ascochyta plantaginis* were introduced as alternative names which are valid in this case (Art. 36.2).

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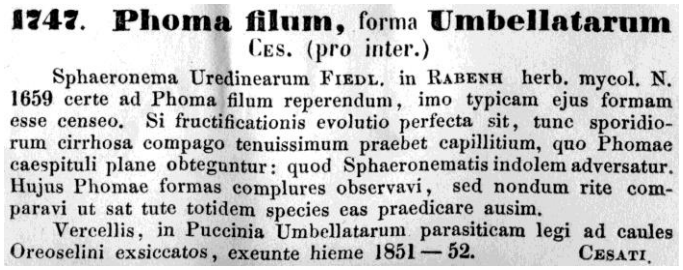
1742. a) **Sphaeria Plantaginis** } Ces. mspt.
b) **Ascochyta Plantaginis** }

In foliis Pl. lanceolatae gelu tactis simul occurrunt maculae nigrae indeterminatae e pyreniis jam nudo oculo distinguendis, emersis, globosis, illa Erysiphis lamprocarpae in eadem pl. obviae mentientia; aliaeque maculae griseae subbullatae, primitus orbiculares limitatae e minutissimis pyreniis entophleodibus constitutae unde fasciculatim erumpunt sporae (?) filiformi-clavatae hyalinae continuae (?) crustam calvam Fusidiorum more efficientes. Hae Ascochytam priores Sphaeriam nostram praebent.

Vercellis, exeunte hieme 1851 — 52. Cesati.

Fig. 160

Phoma filum f. *umbellatarum* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1747, 1853 [and Bot. Zeitung **11**: 237, 1853; Flora **36**: 203, 1853], nom. inval. (Art. 36.1).
≡ ***Sphaerellopsis filum*** (Biv.) B. Sutton, Mycol. Pap. **141**: 196, 1977.
Notes: This forma was not validly published on the label of Klotzschii Herb. Viv. Mycol. 1742 (fig. 161) since introduced as "pro inter." (see Art. 36.1).



1747. Phoma filum, forma **Umbellatarum**
Ces. (pro inter.)

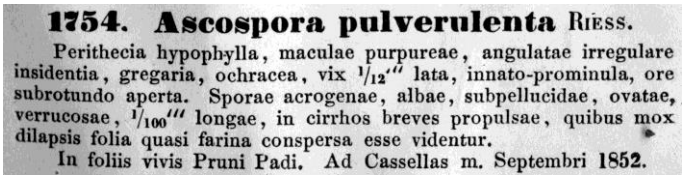
Sphaeronema Uredinearum Fiedl. in Rabenh herb. mycol. N. 1659 certe ad Phoma filum reperendum, imo typicam ejus formam esse censeo. Si fructificationis evolutio perfecta sit, tunc sporidiorum cirrhosa compago tenuissimum praebet capillitium, quo Phomae caespituli plane obteguntur: quod Sphaeronematis indolem adversatur. Hujus Phomae formas complures observavi, sed nondum rite comparavi ut sat tute totidem species eas praedicare ausim.

Vercellis, in Puccinia Umbellatarum parasiticam legi ad caules Oreoselini exsiccatos, exeunte hieme 1851 — 52. Cesati.

Fig. 161

Graphium umbellatarum Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1750, 1853 [and Bot. Zeitung **11**: 237, 1853; Flora **36**: 203, 1853], nom. nud.

Ascospora pulverulenta Riess, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1754, 1853 [and Bot. Zeitung **11**: 237, 1853; Flora **36**: 203, 1853].
= ***Pucciniastrum areolatum*** (Fr.) G.H. Otth, Mitt. Naturf. Ges. Bern **531-552**: 85, [1863] 1864.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1754 (fig. 162).



1754. Ascospora pulverulenta Riess.

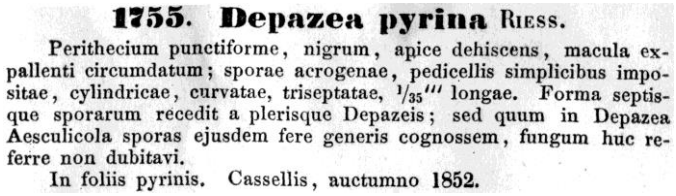
Perithecia hypophylla, maculae purpureae, angulatae irregulare insidentia, gregaria, ochracea, vix $^1/_{12}$‴ lata, innato-prominula, ore subrotundo aperta. Sporae acrogenae, albae, subpellucidae, ovatae, verrucosae, $^1/_{100}$‴ longae, in cirrhos breves propulsae, quibus mox dilapsis folia quasi farina conspersa esse videntur.

In foliis vivis Pruni Padi. Ad Cassellas m. Septembri 1852.

Fig. 162

Depazea pyrina Riess [as "*pirina*"], Hedwigia **1**: 24, and Pl. 3, Fig. 2, 1853.
≡ *Depazea pyrina* Riess [as "*pirina*"], in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1755, 1853 [and Bot. Zeitung **11**: 237, 1853; Flora **36**: 203, 1853], later isonyms.
= *Depazea pyricola* Desm., Pl. Crypt. France 721, 1834.
≡ ***Septoria pyricola*** (Desm.) Desm., Ann. Sci. Nat., Bot, Sér. 3, **14**: 114, 1850.
Notes: This species was first published in Hedwigia 1, 1853, and later with a description on the label of Klotzschii Herb. Viv. Mycol. 1755 (fig. 163). Saccardo (1884: 7) reduced *Depazea pyrina* to synonymy with *Septoria pyricola* (Desm.) Desm. This species was considered to belong in the life cycle of *Mycosphaerella pyri* (Auersw.) Boerema (Boerema 1970, Aptroot 2006), which still needs to be proven with molecular methods. The generic affinity of this species in the light of recent revisions of *Septoria* and allied genera is unclear as well (Quaedvlieg et al. 2012).

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1755. Depazea pyrina Riess.

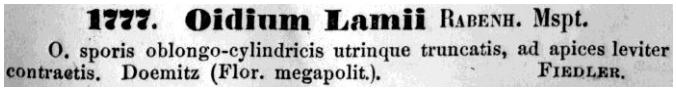
Perithecium punctiforme, nigrum, apice dehiscens, macula expallenti circumdatum; sporae acrogenae, pedicellis simplicibus impositae, cylindricae, curvatae, triseptatae, $^1/_{35}$‴ longae. Forma septisque sporarum recedit a plerisque Depazeis; sed quum in Depazea Aesculicola sporas ejusdem fere generis cognossem, fungum huc referre non dubitavi.

In foliis pyrinis. Cassellis, auctumno 1852.

Fig. 163

Fusidium punctiforme Schltdl., Bot. Zeitung **10**: 617, 1852.
Notes: This species was validly published and described in 1852 (and not in 1858, as sometimes cited). Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1774, 1853 was distributed with the name "**Fusidium punctiforme** (n. sp.)" with reference to Schlechtendal (1852), but without description.

Oidium lamii Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1777, 1853 [and Bot. Zeitung **11**: 238, 1853; Flora **36**: 204, 1853].
= ***Neoerysiphe galeopsidis*** (DC.) U. Braun, Schlechtendalia **3**: 50, 1999.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1777 (fig. 164).



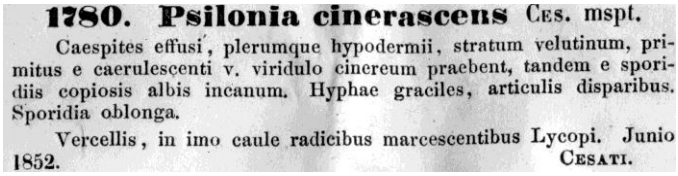
1777. Oidium Lamii Rabenh. Mspt.

O. sporis oblongo-cylindricis utrinque truncatis, ad apices leviter contractis. Doemitz (Flor. megapolit.). Fiedler.

Fig. 164

Septosporium curvatum Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1779, 1853 [and Bot. Zeitung **11**: 238, 1853; Flora **36**: 204, 1853], nom. nud.
≡ *Septosporium curvatum* Rabenh. & A. Braun, Ueber einige neue oder weniger bekannte Krankheiten der Pflanzen, welche durch Pilze erzeugt werden: 14, 1854.

Psilonia cinerascens Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1780, 1853 [and Bot. Zeitung **11**: 238, 1853; Flora **36**: 204, 1853].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1780 (fig. 165).



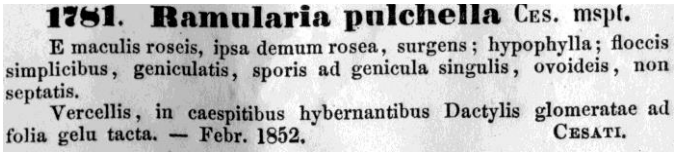
1780. Psilonia cinerascens Ces. mspt.

Caespites effusi, plerumque hypodermii, stratum velutinum, primitus e caerulescenti v. viridulo cinereum praebent, tandem e sporidiis copiosis albis incanum. Hyphae graciles, articulis disparibus. Sporidia oblonga.

Vercellis, in imo caule radicibus marcescentibus Lycopi. Junio 1852. Cesati.

Fig. 165

Ramularia pulchella Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1781, 1853 [and Bot. Zeitung **11**: 238, 1853; Flora **36**: 204, 1853].
= ***Ramularia pusilla*** Unger, Exanth. Pfl.: 169, 1833.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1781 (fig. 166). Braun (1998) reduced this species to synonymy with *R. pusilla*.



1781. Ramularia pulchella Ces. mspt.

E maculis roseis, ipsa demum rosea, surgens; hypophylla; floccis simplicibus, geniculatis, sporis ad genicula singulis, ovoideis, non septatis.

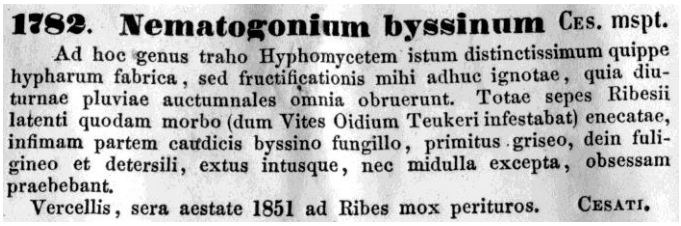
Vercellis, in caespitibus hybernantibus Dactylis glomeratae ad folia gelu tacta. — Febr. 1852. Cesati.

Fig. 166

Nematogonum byssinum Ces. [as "*Nematogonium*"], in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1782, 1853 [and Bot. Zeitung **11**: 238, 1853; Flora **36**: 204, 1853].

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Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1782 (fig. 167).



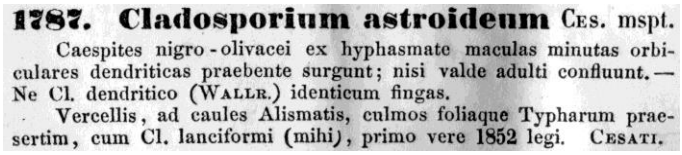
1782. Nematogonium byssinum Ces. mspt.

Ad hoc genus traho Hyphomycetem istum distinctissimum quippe hypharum fabrica, sed fructificationis mihi adhuc ignotae, quia diuturnae pluviae auctumnales omnia obruerunt. Totae sepes Ribesii latenti quodam morbo (dum Vites Oidium Teukeri infestabat) enecatae, infimam partem caudicis byssino fungillo, primitus griseo, dein fuligineo et detersili, extus intusque, nec midulla excepta, obsessam praebebant.

Vercellis, sera aestate 1851 ad Ribes mox perituros. Cesati.

Fig. 167

Cladosporium astroideum Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1787, 1853 [and Bot. Zeitung **11**: 238, 1853; Flora **36**: 204, 1853].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1782 (fig. 168). This is a recognized species of *Cladosporium* (see Bensch et al. 2012: 72).



1787. Cladosporium astroideum Ces. mspt.

Caespites nigro-olivacei ex hyphasmate maculas minutas orbiculares dendriticas praebente surgunt; nisi valde adulti confluunt. — Ne Cl. dendritico (Wallr.) identicum fingas.

Vercellis, ad caules Alismatis, culmos foliaque Typharum praesertim, cum Cl. lanciformi (mihi), primo vere 1852 legi. Cesati.

Fig. 168

Cladosporium lanciforme Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1788, 1853 [and Bot. Zeitung **11**: 239, 1853; Flora **36**: 204, 1853].
= ***Cladosporium macrocarpum*** Preuss, in Sturm, Deutsch. Fl. **3**(26): 28, 1848, nom. cons.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1788 (fig. 169). This species was reduced to synonymy with *Cladosporium macrocarpum* (see Bensch et al. 2012: 181).



1788. Cladosporium lanciforme Ces. mspt.

Caespites lanceolati, laete virides, hyphis curtis dense stipatis; sporae ovales, 1-septatae. — Num Cl. fasciculatum (Cda.)?

Vercellis, ad Typhas Cl. astroideo nostro adsociatum legi primo vere 1852. Cesati.

Fig. 169

Sclerotium clavus var. *glyceriae* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1791 a, 1853 [and Bot. Zeitung **11**: 239, 1853; Flora **36**: 205, 1853], nom. nud.

Sclerotium clavus var. *ammophilae* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1791 c, 1853 [and Bot. Zeitung **11**: 239, 1853; Flora **36**: 205, 1853], nom. nud.

Sclerotium clavus var. *baldingerae* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1791 d, 1853 [and Bot. Zeitung **11**: 239, 1853; Flora **35**: 205, 1853], nom. nud.

Sclerotium clavus var. *holci-mollis* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1791 e, 1853 [and Bot. Zeitung **11**: 239, 1853; Flora **36**: 205, 1853], nom. nud.

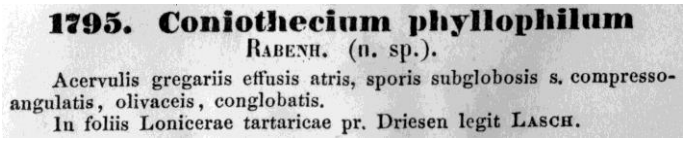
Sclerotium clavus var. *lolii* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1791 f, 1853 [and Bot. Zeitung **11**: 239, 1853; Flora **36**: 205, 1853], nom. nud.

Sclerotium clavus var. *agrostidis* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1791 g, 1853 [and Bot. Zeitung **11**: 239, 1853; Flora **36**: 205, 1853], nom. nud.

Coniothecium phyllophilum Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. 1795, 1853 [and Bot. Zeitung **11**: 239, 1853; Flora **36**: 205, 1853], nom. illeg. (Art. 53.1), non Desm., 1845.

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Notes: This species was published with a description on the label of Klotzschii Herb. Viv. Mycol. 1795 (fig. 170), but this name is illegitime (younger homonym).



1795. Coniothecium phyllophilum RABENH. (n. sp.).

Acervulis gregariis effusis atris, sporis subglobosis s. compresso-angulatis, olivaceis, conglobatis.

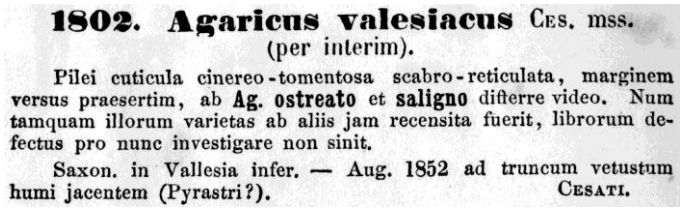
In foliis Lonicerae tartaricae pr. Driesen legit LASCH.

Fig. 170

Solenodonta flotowii Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 18: no. Suppl. (1395), 1853 [and Bot. Zeitung **11**: 239, 1853; Flora **36**: 205, 1853], nom. nud. (and nom. illeg., Art. 52.1 – *Puccinia serta* Preuss was cited as synonym).
= ***Puccinia coronata*** Corda, Icon. fung. (Prague) **1**: 6, 1837.

Cent. 19

Agaricus valesiacus Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1802, 1854 [and Bot. Zeitung **12**: 186, 1854; Flora **37**: 202, 1854], nom. inval (Art. 36.1).
≡ *Pleurotus valesiacus* Ces. ex Sacc., Syll. Fung. **5**: 357, 1887.
≡ ***Hohenbuehelia valesiaca*** (Ces. ex Sacc.) Singer, Lilloa **22**: 256, [1949] 1951.
Notes: This species was published on the label of Klotzschii Herb. Viv. Mycol. 1802 (fig. 171) with a description, but as "per interim" [nom. inval., Art. 36.1].



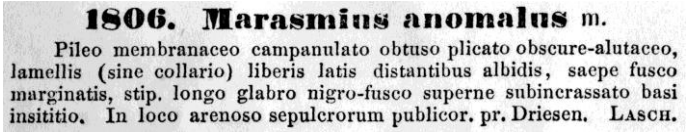
1802. Agaricus valesiacus CES. mss. (per interim).

Pilei cuticula cinereo-tomentosa scabro-reticulata, marginem versus praesertim, ab **Ag. ostreato** et **saligno** differre video. Num tamquam illorum varietas ab aliis jam recensita fuerit, librorum defectus pro nunc investigare non sinit.

Saxon. in Vallesia infer. — Aug. 1852 ad truncum vetustum humi jacentem (Pyrastri?). CESATI.

Fig. 171

Marasmius anomalus Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1806, 1854 [and Bot. Zeitung **12**: 186, 1854; Flora **37**: 203, 1854].
= *Marasmius epodius* Bres., Fung. trident. 1(6-7): 88, 1887.
= *Marasmius littoralis* Quél. & Le Bret., Bull. Soc. Amis Sci. Nat. Rouen, Sér. II, **15**: 169, [1879] 1880.
= *Marasmius caespitosus* Velen., Ceske Houby **1**: 183, 1920.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1806 (fig. 172). *M. anomalus* is the oldest valid name for the species involved.

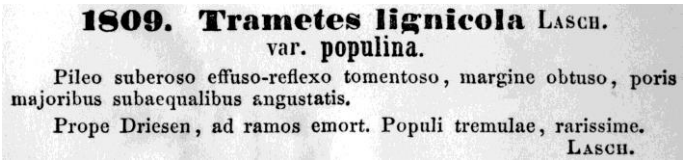


1806. Marasmius anomalus m.

Pileo membranaceo campanulato obtuso plicato obscure-alutaceo, lamellis (sine collario) liberis latis distantibus albidis, saepe fusco marginatis, stip. longo glabro nigro-fusco superne subincrassato basi insititio. In loco arenoso sepulcrorum publicor. pr. Driesen. LASCH.

Fig. 172

Trametes lignicola (var. *populina*) Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1809, 1854 [and Bot. Zeitung **12**: 186, 1854; Flora **37**: 203, 1854].
= ***Hapalopilus rutilans*** (Pers. : Fr.) Murrill, Bull. Torrey Bot. Club **31**(8): 416, 1904.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1809 (fig. 173).



1809. Trametes lignicola LASCH. var. **populina**.

Pileo suberoso effuso-reflexo tomentoso, margine obtuso, poris majoribus subaequalibus angustatis.

Prope Driesen, ad ramos emort. Populi tremulae, rarissime. LASCH.

Fig. 173

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Peziza chlorinella Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1812, 1854 [and Bot. Zeitung **12**: 186, 1854; Flora **37**: 203, 1854].
≡ ***Calycellina chlorinella*** (Ces.) Dennis, Kew Bull. **30**: 350, 1975.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1812 (fig. 174).

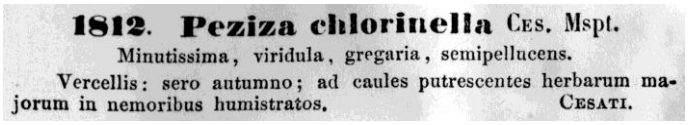

1812. Peziza chlorinella Ces. Mspt.
Minutissima, viridula, gregaria, semipellucens.
Vercellis: sero autumno; ad caules putrescentes herbarum majorum in nemoribus humistratos. Cesati.

Fig. 174

Peziza rhododendri Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1814, 1854 [and Bot. Zeitung **12**: 186, 1854; Flora **37**: 203, 1854].
≡ ***Encoeliopsis rhododendri*** (Ces.) Nannf., Nova Acta Regiae Soc. Sci. Upsal., Ser. 4, **8**(2): 306, 1932.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1814 (fig. 175).

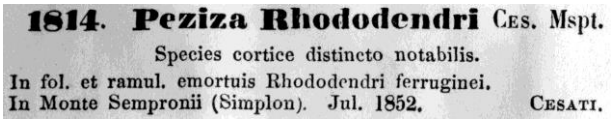

1814. Peziza Rhododendri Ces. Mspt.
Species cortice distincto notabilis.
In fol. et ramul. emortuis Rhododendri ferruginei.
In Monte Sempronii (Simplon). Jul. 1852. Cesati.

Fig. 175

Peziza luteovirens Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1815, 1854 [and Bot. Zeitung **12**: 186, 1854; Flora **37**: 203, 1854], nom. illeg. (Art. 53.1), non Fr., 1822.
Notes: This species was published on the label of Klotzschii Herb. Viv. Mycol. 1815 (fig. 176), with a description, but this name is illegitimate [younger homonym].

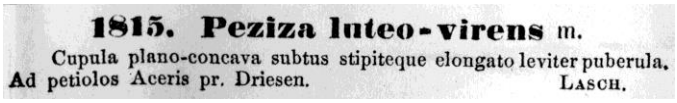

1815. Peziza luteo-virens m.
Cupula plano-concava subtus stipiteque elongato leviter puberula.
Ad petiolos Aceris pr. Driesen. Lasch.

Fig. 176

Peziza scrophulariae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1816, 1854 [and Bot. Zeitung **12**: 186, 1854; Flora **37**: 203, 1854].
≡ ***Trichopeziza scrophulariae*** (Lasch) Sacc., Syll. fung. **8**: 425, 1889.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1816 (fig. 177).

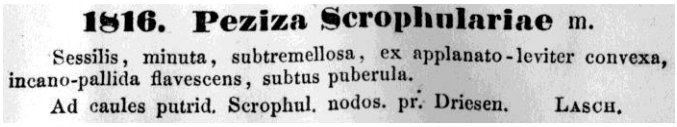

1816. Peziza Scrophulariae m.
Sessilis, minuta, subtremellosa, ex applanato-leviter convexa, incano-pallida flavescens, subtus puberula.
Ad caules putrid. Scrophul. nodos. pr. Driesen. Lasch.

Fig. 177

Tubercularia filicis Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1818, 1854 [and Bot. Zeitung **12**: 186, 1854; Flora **37**: 203, 1854].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1818 (fig. 178).

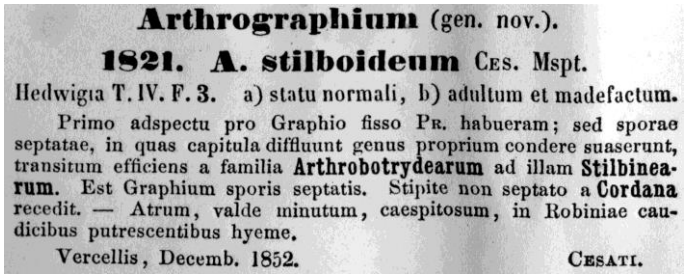

1818. Tubercularia Filicis Lasch Mspt.
Lateritia, glabra, rotundata, submarginata; stipite brevi, flavido; intus pallida; sporae oblongae.
In fronde emort. Aspidii Fil. maris pr. Driesen.

Fig. 178

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Arthrographium Lasch and *Arthrographium stilboideum* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1821, 1854 [and Bot. Zeitung **12**: 186, 1854; Flora **37**: 203, 1854], nom. illeg. (Art. 52.1).

Notes: The genus *Arthrographium* and its type species *A. stilboideum* were published with a description on the label of Klotzschii Herb. Viv. Mycol. 1821 (fig. 179). However, these names were superfluous when introduced since Cesati (l.c.) referred to "Hedwigia 1: T. IV" the place where he introduced *Arthrobotryum* and *A. stilboideum*, two names validly published according to Art. 38.10.


Arthrographium (gen. nov.).

1821. A. stilboideum Ces. Mspt.

Hedwigia T. IV. F. 3. a) statu normali, b) adultum et madefactum.

Primo adspectu pro Graphio fisso Pr. habueram; sed sporae septatae, in quas capitula diffluunt genus proprium condere suaserunt, transitum efficiens a familia **Arthrobotrydearum** ad illam **Stilbinearum**. Est Graphium sporis septatis. Stipite non septato a **Cordana** recedit. — Atrum, valde minutum, caespitosum, in Robiniae caudicibus putrescentibus hyeme.

Vercellis, Decemb. 1852. Cesati.

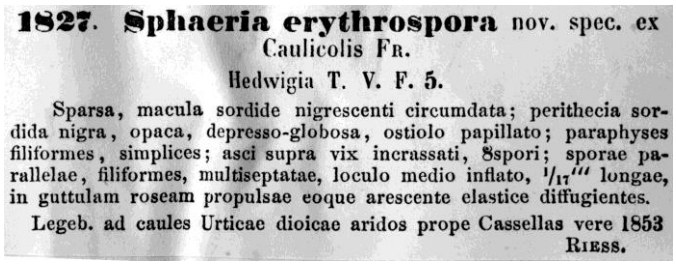
Fig. 179

Sphaeria erythrospora Riess, Hedwigia **1**: tab. V, fig. 5, 1854.

≡ *Sphaeria erythrospora* Riess, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1827, 1854 [and Bot. Zeitung **12**: 187, 1854; Flora **37**: 203, 1854], later isonyms.

≡ ***Pseudoophiobolus erythrosporus*** (Riess) Phookamsak, Wanas., & K.D. Hyde, in Phookamsak et al., Fungal Diversity **87**: 324, 2017.

Notes: *Sphaeria erythrospora* was published on the label of Klotzschii Herb. Viv. Mycol. 1827 with a description (fig. 180). However, this species was first validly published in Hedwigia 1, tab. V, according to Art. 38.7.


1827. Sphaeria erythrospora nov. spec. ex Caulicolis Fr.

Hedwigia T. V. F. 5.

Sparsa, macula sordide nigrescenti circumdata; perithecia sordida nigra, opaca, depresso-globosa, ostiolo papillato; paraphyses filiformes, simplices; asci supra vix incrassati, 8spori; sporae parallelae, filiformes, multiseptatae, loculo medio inflato, $^1/_{11}$‴ longae, in guttulam roseam propulsae eoque arescente elastice diffugientes.

Legeb. ad caules Urticae dioicae aridos prope Cassellas vere 1853 Riess.

Fig. 180

Sphaeria epicalamia Riess, Hedwigia **1**: tab. IV, fig. 6, 1854.

≡ *Sphaeria epicalamia* Riess, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1828, 1854 [and Bot. Zeitung **12**: 187, 1854; Flora **37**: 204, 1854], later isonyms.

≡ ***Phaeosphaeria epicalamia*** (Riess) L. Holm, Symb. Bot. Upsal. **14**(3): 114, 1957.

Notes: *Sphaeria epicalamia* was published on the label of Klotzschii Herb. Viv. Mycol. 1828 with a description (fig. 181). However, this species was first validly published in Hedwigia 1, tab. IV, according to Art. 38.7, 38.10.


1828. Sphaeria epicalamia nov. spec. ex Caulicolis Fr.

Hedwigia T. IV. F. 6.

Gregaria; perithecia subglobosa, nigra, ostiolo papillato; paraphyses paucae simplices, septatae; asci clavati; sporae subfusiformes, olivaceae, 5septatae, altero ex apice loculo inflato, $^1/_{75}$‴ longae.

Legeb. ad culmos aridos Luzulae albidae prope Cassellas vere 1853. Riess.

Fig. 181

Sphaeria planiuscula Riess, Hedwigia **1**: tab. IV, fig. 7, 1854.

≡ *Sphaeria planiuscula* Riess, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1829, 1854 [and Bot. Zeitung **12**: 187, 1854; Flora **37**: 204, 1854], later isonyms.

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≡ ***Leptosphaeria planiuscula*** (Riess) Ces. & De Not., Comm. Soc. Crittog. Ital. 1(fasc. 4): 236, 1863.

Notes: *Sphaeria planiuscula* was published on the label of Klotzschii Herb. Viv. Mycol. 1829 with a description (fig. 182). However, this species was first validly published in Hedwigia 1, tab. IV, according to Art. 38.7, 38.10.



1829. Sphaeria planiuscula nov. spec. ex Caulicolis Fr.

Hedwigia T. IV. F. 7.

Gregaria, subseriata; perithecia nigra, rotunda supra infraque planiuscula, ostiolo papillato; paraphyses paucae filiformes; asci clavati, satis ampli; sporae 3—4seriatae, fusiformes, subcurvatae, 5septatae, ad septum medium constrictae.

Legeb. ad caules aridos Solidaginis Virgaureae prope Cassellas vere 1853. Riess.

Fig. 182

Sphaeria fusispora Duby ex Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1832, 1854 [and Bot. Zeitung **12**: 187, 1854; Flora **37**: 204, 1854].

≡ *Ceriospora fusispora* (Duby ex Rabenh.) Sacc., Syll. Fung. **9**: 845, 1891.

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1832 (fig. 183).



1832. Sphaeria fusispora Duby ined.

(Confluentes.)

Gregaria aut elongato-seriata demum confluens primo tecto demum epidermide disrupta emergens, receptaculis nigris opacis globoso-depressis et etiam collapsis nunc solitariis nunc in series digestis et tunc difformibus, ostiolo nullo, paraphysibus nullis, thecis clavaeformibus sporas 8 fusiformes utrinque attenuatas virescentes 1-septatas 2-seriales foventibus. — Ad caules emortuos Clematidis. — Affinis S. Dulcamarae a qua caracteribus laudatis differt et etiam S. Panacis Auct. non Fries (quae Diplodia).

Fig. 183

Sphaeria juniperi Duby ex Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1833, 1854 [and Bot. Zeitung **12**: 187, 1854; Flora **37**: 204, 1854], nom. illeg. (Art. 53.1), non Fr. 1823.

≡ *Laestadia juniperi* Sacc., Syll. Fung. **9**: 585, 1891.

≡ *Herpotrichia juniperi* (Sacc.) Petr., Ann. Mycol. **23**(1-2): 43, 1925.

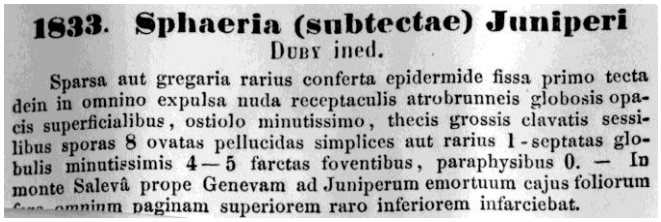
= *Sphaeria pinetorum* Fuckel, Fungi Rhen. Exs.: no. 1797, 1868.

≡ ***Herpotrichia pinetorum*** (Fuckel) G. Winter, Rabenh. Krypt.-Fl., Edn 2 (Leipzig) **1.2**: 208, 1885.

= *Lasiosphaeria scabra* Auersw., in Rabenhorst, Fungi Eur. Exs.: no. 1245, 1869.

= *Sphaeria scabra* Curr., Trans. Linn. Soc. London **22**: 315, 1859.

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1833 (fig. 184).



1833. Sphaeria (subtectae) Juniperi

Duby ined.

Sparsa aut gregaria rarius conferta epidermide fissa primo tecta dein in omnino expulsa nuda receptaculis atrobrunneis globosis opacis superficialibus, ostiolo minutissimo, thecis grossis clavatis sessilibus sporas 8 ovatas pellucidas simplices aut rarius 1-septatas globulis minutissimis 4—5 farctas foventibus, paraphysibus 0. — In monte Salevâ prope Genevam ad Juniperum emortuum cajus foliorum [illegible] omnium paginam superiorem raro inferiorem infarciebat.

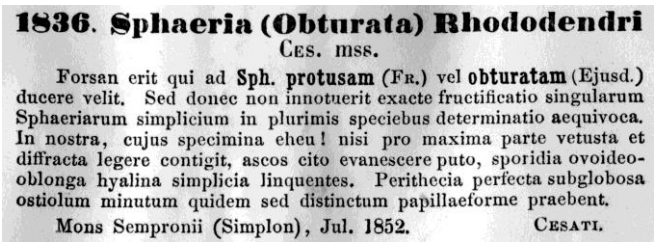
Fig. 184

Sphaeria rhododendri Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1836, 1854 [and Bot. Zeitung **12**: 188, 1854; Flora **37**: 204, 1854].

≡ *Wallrothiella rhododendri* (Ces.) Sacc., Syll. Fung. **9**: 605, 1891.

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1836 (fig. 185).

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1836. Sphaeria (Obturata) Rhododendri
CES. mss.

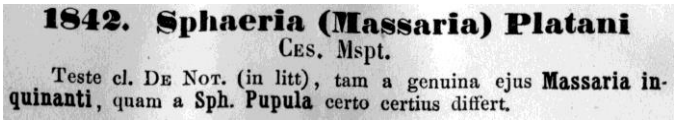
Forsan erit qui ad **Sph. protusam** (FR.) vel **obturatam** (Ejusd.) ducere velit. Sed donec non innotuerit exacte fructificatio singularum Sphaeriarum simplicium in plurimis speciebus determinatio aequivoca. In nostra, cujus specimina eheu! nisi pro maxima parte vetusta et diffracta legere contigit, ascos cito evanescere puto, sporidia ovoideo-oblonga hyalina simplicia linquentes. Perithecia perfecta subglobosa ostiolum minutum quidem sed distinctum papillaeforme praebent.

Mons Sempronii (Simplon), Jul. 1852. CESATI.

Fig. 185

Sphaeria rhizomatum Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1839, 1854 [and Bot. Zeitung **12**: 188, 1854; Flora **37**: 204, 1854], nom. nud.

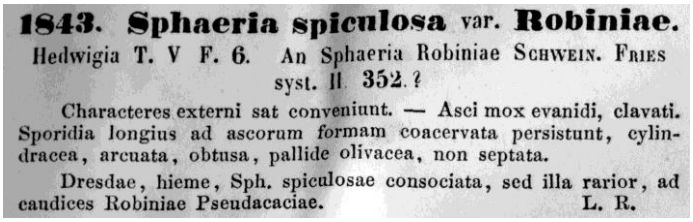
Sphaeria platani Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1842, 1854 [and Bot. Zeitung **12**: 188, 1854; Flora **37**: 204, 1854], nom. nud.
≡ *Massaria platani* Ces., in Rabenh., Fungi Eur. Exs., Ed. Nov., Ser. Sec., Cent. 4: no. 323, 1861.
≡ ***Splanchnonema platani*** (Ces.) M.E. Barr, Mycotaxon **15**: 364, 1982.
Notes: *Sphaeria platani* is a nom. nud. (fig. 186), but *Massaria platani* was validly published by Cesati in Rabenh., Fungi Eur. Exs. 323, 1861 with a description on the label.


1842. Sphaeria (Massaria) Platani
CES. Mspt.

Teste cl. DE NOT. (in litt), tam a genuina ejus **Massaria inquinanti**, quam a **Sph. Pupula** certo certius differt.

Fig. 186

Sphaeria spiculosa var. *robiniae* Riess, Hedwigia **1**: tab. V, fig. 6, 1854.
≡ *Sphaeria spiculosa* var. *robiniae* Riess, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1843, 1854 [and Bot. Zeitung **12**: 188, 1854; Flora **37**: 205, 1854], later isonyms.
= ***Cryptovalsa rabenhorstii*** (Nitschke) Sacc., Syll. Fung. **1**: 190, 1882.
Notes: *Sphaeria spiculosa* var. *robiniae* was published on the label of Klotzschii Herb. Viv. Mycol. 1843 with a description (fig. 187). However, this species was first validly published in Hedwigia 1, tab. V, according to Art. 38.7.


1843. Sphaeria spiculosa var. Robiniae.
Hedwigia T. V F. 6. An Sphaeria Robiniae SCHWEIN. FRIES syst. II 352.?

Characteres externi sat conveniunt. — Asci mox evanidi, clavati. Sporidia longius ad ascorum formam coacervata persistunt, cylindracea, arcuata, obtusa, pallide olivacea, non septata.

Dresdae, hieme, Sph. spiculosae consociata, sed illa rarior, ad candices Robiniae Pseudacaciae. L. R.

Fig. 187

Sphaeria cicutae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1848, 1854 [and Bot. Zeitung **12**: 188, 1854; Flora **37**: 205, 1854], nom. nud.

Dothidea sambuci var. *lonicerae* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1859, 1854 [and Bot. Zeitung **12**: 189, 1854; Flora **37**: 205, 1854].
Notes: Validly published with a brief diagnosis on the label of Klotzschii Herb. Viv. Mycol. 1859 (fig. 188).


1859. Dothidea Sambuci var. Lonicerae
CES. Mspt.

Polymorpha species, **D. Sambuci** per varia matrice maxime varians, diversis nominibus salutata fuit. — **D. Lonicerae** et **Xylostei** foliicolae sunt. — In ramulis emortuis Lonicerae Xylostei.

Saxon in Vallesia infer., Aug. 1852. CESATI.

Fig. 188

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Septoria umbellatarum Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1864, 1854 [and Bot. Zeitung **12**: 189, 1854; Flora **37**: 205, 1854], nom. nud.

Phyllosticta berberidis Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1865, 1854 [and Bot. Zeitung **12**: 189, 1854; Flora **37**: 205, 1854].
= *Phoma macrostoma* Mont., Ann. Sci. Nat., Bot., Sér. 3, **11**: 52, 1849.
≡ ***Didymella macrostoma*** (Mont.) Qian Chen & L. Cai, in Chen et al., Stud. Mycol. **82**: 177, 2015.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1865 (fig. 189). Synonymy see van der Aa & Vanev (2002).


1865. Phyllosticta Berberidis RABENH. Mspt.
Sporae oblongae s ovoideae, simplices s. uniseptata, hyalinae.
In fol. Berberidis vulg. pr. Dresdam. L. R.

Fig. 189

Depazea vagans var. *galeobdolontis* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1866, 1854 [and Bot. Zeitung **12**: 189, 1854; Flora **37**: 205, 1854], nom. nud.

Depazea asperulae Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1867, 1854 [and Bot. Zeitung **12**: 189, 1854; Flora **37**: 205, 1854], nom. nud.

Cytospora elegans Ces. (as "*Cytispora*"), in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1868, 1854 [and Bot. Zeitung **12**: 189, 1854; Flora **37**: 205, 1854].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1868 (fig. 190).

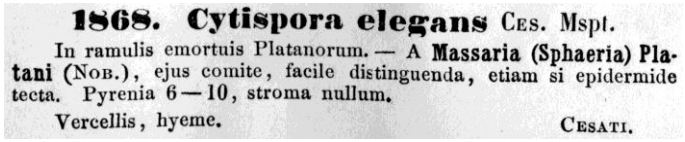

1868. Cytispora elegans CES. Mspt.
In ramulis emortuis Platanorum. — A **Massaria (Sphaeria) Platani** (NOB.), ejus comite, facile distinguenda, etiam si epidermide tecta. Pyrenia 6—10, stroma nullum.
Vercellis, hyeme. CESATI.

Fig. 190

Triposporium strepsiceras Ces., Hedwigia **1**: tab. IV, fig. 2, 1854.
≡ *Triposporium strepsiceras* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1874, 1854 [and Bot. Zeitung **12**: 189, 1854; Flora **37**: 206, 1854], later isonyms.
≡ ***Ceratosporium strepsiceras*** (Ces.) Sacc., Syll. Fung. **4**: 552, 1886.
Notes: *Triposporium strepsiceras* was published on the label of Klotzschii Herb. Viv. Mycol. 1874 with a description (fig. 191). However, this species was first validly published in Hedwigia 1, tab. IV, according to Art. 38.7, 38.10.


1874. Triposporium Strepsiceras CES. Mspt.
Hedwigia T. IV. F. 2.
Sporis sessilibus 2—3fidis, partitionibus vermicularibus ∞-septatis fuscis concoloribus.
Sporae certo sessiles in hyphasmate repente seu rectius callo eidem adfixae; quod optime intelligitur jam ope lentis acutioris, si specimina juniora examinentur, in quibus rete primitivum extensum sporis adhuc solitariis perspicitur. Hinc character generis, ad **Tr. elegans** (CDA.) et **Ficiniùsium** (PREUSS) excusus, reformandus.
Vercellis, ad basin caespitum quercus hyeme 1852—53, tam in cortice, quam in ligno denudato, effusum, et **Sporidesmio?** quodam (fig. b) passim adsociatum legi. CESATI.

Fig. 191

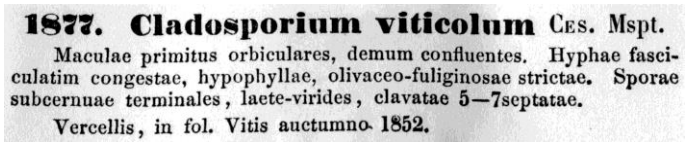

1877. Cladosporium viticolum CES. Mspt.
Maculae primitus orbiculares, demum confluentes. Hyphae fasciculatim congestae, hypophyllae, olivaceo-fuliginosae strictae. Sporae subcernuae terminales, laete-virides, clavatae 5—7septatae.
Vercellis, in fol. Vitis auctumno 1852.

Fig. 192

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Cladosporium viticola Ces. (as "*viticolum*"), in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1877, 1854 [and Bot. Zeitung **12**: 189, 1854; Flora **37**: 206, 1854].
= ***Pseudocercospora vitis*** (Lév.) Speg., Anales Mus. Nac. Buenos Aires **20**: 438, 1910.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1877 (fig. 192). Synonymy see Bensch et al. (2012).

Botrytis pulvinulus Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1881, 1854 [and Bot. Zeitung **12**: 190, 1854; Flora **37**: 206, 1854].
Notes: This species was validly published on the label of Klotzschii Herb. Viv. Mycol. 1881 (fig. 193) with a very brief description ("cinerea").

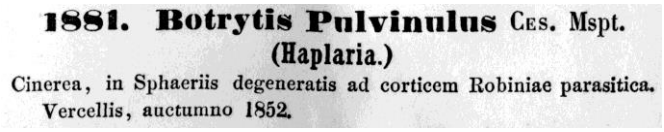

1881. Botrytis Pulvinulus Ces. Mspt.
(Haplaria.)
Cinerea, in Sphaeriis degeneratis ad corticem Robiniae parasitica.
Vercellis, auctumno 1852.

Fig. 193

Ramularia dubia Riess, Hedwigia **1**: tab. IV, fig. 9, 1854.
≡ *Ramularia dubia* Riess, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1882, 1854 [and Bot. Zeitung **12**: 190, 1854; Flora **37**: 206, 1854], later isonyms.
≡ *Cercospora dubia* (Riess) G. Winter, Fungi Eur. Exs., Ed. Nov., Ser. Sec., Cent. 28: no. 2780, 1882, nom. illeg. (Art. 53.1), non Speg., 1880.
= ***Cercospora chenopodii*** Fresen., Beitr. Mykol. **3**: 92, 1863.
Notes: *Ramularia dubia* was published on the label of Klotzschii Herb. Viv. Mycol. 1882 with a description (fig. 194). However, this species was first validly published in Hedwigia 1, tab. IV, according to Art. 38.7, 38.10. Based on phylogenetic analyses, this species belongs in the genus *Cercospora*, with *C. chenopodii* as valid name (see Groenewald et al. 2013: 148).


1882. Ramularia dubia n. sp.
Hedwigia T. IV. F. 9.
Amphigena; mycelium endophytum, ramosum; flocci simplices, continui, fasciculati; sporae acrogenae, cylindricae, utrinque obtusae, pallidae, triseptatae, $^1/_{56}$ — $^1/_{40}$‴ longae. Insidet in maculis arescentibus foliorum vivorum Atriplicis patulae, quae ab utraque parte pulvere griseo conspersa esse videntur.
Legeb. prope Cassellas auctumno 1853. Riess.

Fig. 194

Myriocephalum botryosporum var. *carpini* Riess, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1884, 1854 [and Bot. Zeitung **12**: 190, 1854; Flora **37**: 206, 1854].
Notes: This variety was validly published on the label of Klotzschii Herb. Viv. Mycol. 1884 (fig. 195) by a reference to an earlier description published by Fresenius, Beitr. Mykol. **2**: 40, 1852 (and illustration – Tab. 5, Figs 3, 6) under an unnamed forma on *Carpinus betulus*.

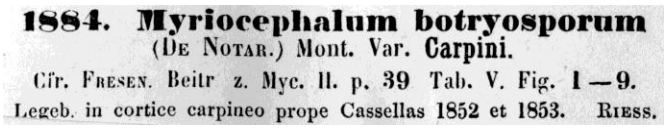

1884. Myriocephalum botryosporum
(De Notar.) Mont. Var. **Carpini.**
Cfr. Fresen. Beitr z. Myc. II. p. 39 Tab. V. Fig. 1—9.
Legeb. in cortice carpineo prope Cassellas 1852 et 1853. Riess.

Fig. 195

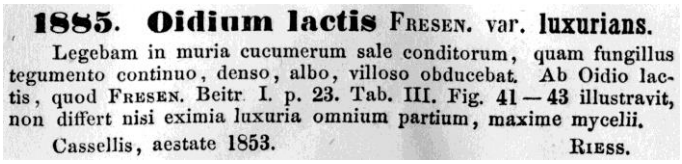

1885. Oidium lactis Fresen. var. **luxurians.**
Legebam in muria cucumerum sale conditorum, quam fungillus tegumento continuo, denso, albo, villoso obducebat. Ab Oidio lactis, quod Fresen. Beitr. I. p. 23. Tab. III. Fig. 41—43 illustravit, non differt nisi eximia luxuria omnium partium, maxime mycelii.
Cassellis, aestate 1853. Riess.

Fig. 196

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Oidium lactis var. *luxurians* Riess, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1885, 1854 [and Bot. Zeitung **12**: 190, 1854; Flora **37**: 206, 1854].
= *Geotrichum candidum* Link, Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin **3**(1): 17, t. 1:26, 1809.
= ***Dipodascus geotrichum*** (E.E. Butler & L.J. Petersen) Arx, Antonie van Leeuwenhoek **43**: 36, 1977.
Notes: This variety was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1885 (fig. 196).

Fusidium anceps Riess, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1887, 1854 [and Bot. Zeitung **12**: 190, 1854; Flora **37**: 206, 1854].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1887 (fig. 197).

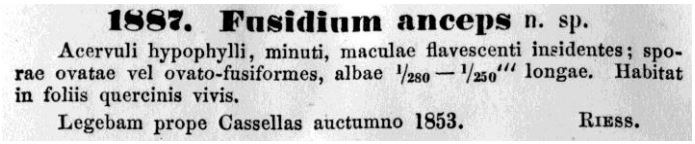

1887. Fusidium anceps n. sp.
Acervuli hypophylli, minuti, maculae flavescenti insidentes; sporae ovatae vel ovato-fusiformes, albae $^1/_{280}$ — $^1/_{250}$‴ longae. Habitat in foliis quercinis vivis.
Legebam prope Cassellas auctumno 1853. Riess.

Fig. 197

Oidium aceris Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1892, 1854 [and Bot. Zeitung **12**: 190, 1854; Flora **37**: 207, 1854].
= ***Sawadaea bicornis*** (Wallr. : Fr.) Homma, J. Fac. Agric. Hokkaido Univ. **38**:371, 1937.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1892 (fig. 198). Synonymy see Braun & Cook (2012: 173).

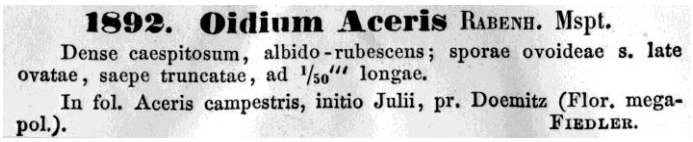

1892. Oidium Aceris Rabenh. Mspt.
Dense caespitosum, albido-rubescens; sporae ovoideae s. late ovatae, saepe truncatae, ad $^1/_{50}$‴ longae.
In fol. Aceris campestris, initio Julii, pr. Doemitz (Flor. megapol.). Fiedler.

Fig. 198

Sporodum asperum Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1894, 1854 [and Bot. Zeitung **12**: 190, 1854; Flora **37**: 207, 1854].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1894 (fig. 199).

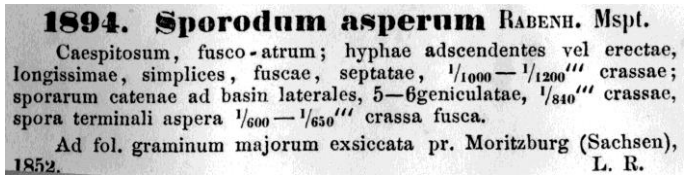

1894. Sporodum asperum Rabenh. Mspt.
Caespitosum, fusco-atrum; hyphae adscendentes vel erectae, longissimae, simplices, fuscae, septatae, $^1/_{1000}$ — $^1/_{1200}$‴ crassae; sporarum catenae ad basin laterales, 5—6geniculatae, $^1/_{840}$‴ crassae, spora terminali aspera $^1/_{600}$ — $^1/_{650}$‴ crassa fusca.
Ad fol. graminum majorum exsiccata pr. Moritzburg (Sachsen), 1852. L. R.

Fig. 199

Mammaria Ces. and *Mammaria echinobotryoides* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1895, 1854 [and Bot. Zeitung **12**: 190, 1854; Flora **37**: 207, 1854].
Notes: The genus *Mammaria* and its type species *M. echinobotryoides* were simultaneously validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1895 (fig. 200) [Art. 38.5].

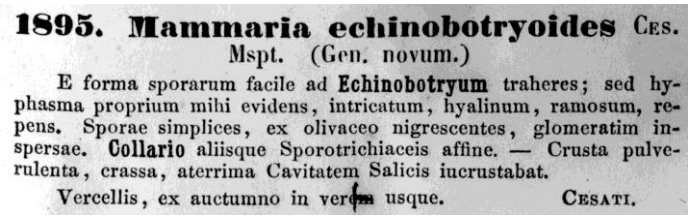

1895. Mammaria echinobotryoides Ces. Mspt. (Gen. novum.)
E forma sporarum facile ad **Echinobotryum** traheres; sed hyphasma proprium mihi evidens, intricatum, hyalinum, ramosum, repens. Sporae simplices, ex olivaceo nigrescentes, glomeratim inspersae. **Collario** aliisque Sporotrichiaceis affine. — Crusta pulverulenta, crassa, aterrima Cavitatem Salicis iucrustabat.
Vercellis, ex auctumno in ver[illegible] usque. Cesati.

Fig. 200

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Ustilago rhynchosporae Saut., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1896, 1854 [and Bot. Zeitung **12**: 190, 1854; Flora **37**: 207, 1854].
= *Cintractia gigantospora* Liro, Mycoth. Fenn., Fasc. **16**: 11, 1935.
≡ ***Ustanciosporium gigantosporum*** (Liro) M. Piepenbr., Nova Hedwigia **70**(3-4): 339, 2000.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1896 (fig. 201).

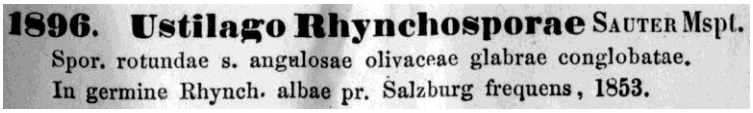

1896. Ustilago Rhynchosporae Sauter Mspt.
Spor. rotundae s. angulosae olivaceae glabrae conglobatae.
In germine Rhynch. albae pr. Salzburg frequens, 1853.

Fig. 201

Uredo longissima var. *megalospora* Riess, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 19: no. 1897, 1854 [and Bot. Zeitung **12**: 190, 1854; Flora **37**: 207, 1854].
= ***Ustilago striiformis*** (Westend.) Niessl, Hedwigia **15**: 1, 1876.
Notes: This variety was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1897 (fig. 202). Saccardo (1888: 485) reduced *U. longissima* var. *megalospora* to synonymy with *Tilletia striiformis* (≡ *Ustilago striiformis*). This synonymy could be confirmed by the examination of the duplicate deposited at HAL.


1897. Uredo (Ustilago) longissima Sowerb.
Var. **megalospora.**
Sporae subglobosae vel ovatae $^1/_{190}'''$ diam. Habitat in foliis vivis Dactylidis et Poarum. Ea Uredinis longissimae varietas, quae ex Glyceria fluitanti nascitur, sporas habet diam. vix majores $^1/_{250}'''$.
Legebam prope Cassellas aestate 1853. Riess.

Fig. 202

Cent. 20

Agaricus fuscellus Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1905, 1855 [and Bot. Zeitung **13**: 282, 1855; Flora **38**: 266, 1855].
≡ *Mycena fuscella* (Lasch) Sacc., Syll. Fung. **5**: 283, 1887.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1905 (fig. 203).

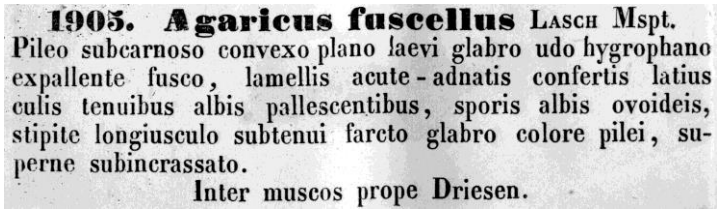

1905. Agaricus fuscellus Lasch Mspt.
Pileo subcarnoso convexo plano laevi glabro udo hygrophano expallente fusco, lamellis acute-adnatis confertis latius culis tenuibus albis pallescentibus, sporis albis ovoideis, stipite longiusculo subtenui farcto glabro colore pilei, superne subincrassato.
Inter muscos prope Driesen.

Fig. 203

Cantharellus infundibuliformis var. *concolor* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1912, 1855 [and Bot. Zeitung **13**: 283, 1855; Flora **38**: 266, 1855], nom. nud.

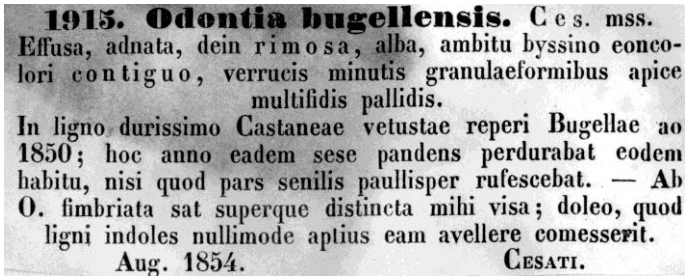

1915. Odontia bugellensis. Ces. mss.
Effusa, adnata, dein rimosa, alba, ambitu byssino concolori contiguo, verrucis minutis granulaeformibus apice multifidis pallidis.
In ligno durissimo Castaneae vetustae reperi Bugellae ao 1850; hoc anno eadem sese pandens perdurabat eodem habitu, nisi quod pars senilis paullisper rufescebat. — Ab O. fimbriata sat superque distincta mihi visa; doleo, quod ligni indoles nullimode aptius eam avellere comesserit.
Aug. 1854. Cesati.

Fig. 204

Odontia bugellensis Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1915, 1855 [and Bot. Zeitung **13**: 283, 1855; Flora **38**: 267, 1855].

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≡ ***Xylodon bugellensis*** (Ces.) Hjortstam & Ryvarden, Syn. Fung. (Oslo) **23**: 99, 2007.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1915 (fig. 204).

Peziza viridibrunnea Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1919, 1855 [and Bot. Zeitung **13**: 283, 1855; Flora **38**: 267, 1855].
≡ *Humaria viridibrunnea* (Ces.) Sacc., Syll. Fung. **8**: 147, 1889.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1919 (fig. 205).

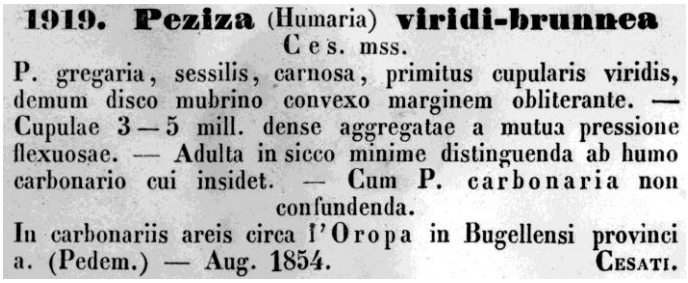

1919. Peziza (Humaria) **viridi-brunnea**
Ces. mss.
P. gregaria, sessilis, carnosa, primitus cupularis viridis, demum disco mubrino convexo marginem obliterante. — Cupulae 3—5 mill. dense aggregatae a mutua pressione flexuosae. — Adulta in sicco minime distinguenda ab humo carbonario cui insidet. — Cum P. carbonaria non confundenda.
In carbonariis areis circa l'Oropa in Bugellensi provinci a. (Pedem.) — Aug. 1854. Cesati.

Fig. 205

Peziza epiphylla var. *populina* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1920, 1855 [and Bot. Zeitung **13**: 283, 1855; Flora **38**: 267, 1855].
Notes: This variety was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1920 (fig. 206).


1920. Peziza epiphylla Pers.
var. populina Lasch.
Minuta alba pallescens glabra, disco planiusculo, margine acuto, stipite brevi v. elongato superne subincrassato.
Ad folia putrida Populi nigrae pr. Driesen. 1854.

Fig. 206

Peziza occulta Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1922, 1855 [and Bot. Zeitung **13**: 283, 1855; Flora **38**: 267, 1855].
≡ ***Psilachnum occultum*** (Ces.) Raitv. [as "*occulta*"], Scripta Mycol., Tartu **20**: 104, 2004.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1922 (fig. 207).

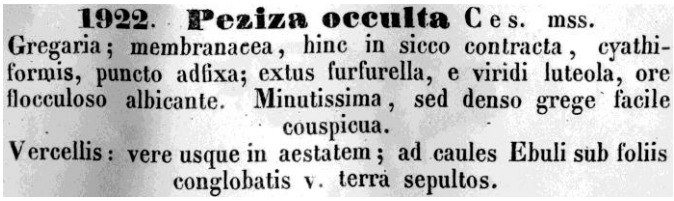

1922. Peziza occulta Ces. mss.
Gregaria; membranacea, hinc in sicco contracta, cyathiformis, puncto adfixa; extus furfurella, e viridi luteola, ore flocculoso albicante. Minutissima, sed denso grege facile conspicua.
Vercellis: vere usque in aestatem; ad caules Ebuli sub foliis conglobatis v. terra sepultos.

Fig. 207


1926. Peziza Calamaria Ces. mss.
Microscopica, solitaria, sessilis, rumpens, ceracella, carneo-miniata, cupularis, margine obtuso, disco planiusculo. — Fructificatio nondum clara; fere Dacrymycetis ascigeri; de quo cfr. Fr. in Summa pl. Scand. Biella (Pedemont.) ad folia et culmos exsicc. Festucae vel Calamagrostidis cujusdam. — Auto 850. Cesati.

Fig. 208

Peziza calamaria Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1926, 1855 [and Bot. Zeitung **13**: 283, 1855; Flora **38**: 267, 1855].
≡ ***Orbilia calamaria*** (Ces.) Sacc., Syll. Fung. **8**: 632, 1889.

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Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1926 (fig. 208).

Stictis furfurella Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1929, 1855 [and Bot. Zeitung **13**: 284, 1855; Flora **38**: 267, 1855].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1929 (fig. 209).

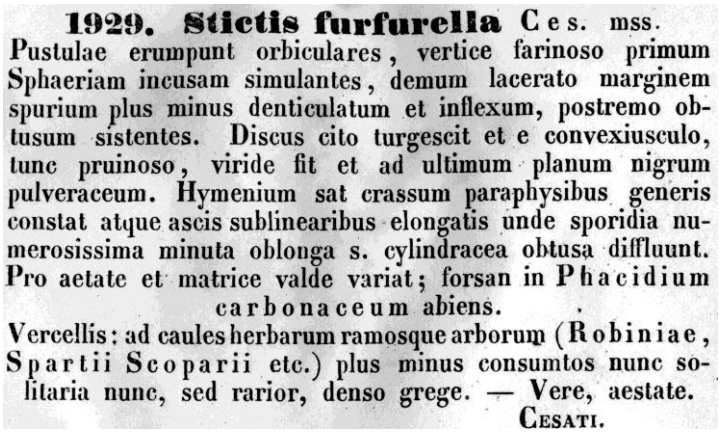

1929. Stictis furfurella Ces. mss.
Pustulae erumpunt orbiculares, vertice farinoso primum Sphaeriam incusam simulantes, demum lacerato marginem spurium plus minus denticulatum et inflexum, postremo obtusum sistentes. Discus cito turgescit et e convexiusculo, tunc pruinoso, viride fit et ad ultimum planum nigrum pulveraceum. Hymenium sat crassum paraphysibus generis constat atque ascis sublinearibus elongatis unde sporidia numerosissima minuta oblonga s. cylindracea obtusa diffluunt. Pro aetate et matrice valde variat; forsan in Phacidium carbonaceum abiens.
Vercellis: ad caules herbarum ramosque arborum (Robiniae, Spartii Scoparii etc.) plus minus consumtos nunc solitaria nunc, sed rarior, denso grege. — Vere, aestate.
Cesati.

Fig. 209

Pistillaria inaequalis Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1930, 1855 [and Bot. Zeitung **13**: 284, 1855; Flora **38**: 267, 1855].
≡ *Cnazonaria inaequalis* (Lasch) Donk, Meded. Bot. Mus. Herb. Rijks Univ. Utrecht **9**: 99, 1933.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1930 (fig. 210).


1930. Pistillaria inaequalis Lasch Mspt.
Subrotunda, obovata oblongave alba pruinosa, stipite brevi v. elongata leviter floccoso, basi subincrassato.
Ad ramos emort. Spartii pr. Driesen.

Fig. 210

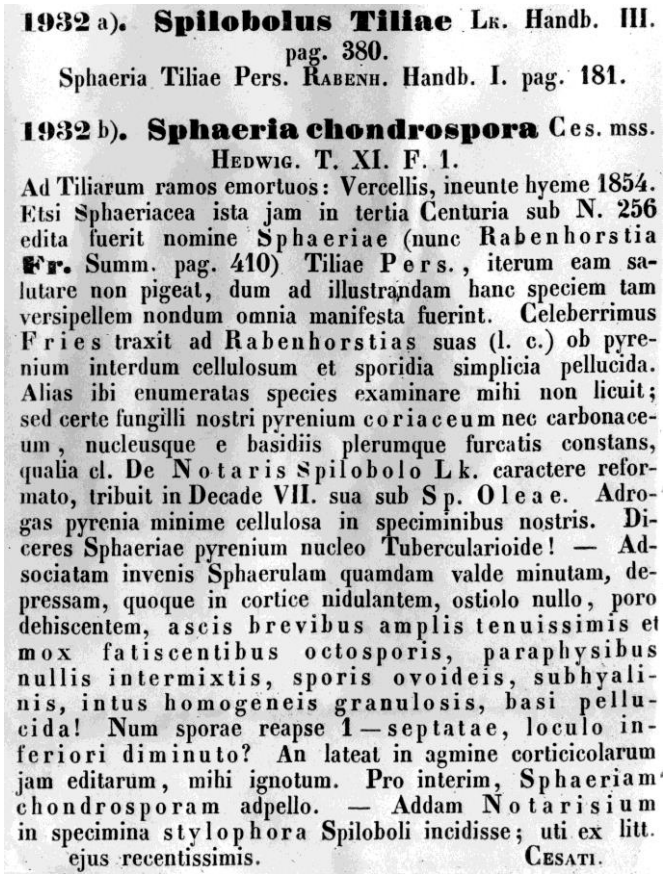
Stilbum rhizomorpharum Ces., Hedwigia **1**(10): tab. X, fig. 15, 1855.
≡ *Stilbum rhizomorpharum* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1931, 1855 [and Bot. Zeitung **13**: 284, 1855; Flora **38**: 268, 1855], later isonyms.
≡ ***Pseudographiella rhizomorpharum*** (Ces.) Illman, Rogerson & G.P. White, Mycologia **77**(4): 665, 1985.
Notes: This species was published on the label of Klotzschii Herb. Viv. Mycol. 1931 with a description (fig. 211). However, this species was first validly published in Hedwigia 1, tab. X, fig. 15, according to Art. 38.7, 38.10.


1931. Stilbum (Atractium) **Rhizomorpharum** Ces. mss.
Hedwigia T. X. F. 15.
Magnitudine habituque S. piliforme refert; sed nostri sporae elongato-fusiformes, utrinque acnminatae. Stipitis fibrosi apex reapse in fibrillas solvitur, quae forsan bosidia sistunt; hinc transitus ad Graphium. Sporae guttulis repletae mihi visae sunt. Stipes brunneus tamen in fibras non scinditur. Capitulum sporarum sordescens. In Cavitate Fagi putridae ad Rhizomorphas tabefactas. — Oropa (Pedemont.): Aug. 1854. Cesati.

Fig. 211

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Sphaeria chondrospora Ces., Hedwigia **1**(10): tab. XI, fig. 2, 1855.
≡ *Sphaeria chondrospora* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1932 b, 1855 [and Bot. Zeitung **13**: 284, 1855; Flora **38**: 268, 1855], later isonyms.
≡ ***Pseudomassaria chondrospora*** (Ces.) Jacz., Bull. Herb. Boissier **2**: 663, 1894.
Notes: This species was published on the label of Klotzschii Herb. Viv. Mycol. 1932 b with a description (fig. 212). However, this species was first validly published in Hedwigia 1, tab. XI, fig. 2, according to Art. 38.7, 38.10.

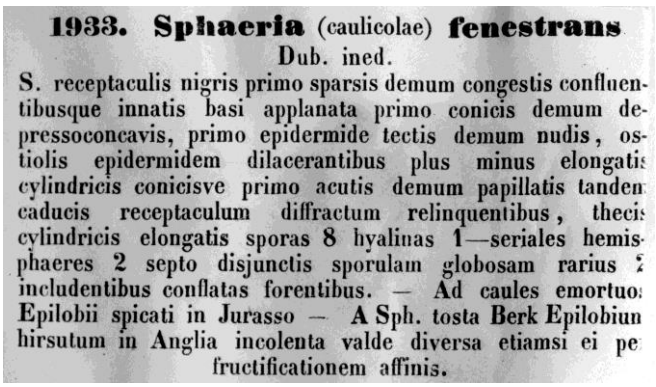


1932 a). **Spilobolus Tiliae** Lk. Handb. III. pag. 380.
Sphaeria Tiliae Pers. Rabenh. Handb. I. pag. 181.

1932 b). **Sphaeria chondrospora** Ces. mss.
Hedwig. T. XI. F. 1.
Ad Tiliarum ramos emortuos: Vercellis, ineunte hyeme 1854. Etsi Sphaeriacea ista jam in tertia Centuria sub N. 256 edita fuerit nomine Sphaeriae (nunc Rabenhorstia Fr. Summ. pag. 410) Tiliae Pers., iterum eam salutare non pigeat, dum ad illustrandam hanc speciem tam versipellem nondum omnia manifesta fuerint. Celeberrimus Fries traxit ad Rabenhorstias suas (l. c.) ob pyrenium interdum cellulosum et sporidia simplicia pellucida. Alias ibi enumeratas species examinare mihi non licuit; sed certe fungilli nostri pyrenium coriaceum nec carbonaceum, nucleusque e basidiis plerumque furcatis constans, qualia cl. De Notaris Spilobolo Lk. caractere reformato, tribuit in Decade VII. sua sub Sp. Oleae. Adrogas pyrenia minime cellulosa in speciminibus nostris. Diceres Sphaeriae pyrenium nucleo Tubercularioide! — Adsociatam invenis Sphaerulam quamdam valde minutam, depressam, quoque in cortice nidulantem, ostiolo nullo, poro dehiscentem, ascis brevibus amplis tenuissimis et mox fatiscentibus octosporis, paraphysibus nullis intermixtis, sporis ovoideis, subhyalinis, intus homogeneis granulosis, basi pellucida! Num sporae reapse 1—septatae, loculo inferiori diminuto? An lateat in agmine corticicolarum jam editarum, mihi ignotum. Pro interim, Sphaeriam chondrosporam adpello. — Addam Notarisium in specimina stylophora Spiloboli incidisse; uti ex litt. ejus recentissimis. Cesati.

Fig. 212

Sphaeria fenestrans Duby ex Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1933, 1855 [and Bot. Zeitung **13**: 285, 1855; Flora **38**: 269, 1855].
≡ *Sphaeria fenestrans* Duby, Fl. Crypt. Flandres (Paris) **1**: 348, 1867, later isonym.
≡ ***Sydowiella fenestrans*** (Duby ex Rabenh.) Petr., Ann. Mycol. **21**(1/2): 30, 1923.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1933 (fig. 213).



1933. Sphaeria (caulicolae) **fenestrans**
Dub. ined.
S. receptaculis nigris primo sparsis demum congestis confluentibusque innatis basi applanata primo conicis demum depressoconcavis, primo epidermide tectis demum nudis, ostiolis epidermidem dilacerantibus plus minus elongatis cylindricis conicisve primo acutis demum papillatis tandem caducis receptaculum diffractum relinquentibus, thecis cylindricis elongatis sporas 8 hyalinas 1—seriales hemisphaeres 2 septo disjunctis sporulam globosam rarius 2 includentibus conflatas forentibus. — Ad caules emortuos Epilobii spicati in Jurasso — A Sph. tosta Berk Epilobium hirsutum in Anglia incolenta valde diversa etiamsi ei pe fructificationem affinis.

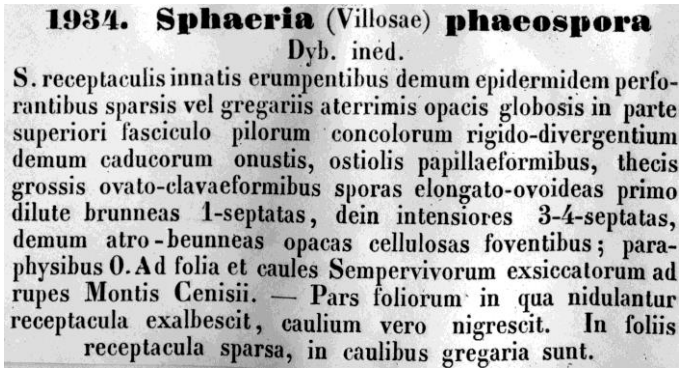
Fig. 213

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Sphaeria phaeospora Duby ex Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1934, 1855 [and Bot. Zeitung **13**: 285, 1855; Flora **38**: 269, 1855].

≡ ***Pleospora phaeospora*** (Duby ex Rabenh.) Ces. & De Not., Comm. Soc. Crittog. Ital. **1**(fasc. 4): 218, 1863.

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1934 (fig. 214).



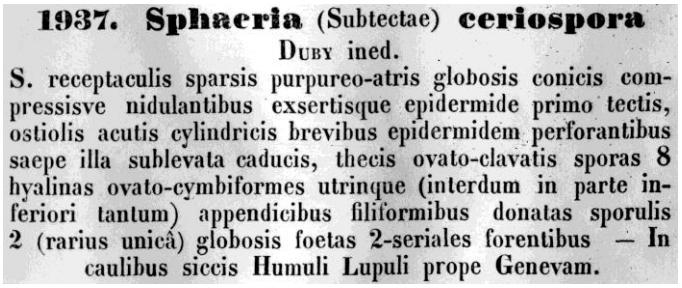
1934. Sphaeria (Villosae) **phaeospora**
Dyb. ined.
S. receptaculis innatis erumpentibus demum epidermidem perforantibus sparsis vel gregariis aterrimis opacis globosis in parte superiori fasciculo pilorum concolorum rigido-divergentium demum caducorum onustis, ostiolis papillaeformibus, thecis grossis ovato-clavaeformibus sporas elongato-ovoideas primo dilute brunneas 1-septatas, dein intensiores 3-4-septatas, demum atro-beunneas opacas cellulosas foventibus; paraphysibus 0. Ad folia et caules Sempervivorum exsiccatorum ad rupes Montis Cenisii. — Pars foliorum in qua nidulantur receptacula exalbescit, caulium vero nigrescit. In foliis receptacula sparsa, in caulibus gregaria sunt.

Fig. 214

Sphaeria ceriospora Duby ex Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1937, 1855 [and Bot. Zeitung **13**: 285, 1855; Flora **38**: 269, 1855].

≡ ***Ceriospora dubyi*** Niessl, Verh. Naturf. Vereins Brünn **14**: 169, 1876.

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1937 (fig. 215).



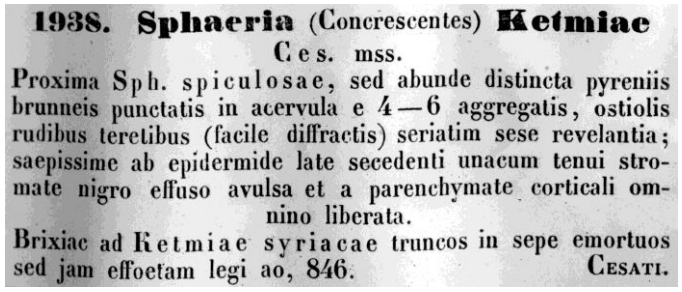
1937. Sphaeria (Subtectae) **ceriospora**
Duby ined.
S. receptaculis sparsis purpureo-atris globosis conicis compressisve nidulantibus exsertisque epidermide primo tectis, ostiolis acutis cylindricis brevibus epidermidem perforantibus saepe illa sublevata caducis, thecis ovato-clavatis sporas 8 hyalinas ovato-cymbiformes utrinque (interdum in parte inferiori tantum) appendicibus filiformibus donatas sporulis 2 (rarius unicâ) globosis foetas 2-seriales forentibus — In caulibus siccis Humuli Lupuli prope Genevam.

Fig. 215

Sphaeria ketmiae Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1938, 1855 [and Bot. Zeitung **13**: 285, 1855; Flora **38**: 269, 1855].

≡ *Valsa ketmiae* (Ces.) De Not., Comm. Soc. crittog. Ital. **1**(fasc. 4): 209, 1863.

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1938 (fig. 216).



1938. Sphaeria (Concrescentes) **Ketmiae**
Ces. mss.
Proxima Sph. spiculosae, sed abunde distincta pyreniis brunneis punctatis in acervula e 4—6 aggregatis, ostiolis rudibus teretibus (facile diffractis) seriatim sese revelantia; saepissime ab epidermide late secedenti unacum tenui stromate nigro effuso avulsa et a parenchymate corticali omnino liberata.
Brixiae ad Ketmiae syriacae truncos in sepe emortuos sed jam effoetam legi ao, 846. Cesati.

Fig. 216

Diplodia dianthi Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1943, 1855 [and Bot. Zeitung **13**: 286, 1855; Flora **38**: 270, 1855].

≡ *Diplodina dianthi* (Ces.) Sacc., Syll. Fung. **3**: 412, 1884.

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Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1943 (fig. 217).

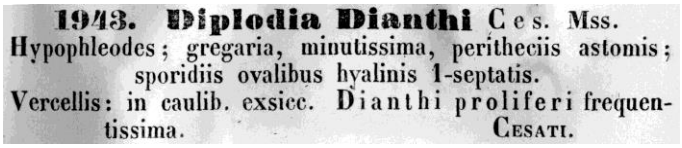

1943. **Diplodia Dianthi** Ces. Mss.
Hypophleodes; gregaria, minutissima, peritheciis astomis; sporidiis ovalibus hyalinis 1-septatis.
Vercellis: in caulib. exsicc. Dianthi proliferi frequentissima. Cesati.

Fig. 217

Poronia macropoda Ces. and *P. macropoda* var. *cladonioides* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1946, 1855 [and Bot. Zeitung **13**: 286, 1855; Flora **38**: 270, 1855].

Notes: These taxa were validly published with descriptions on the label of Klotzschii Herb. Viv. Mycol. 1946 (fig. 218). These names appeared first in Cesati (1847: 494), but without any description. These names are missing in fungal databases.

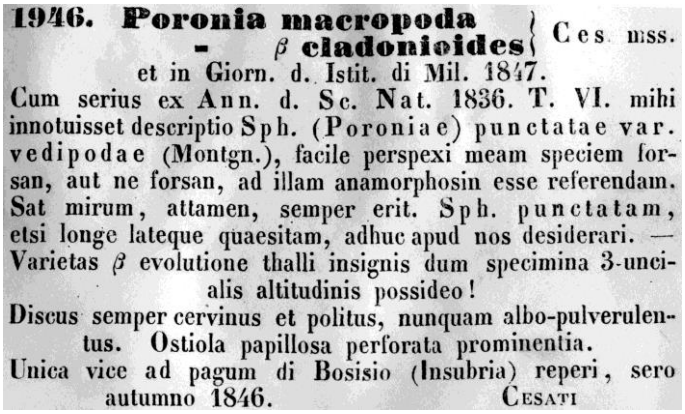

1946. **Poronia macropoda**
- β cladonioides } Ces. mss.
et in Giorn. d. Istit. di Mil. 1847.
Cum serius ex Ann. d. Sc. Nat. 1836. T. VI. mihi innotuisset descriptio Sph. (Poroniae) punctatae var. vedipodae (Montgn.), facile perspexi meam speciem forsan, aut ne forsan, ad illam anamorphosin esse referendam. Sat mirum, attamen, semper erit. Sph. punctatam, etsi longe lateque quaesitam, adhuc apud nos desiderari. — Varietas β evolutione thalli insignis dum specimina 3-uncialis altitudinis possideo!
Discus semper cervinus et politus, nunquam albo-pulverulentus. Ostiola papillosa perforata prominentia.
Unica vice ad pagum di Bosisio (Insubria) reperi, sero autumno 1846. Cesati

Fig. 218

Sporocadus subglobatus Preuss, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1947, 1855 [and Bot. Zeitung **13**: 286, 1855; Flora **38**: 270, 1855].

≡ *Sporocadus subglobatus* Preuss, Linnaea **26**(6): 723, 1855 [Heft 6 (pp. 641–807) was published in Sept. 1855], later isonym.

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1947 (fig. 219). The description in "Botanische Zeitung 13: 286, 1855" was published in April 1855.

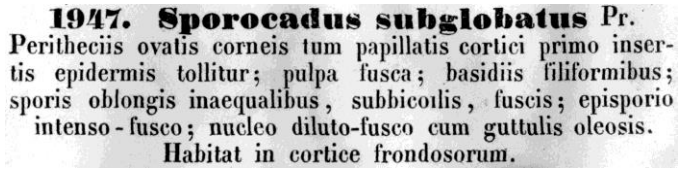

1947. **Sporocadus subglobatus** Pr.
Peritheciis ovatis corneis tum papillatis cortici primo insertis epidermis tollitur; pulpa fusca; basidiis filiformibus; sporis oblongis inaequalibus, subbicoilis, fuscis; episporio intenso-fusco; nucleo diluto-fusco cum guttulis oleosis.
Habitat in cortice frondosorum.

Fig. 219

Dothidea napelli Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1952a, 1855 [and Bot. Zeitung **13**: 286, 1855; Flora **38**: 270, 1855].

≡ ***Mazzantia napelli*** (Ces.) Sacc., Atti Soc. Veneto-Trent. Sci. Nat., Padova, Sér. 4, **4**: 125, 1875.

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1952 a (fig. 220).

Sacidium alprestre Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1952b, 1855 [and Bot. Zeitung **13**: 286, 1855; Flora **38**: 270, 1855].

Notes: This species was simultaneously validly published together with *Dothidea napelli* with a description on the label of Klotzschii Herb. Viv. Mycol. 1952 b (fig. 220).

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1952 a). **Dothidea? Napelli** } Ces. mss.
1952 b). **Sacidium alpestre** }
Sub maculis nigro-fuscis depressis, margine obscuriori acute limitatis, omnino Leptostroma simulantibus, latitant nucléi albidi, vix pyrenio genuino excepti, depressi, immaturi ex ascis elongatis polysporis? constantes, paraph. nullis intermixtis? Haec Dothidea nostra.
Jam multis abhinc annis in monte Resegone (Mediol. ditionis) ad Aconiti Napelli caules exsiccatos legeram; nunc iterum in Valle Stramba (Bugell. ditionis: Pedem.) mihi obviam venit, socia Sacidio, quod alpestris nomine offerimus sporidiis sublunulatis utrinque obtusis distincta. Aug. mens. 1854. Cesati

Fig. 220

Rhytisma cotini Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1953, 1855 [and Bot. Zeitung **13**: 287, 1855; Flora **38**: 270, 1855].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1953 (fig. 221).


1953. **Rhytisma Cotini** Ces. mss.
Primo intuitu pro Apiosporia quodam habueram, sed fructificatio nullimode respondet, imo minime clara. Simile admodum video Rh. zeino Béreng. (in Att. del Congr. d. Milano. 1844.
Brixiae: sero autumno et magis hyeme. (1846—1848).
Cesati.

Fig. 221

Septoria rhamni-catharticae Ces. (as "*rhamni-cathartici*"), in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1956, 1855 [and Bot. Zeitung **13**: 287, 1855; Flora **38**: 271, 1855].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1956 (fig. 222).


1956. **Septoria Rhamni Cathartici**
Ces. Mspt.
Sporidia longa acuminata!
In fol. Rh. Cathartici; Brixiae leg. Cesati.

Fig. 222

Phoma filum f. *iridearum* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1959a, 1855 [and Bot. Zeitung **13**: 287, 1855; Flora **38**: 271, 1855].
Notes: Validly published on the label of Klotzschii Herb. Viv. Mycol. 1959a (fig. 223) as substrate/host forma.

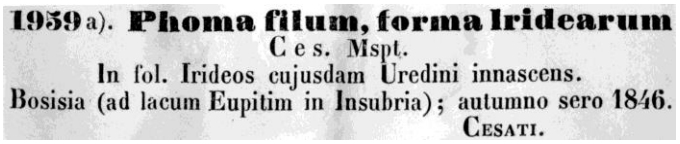

1959 a). **Phoma filum, forma Iridearum**
Ces. Mspt.
In fol. Irideos cujusdam Uredini innascens.
Bosisia (ad lacum Eupitim in Insubria); autumno sero 1846.
Cesati.

Fig. 223

Phoma filum f. *leguminosarum* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1959 b, 1855 [and Bot. Zeitung **13**: 287, 1855; Flora **38**: 271, 1855].
Notes: Validly published on the label of Klotzschii Herb. Viv. Mycol. 1959 b (fig. 224) as substrate/host forma.

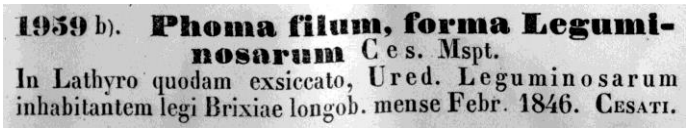

1959 b). **Phoma filum, forma Leguminosarum** Ces. Mspt.
In Lathyro quodam exsiccato, Ured. Leguminosarum inhabitantem legi Brixiae longob. mense Febr. 1846. Cesati.

Fig. 224

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Discosia minuta Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1961, 1855 [and Bot. Zeitung **13**: 287, 1855; Flora **38**: 271, 1855].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1961 (fig. 225).

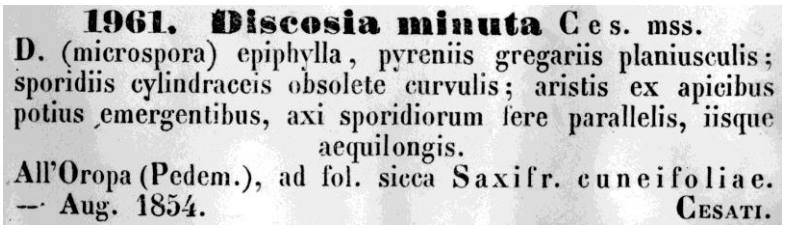

1961. Discosia minuta Ces. mss.
D. (microspora) epiphylla, pyreniis gregariis planiusculis; sporidiis cylindraceis obsolete curvulis; aristis ex apicibus potius emergentibus, axi sporidiorum fere parallelis, iisque aequilongis.
All'Oropa (Pedem.), ad fol. sicca Saxifr. cuneifoliae. — Aug. 1854. CESATI.

Fig. 225

Physarum macrocarpum Ces. [as "*macrocarpon*"], in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1968, 1855 [and Bot. Zeitung **13**: 287, 1855; Flora **38**: 271, 1855].
≡ ***Badhamia macrocarpa*** (Ces.) Rostaf., Śluzowce monogr. (Paryz): 143, [1874] 1875.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1968 (fig. 226).

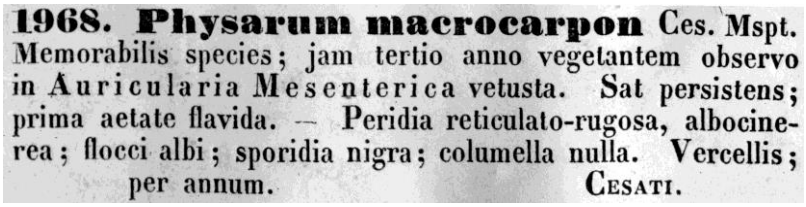

1968. Physarum macrocarpon Ces. Mspt.
Memorabilis species; jam tertio anno vegetantem observo in Auricularia Mesenterica vetusta. Sat persistens; prima aetate flavida. — Peridia reticulato-rugosa, albocinerea; flocci albi; sporidia nigra; columella nulla. Vercellis; per annum. CESATI.

Fig. 226

Helminthosporium rhizoctonon Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1970, 1855 [and Bot. Zeitung **13**: 299, 1855; Flora **38**: 271, 1855].
= ***Rhizoctonia crocorum*** (Pers.) DC., Fl. Franç. **6**: 111, 1815.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1970 (fig. 227).

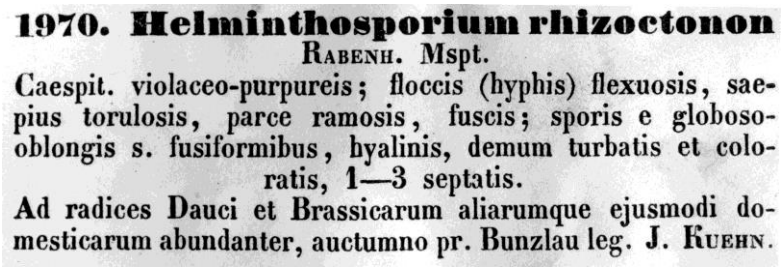

1970. Helminthosporium rhizoctonon
RABENH. Mspt.
Caespit. violaceo-purpureis; floccis (hyphis) flexuosis, saepius torulosis, parce ramosis, fuscis; sporis e globoso-oblongis s. fusiformibus, hyalinis, demum turbatis et coloratis, 1—3 septatis.
Ad radices Dauci et Brassicarum aliarumque ejusmodi domesticarum abundanter, auctumno pr. Bunzlau leg. J. KUEHN.

Fig. 227

Peronospora hepaticae Casp., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1972, 1855 [and Bot. Zeitung **13**: 299, 1855; Flora **38**: 271, 1855], nom. nud.
≡ *Peronospora hepaticae* Casp., Ber. Bekanntm. Verhandl. Königlich Preuss. Akad. Wissensch. Berlin **3**: 329, 1855.
≡ ***Plasmopara hepaticae*** (Casp.) C.G. Shaw, Mycologia **41**(3): 334, 1949.

Oedocephalum crystallinum Ces., Hedwigia **1**: tab. IV, fig. 3, 1855.
≡ *Oedocephalum crystallinum* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1974, 1855 [and Bot. Zeitung **13**: 299, 1855; Flora **38**: 271, 1855], later isonyms.
Notes: This species was published with a description on the label of Klotzschii Herb. Viv. Mycol. 1974 (fig. 228). However, this species was first validly published in Hedwigia 1, tab. IV, fig. 3, according to Art. 38.7, 38.10.

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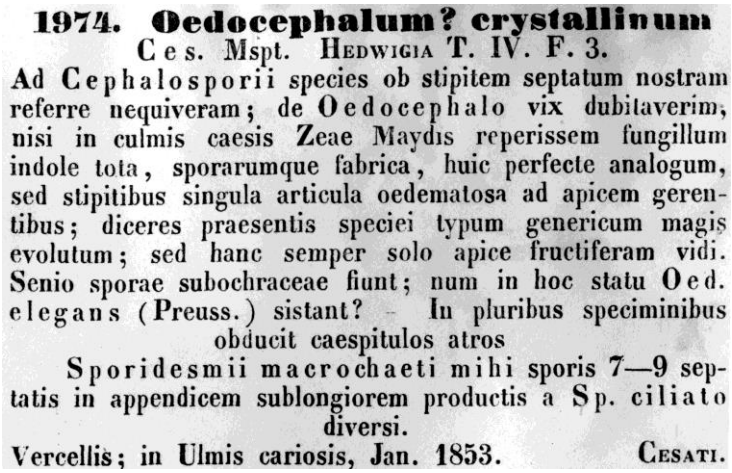

1974. Oedocephalum? crystallinum
Ces. Mspt. Hedwigia T. IV. F. 3.
Ad Cephalosporii species ob stipitem septatum nostram referre nequiveram; de Oedocephalo vix dubitaverim, nisi in culmis caesis Zeae Maydis reperissem fungillum indole tota, sporarumque fabrica, huic perfecte analogum, sed stipitibus singula articula oedematosa ad apicem gerentibus; diceres praesentis speciei typum genericum magis evolutum; sed hanc semper solo apice fructiferam vidi. Senio sporae subochraceae fiunt; num in hoc statu Oed. elegans (Preuss.) sistant? – In pluribus speciminibus obducit caespitulos atros
Sporidesmii macrochaeti mihi sporis 7—9 septatis in appendicem sublongiorem productis a Sp. ciliato diversi.
Vercellis; in Ulmis cariosis, Jan. 1853. Cesati.

Fig. 228

Nodulisporium sphaerosporum Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1975, 1855 [and Bot. Zeitung **13**: 300, 1855; Flora **38**: 272, 1855].
≡ ***Acladium sphaerosporum*** (Ces.) S. Hughes, Canad. J. Bot. **36**: 732, 1958.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1975 (fig. 229).

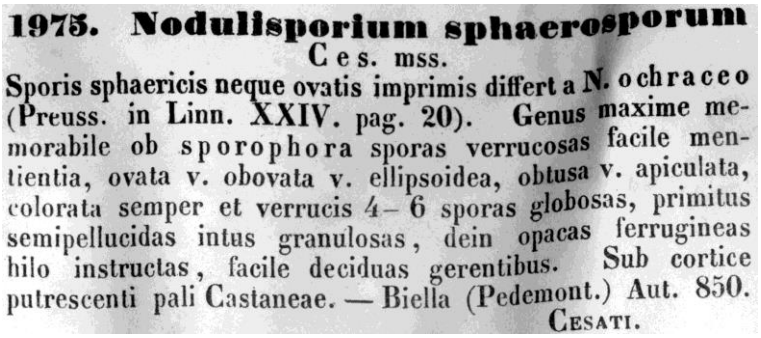

1975. Nodulisporium sphaerosporum
Ces. mss.
Sporis sphaericis neque ovatis imprimis differt a N. ochraceo (Preuss. in Linn. XXIV. pag. 20). Genus maxime memorabile ob sporophora sporas verrucosas facile mentientia, ovata v. obovata v. ellipsoidea, obtusa v. apiculata, colorata semper et verrucis 4–6 sporas globosas, primitus semipellucidas intus granulosas, dein opacas ferrugineas hilo instructas, facile deciduas gerentibus. Sub cortice putrescenti pali Castaneae. — Biella (Pedemont.) Aut. 850.
Cesati.

Fig. 229

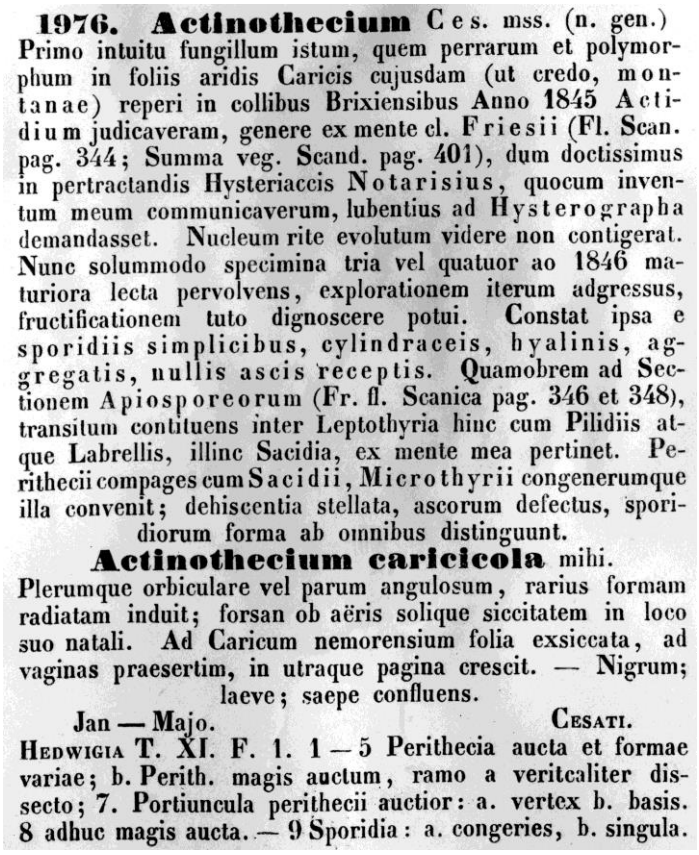
Actinothecium Ces. and *A. caricicola* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1976, 1855 [and Bot. Zeitung **13**: 300, 1855; Flora **38**: 272, 1855].
Notes: The new genus and new species were validly published with descriptions on the label of Klotzschii Herb. Viv. Mycol. 1976 (fig. 230).

Dactylium olivaceum Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1978, 1855 [and Bot. Zeitung **13**: 300, 1855; Flora **38**: 272, 1854], nom. nud.

Steirochaete solani Casp., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1980, 1855 [and Bot. Zeitung **13**: 300, 1855; Flora **38**: 285, 1854], nom. nud.

Chaetostroma cyperacearum Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1986, 1855 [and Bot. Zeitung **13**: 301, 1855; Flora **38**: 286, 1854].
≡ *Volutella cyperacearum* (Ces.) Sacc., Syll. Fung. **4**: 690, 1886.
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1986 (fig. 231).

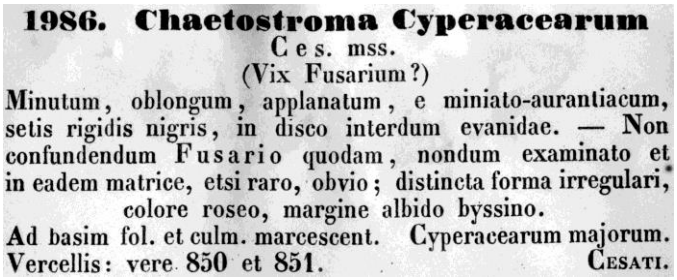
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1976. Actinothecium Ces. mss. (n. gen.)
Primo intuitu fungillum istum, quem perrarum et polymorphum in foliis aridis Caricis cujusdam (ut credo, montanae) reperi in collibus Brixiensibus Anno 1845 Actidium judicaveram, genere ex mente cl. Friesii (Fl. Scan. pag. 344; Summa veg. Scand. pag. 401), dum doctissimus in pertractandis Hysteriaccis Notarisius, quocum inventum meum communicaverum, lubentius ad Hysterographa demandasset. Nucleum rite evolutum videre non contigerat. Nunc solummodo specimina tria vel quatuor ao 1846 maturiora lecta pervolvens, explorationem iterum adgressus, fructificationem tuto dignoscere potui. Constat ipsa e sporidiis simplicibus, cylindraceis, hyalinis, aggregatis, nullis ascis receptis. Quamobrem ad Sectionem Apiosporeorum (Fr. fl. Scanica pag. 346 et 348), transitum contituens inter Leptothyria hinc cum Pilidiis atque Labrellis, illinc Sacidia, ex mente mea pertinet. Perithecii compages cum Sacidii, Microthyrii congenerumque illa convenit; dehiscentia stellata, ascorum defectus, sporidiorum forma ab omnibus distinguunt.

Actinothecium caricicola mihi.
Plerumque orbiculare vel parum angulosum, rarius formam radiatam induit; forsan ob aëris solique siccitatem in loco suo natali. Ad Caricum nemorensium folia exsiccata, ad vaginas praesertim, in utraque pagina crescit. — Nigrum; laeve; saepe confluens.
Jan — Majo. Cesati.
Hedwigia T. XI. F. 1. 1 — 5 Perithecia aucta et formae variae; b. Perith. magis auctum, ramo a veritcaliter dissecto; 7. Portiuncula perithecii auctior: a. vertex b. basis. 8 adhuc magis aucta. — 9 Sporidia: a. congeries, b. singula.

Fig. 230

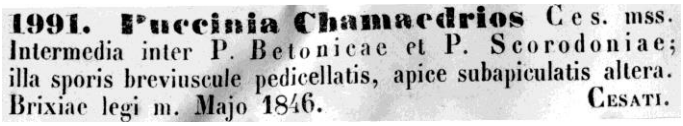


1986. Chaetostroma Cyperacearum
Ces. mss.
(Vix Fusarium?)
Minutum, oblongum, applanatum, e miniato-aurantiacum, setis rigidis nigris, in disco interdum evanidae. — Non confundendum Fusario quodam, nondum examinato et in eadem matrice, etsi raro, obvio; distincta forma irregulari, colore roseo, margine albido byssino.
Ad basim fol. et culm. marcescent. Cyperacearum majorum.
Vercellis: vere 850 et 851. Cesati.

Fig. 231

Puccinia pyrethri Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1990, 1855 [and Bot. Zeitung **13**: 301, 1855; Flora **38**: 286, 1854], nom. nud.
≡ ***Puccinia pyrethri*** Rabenh. ex Jacky, Centralbl. Bakteriol., 2. Abth., **18**: 87, 1907.
Notes: See comments under "*Puccinia pyrethri* A. Br., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1589, 1851."

Puccinia chamaedryos Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1991, 1855 [and Bot. Zeitung **13**: 301, 1855; Flora **38**: 286, 1854].
Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol. 1991 (fig. 232).



1991. Puccinia Chamaedrios Ces. mss.
Intermedia inter P. Betonicae et P. Scorodoniae; illa sporis breviuscule pedicellatis, apice subapiculatis altera.
Brixiae legi m. Majo 1846. Cesati.

Fig. 232

Uredo andropogonis Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1997, 1855 [and Bot. Zeitung **13**: 302, 1855; Flora **38**: 286, 1854], nom. illeg. (Art. 53.1), non Opiz, 1824.

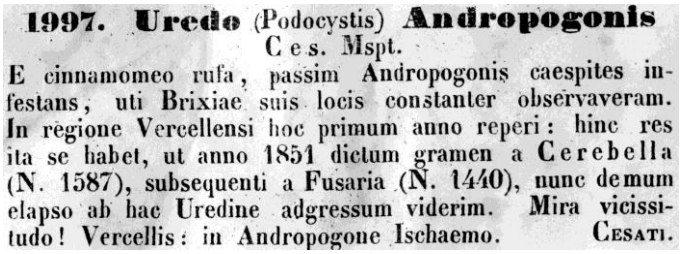
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≡ *Puccinia andropogonis* Fuckel [as "(Ces.) Fuckel"], Jahrb. Nassauischen Vereins Naturk. **23-24**: 59, [1869-70] 1870, nom. illeg. (Art. 53.1), non *Puccinia andropogonis* Schwein., 1832.

≡ ***Puccinia cesatii*** J. Schröt., in Cohn, Beitr. Biol. Pfl. **3**: 70, 1879.

= *Uredo andropogonis* Fuckel, Jahrb. Nassauischen Vereins Naturk. **15**: 16, 1860, nom. illeg. (Art. 53.1), non Opiz, 1824.

Notes: This species was published on the label of Klotzschii Herb. Viv. Mycol. 1997 with a description (fig. 233), but it is a younger homonym (nom. illeg.). Fuckel (l.c.) introduced the name *Puccinia andropogonis* as new species and cited *Uredo andropogonis* as synonym, but this name is also a younger homonym (nom. illeg.).



1997. Uredo (Podocystis) **Andropogonis**
C e s. Mspt.
E cinnamomeo rufa, passim Andropogonis caespites infestans, uti Brixiae suis locis constanter observaveram. In regione Vercellensi hoc primum anno reperi: hinc res ita se habet, ut anno 1851 dictum gramen a **Cerebella** (N. 1587), subsequenti a **Fusaria** (N. 1440), nunc demum elapso ab hac Uredine adgressum viderim. Mira vicissitudo! Vercellis: in Andropogone Ischaemo. CESATI.

Fig. 233

Tilletia lolii Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 20: no. 1999, 1855 [and Bot. Zeitung **13**: 302, 1855; Flora **38**: 286, 1854], nom. nud.

≡ ***Tilletia lolii*** Auersw. ex G. Winter, Rabenh. Krypt.-Fl., Edn 2 (Leipzig) **1.1**: 109, [1884] 1881.

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