

Annotated list of taxonomic novelties published in “*Fungi Rhenani Exsiccati*” Fasc. 1 to 7, issued by K. W. G. L. Fuckel in 1863

Uwe BRAUN & Konstanze BENSCH

Abstract: Braun, U. & Bensch, K. 2019: Annotated list of taxonomic novelties published in “*Fungi Rhenani Exsiccati*” Fasc. 1 to 7, issued by K. W. G. L. Fuckel in 1863. Schlechtendalia **36**: 103–131.

New taxa and new combinations published by K.W.G. L. Fuckel in “*Fungi Rhenani Exsiccati*” Fasc. 1 to 7 in 1863 are listed and annotated, supplemented by copies of the labels with the original descriptions or new combinations. References, citations and the synonymy are corrected when necessary. The nomenclature of some taxa is discussed in more detail.

Zusammenfassung: Braun, U. & Bensch, K. 2019: Kommentierte Liste taxonomischer Neuheiten publiziert in „*Fungi Rhenani Exsiccati*“ Fasz. 1 bis 7, herausgegeben von K. W. G. L. Fuckel im Jahr 1863. Schlechtendalia **36**: 103–131.

Neue Taxa und Kombinationen publiziert von K. W. G. L. Fuckel in “*Fungi Rhenani Exsiccati*” Fasc. 1 bis 7 im Jahr 1863 werden aufgelistet und annotiert, ergänzt durch Kopien der Etiketten mit den Originalbeschreibungen oder Kombinationen. Referenzangaben, Zitate und die Synonymie werden korrigiert falls notwendig. Die Nomenklatur einiger Taxa wird detaillierter besprochen.

Key words: Fungi, nomenclature, exsiccata.

Published online 18 Nov. 2019

Introduction

Karl Wilhelm Gottlieb Leopold Fuckel, a well-known German mycologist of the 19th century, was born on 3 Feb. 1821 at Reichelsheim (Wetterau) and died on 8 May 1876 in Vienna on the way back from Italy. Between 1836 and 1952, he worked as pharmacist and later, as owner of a vineyard at Oestrich (Rheingau), he devoted his efforts mainly to mycology. In 1860, he published an enumeration of fungi of the Nassau region (Fuckel 1860). Between 1863 and 1874, Fuckel distributed nos. 1–2700 of his exsiccata “*Fungi Rhenani Exsiccati*” (complete sets of “Fuckel, *Fungi Rhenani Exsiccati*” are maintained at FH, G and HAL. Scans of labels with taxonomic novelties, used for the present work, have been prepared on the basis of duplicates preserved at HAL (Herbarium, Martin Luther University, Halle (Saale), Germany). According to ICN, Art. 30.2 (Ex. 12), descriptions, new combinations and other taxonomic novelties 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 nomenclatural databases and taxonomic treatments.



Fig. 1. K. W. G. L. Fuckel, illustration published at the beginning of Fascicle 1 of *Fungi Rhennani Exsiccati*.

Fuckel (1870) published a monographic treatment of the fungi of Rhineland [also separately published in book form as “Symbolae mycologicae. Beiträge zur Kenntnis der rheinischen Pilze. Julius Niedner, Wiesbaden” and as facsimile edition, J. Cramer, Lehre 1966], with three supplements (Fuckel 1871, 1874, 1875), the first supplement also separately published in book form [Julius Niedner, Wiesbaden 1971–1875; and as facsimile edition, J. Cramer, Lehre 1966], and the second supplement as preprint published before 21 Jun. 1873 (see Stafleu & Cowan 1976). Fuckel’s herbarium is deposited in “Museum Wiesbaden, Naturwissenschaftliche Abteilung“ (WIES).

Annotated list of taxa

Fasc. 1

Peronospora pulveracea Fuckel, Fungi Rhen. Exs., Fasc. 1: no. 1, 1863 [Hedwigia 2(15): 132, 1863].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 1 (fig. 2).

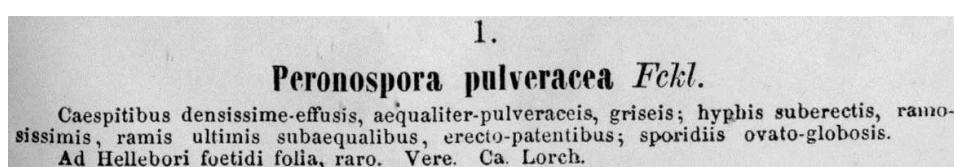


Fig. 2

Peronospora tomentosa Fuckel, Fungi Rhen. Exs., Fasc. 1: no. 15, 1863 [Hedwigia 2(15): 132, 1863].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 15 (fig. 3).

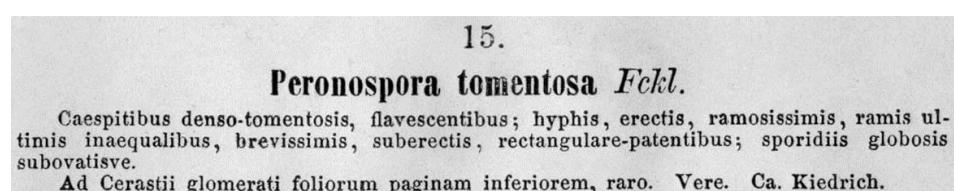


Fig. 3

Peronospora lepigoni Fuckel, Fungi Rhen. Exs., Fasc. 1: no. 21, 1863 [Hedwigia 2(15): 132, 1863].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 21 (fig. 4). Constantinescu (1991) listed *P. lepigoni* as a species of its own, although it is sometimes considered a synonym of *Peronospora obovata* Bonord.

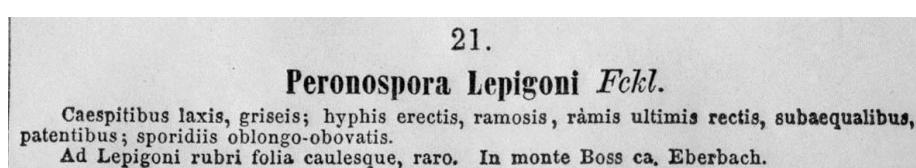


Fig. 4

Peronospora crispula Fuckel, Fungi Rhen. Exs., Fasc. 1: no. 23, 1863 [Hedwigia 2(15): 132, 1863].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 23 (fig. 5).

23.

Peronospora crispula Fckl.

Caespitibus laxis, dein in maculis exaridis; hyphis erectis, dichomoto-ramosis, ramis
crispulis, curvatis, ramulis ultimis inaequalibus, curvatis; sporidiis globosis.
In Resedae luteolae foliis, raro. Aestate. Mühlthal ca. Nassau.

Fig. 5

Peronospora conglomerata Fuckel, Fungi Rhen. Exs., Fasc. 1: no. 25, 1863 [Hedwigia 2(15): 132, 1863].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 25 (fig. 6).

25.

Peronospora conglomerata Fckl.

Caespitibus effusis e caespitulis glomeratis compositis, dein fuscis; hyphis erectis,
dichotomo ramosis, ramo ultimo longo, curvato, subultimo brevi, horizontaliter-patente;
sporidiis globosis, lutescentibus.
Ad Geranii pusilli folia, raro. Vere. Ca. Erbach.

Fig. 6

Peronospora galii Fuckel, Fungi Rhen. Exs., Fasc. 1: no. 30, 1863 [Hedwigia 2(15): 132, 1863].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 30 (fig. 7).

30.

Peronospora Galii Fckl.

Caespitibus densis, effusis; hyphis erectis, dichomoto-ramosis, ramis ultimis inaequa-
libus, rectis, obtusangulo-patentibus; sporidiis oblongo-ovatis.
Ad Galii Molluginis foliorum juniorium paginam inferiorem, raro. Vere. Ca. Eberbach.

Fig. 7

Peronospora sherardiae Fuckel, Fungi Rhen. Exs., Fasc. 1: no. 31, 1863 [Hedwigia 2(15): 132, 1863].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 31 (fig. 8).

31.

Peronospora Sherardiae Fckl.

Caespitibus laxis, griseis; hyphis erectis, ramosis, ramis ultimis brevissimis, patentibus,
rectis, inaequalibus; sporidiis subglobosis.
Ad Sh. arvensis folia, raro. Autumno. Ca. Neuhof.

Fig. 8

Peronospora valerianellae Fuckel, Fungi Rhen. Exs., Fasc. 1: no. 35, 1863 [Hedwigia 2(15): 132, 1863].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 35 (fig. 9).

35.

Peronospora Valerianellae Fckl.

Caespitibus floccosis, laxis, albidis; hyphis erectis, dichotomo-ramosis, ramis ulti-
mis subaequalibus, rectis, rectangulare-patentibus; sporidiis obovatis.
Ad V. carinatae folia, rarissime. Vere. Ca. Hostric iam.

Fig. 9

Peronospora candida Fuckel, Fungi Rhen. Exs., Fasc. 1: no. 38, 1863 [Hedwigia 2(15): 132, 1863].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 38 (fig. 10).

38.

Peronospora candida Fckl.

Caespitibus densis, candidis; hyphis erectis, dichomoto-ramosis, ramis ultimis brevibus, erecto-patulis; sporidiis ovatis.
Ad Anagallis caeruleae folia terminalia, raro. Aestate. Ca. Hostrichiam.

Fig. 10

Peronospora alta Fuckel, Fungi Rhen. Exs., Fasc. 1: no. 39, 1863 [Hedwigia 2(15): 133, 1863].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 39 (fig. 11).

39.

Peronospora alta Fckl.

Caespitibus laxis, in macula decolorata, griseis; hyphis erectis, longis, ramifications subocoties longioribus, inaequalibus, curvatis; sporidiis ovatis.
In Plantaginis majoris foliis, non raro. Vere. Hattenheim.

Fig. 11

Peronospora euphorbiae Fuckel, Fungi Rhen. Exs., Fasc. 1: no. 40, 1863 [Hedwigia 2(15): 133, 1863].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 40 (fig. 12).

40.

Peronospora Euphorbiae Fckl.

Caespitibus laxis, albidis; hyphis erectis, crispulo-ramosis, ramis ultimis brevissimis, rectis, inaequalibus, rectangulariter-patentibus; sporidiis globosis.
In Euphorbiae platyphyllae foliorum juniorum pagina inferiore, raro. Aestate. Ca. Hostrichiam.

Fig. 12

Peronospora alliorum Fuckel, Fungi Rhen. Exs., Fasc. 1: no. 41, 1863 [Hedwigia 2(15): 133, 1863].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 41 (fig. 13).

41.

Peronospora Alliorum Fckl.

Caespitibus laxis, late-effusis, tenuissimis, nudo oculo vix conspicuis, glaucis: hyphis erectis, dichomoto-ramosis; ramis primariis flexuosis, ultimis subaequalibus, rectis subcurvatisve, crassis; sporidiis magnis, oblongo-obovatis subellipticisve, fuscis. Species valde distincta est!

Ad Allii Cepae folia viva etiam subflaccida, raro. Aestate. In horto meo.

Fig. 13

Cylindrium carneum Fuckel, Fungi Rhen. Exs., Fasc. 1: no. 56, 1863 [Hedwigia 2(15): 133, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 347 (1869-70) 1870].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 56 (fig. 14).

56.

Cylindrium carneum Fckl.

Sporidiis cylindraceis, latitudine duplo longioribus, ramoso-concatenatis, carneis.
Ad Quercus folia arida, carneum tegimentum formans, rarissime. Autumno. In sylva Hostrichensi.

Fig. 14

Torula centaurii Fuckel, Fungi Rhen. Exs., Fasc. 1: no. 66, 1863 [Hedwigia 2(15): 133, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 87 (1869-70) 1870].

≡ *Taeniolina centaurii* (Fuckel) M.B. Ellis, More Dematiaceous Hyphomycetes (Kew): 62, 1976.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 66 (fig. 15).

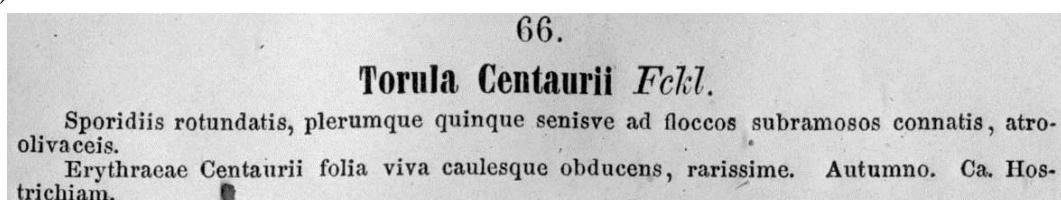


Fig. 15

Alysidium caesium Fuckel, Fungi Rhen. Exs., Fasc. 1: no. 73, 1863 [Hedwigia 2(15): 133, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 349 (1869-70) 1870].

≡ *Torula caesia* (Fuckel) Sacc., Syll. fung. (Abellini) 4: 251, 1886.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 73 (fig. 16).



Fig. 16

Sporidesmium scirpicola Fuckel, Fungi Rhen. Exs., Fasc. 1: no. 78, 1863 [Hedwigia 2(15): 133, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 140 (1869-70) 1870].

≡ *Alternaria scirpicola* (Fuckel) Sivan., Bitunicate Ascomycetes and their Anamorphs (Vaduz): 526, 1984.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 78 (fig. 17).

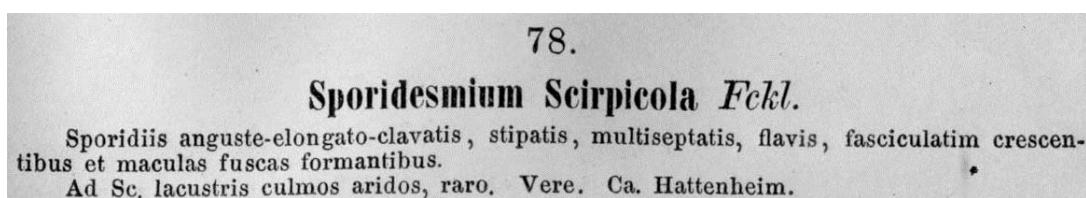


Fig. 17

Coniothyrium cruciatum Fuckel, Fungi Rhen. Exs., Fasc. 1: no. 92, 1863 [Hedwigia 2(15): 133, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 173 (1869-70) 1870].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 92 (fig. 18).

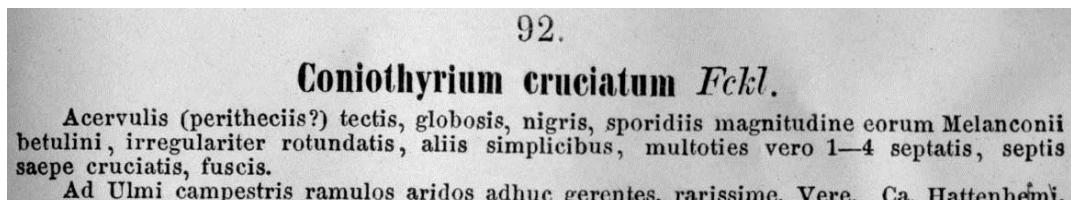


Fig. 18

Fasc. 2

Cryptosporium coronatum Fuckel, Fungi Rhen. Exs., Fasc. 2: no. 102, 1863 [Hedwigia 2(15): 133, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 193 (1869-70) 1870].

= *Phacostromella coronata* (Fuckel) Petr., Sydowia 9(1-6): 480, 1955.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 102 (fig. 19).



Fig. 19

Passalora polythrincoides Fuckel, Fungi Rhen. Exs., Fasc. 2: no. 103, 1863 [Hedwigia 2(15): 133, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 353 (1869-70) 1870].

= *Passalora depressa* (Berk. & Broome) Sacc., Nuovo Giorn. Bot. Ital. 8(2): 187, 1876.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 103 (fig. 20).

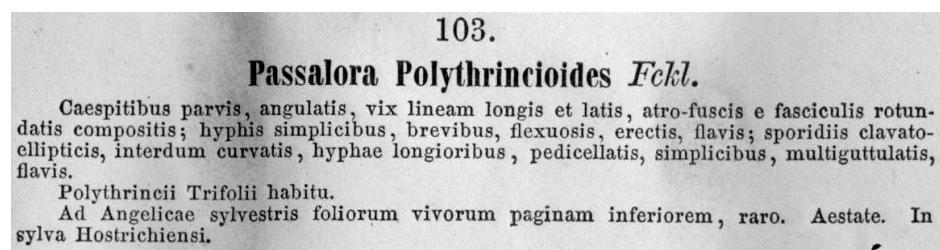


Fig. 20

Cladosporium punctiforme Fuckel, Fungi Rhen. Exs., Fasc. 2: no. 116, 1863 [Hedwigia 2(15): 133, 1863].

= *Pseudocercospora saniculae-europaea* (E. Müll. & Arx) U. Braun & Crous,
Mycosphaerella and its anamorphs: 1. Names published in *Cercospora* and *Passalora*: 365,
2003.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 116 (fig. 21).

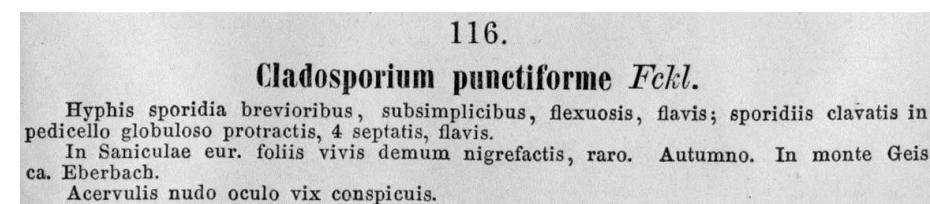


Fig. 21

Cercospora Fresen. ex Fuckel, Fungi Rhen. Exs., Fasc. 2: no. 117, 1863 [Hedwigia 2(15): 133, 1863] and

Cercospora penicillata (Ces.) Fuckel (as “(Ces.) Fresen.”), Fungi Rhen. Exs., Fasc. 2: no. 117, 1863 [Hedwigia 2(15): 133, 1863].

= *Passalora penicillata* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 587, 1857 [Bot. Zeitung 15: 429 1857; Flora 40: 383, 1857].

= *Phaeoramularia penicillata* (Ces.) X.J. Liu & Y.L. Guo, Acta Phytopathol. Sin. 12(4): 13, 1982.

= *Exosporium depazeoides* Desm., Ann. Sci. Nat., Bot., Sér. 3, 11(2): 364, 1849.

≡ *Cercospora depazeoides* (Desm.) Sacc., Mycoth. Ven.: no. 187, 1875.

≡ *Pseudocercospora depazeoides* (Desm.) U. Braun & Crous, in Braun, Crous & Nakashima, IMA Fungus 6(2): 420, 2015 and

Cercospora penicillata f. *apii* Fuckel, Fungi Rhen. Exs., Fasc. 2: no. 117, 1863 [Hedwigia 2(15): 133, 1863].

Notes: The name of the genus *Cercospora* and the new combination *C. penicillata* were validly published by Fuckel on the label of Fungi Rhen. Exs. 117 (fig. 22). Furthermore, f. *apii* is also a valid forma name published as host forma. The complicated nomenclature and taxonomy of *Cercospora depazeoides* and *C. penicillata*, including the typification of *Cercospora*, have been discussed by Braun & Crous (2016).

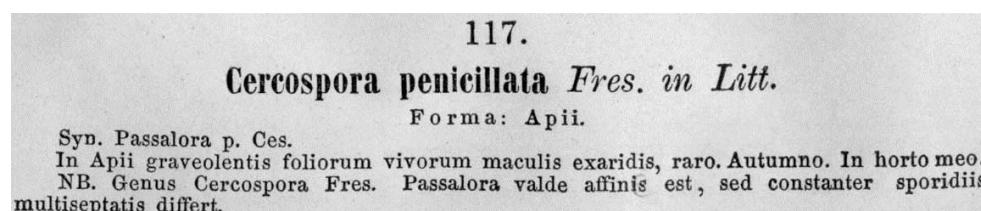


Fig. 22

Cercospora penicillata f. *opuli* Fuckel, Fungi Rhen. Exs., Fasc. 2: no. 118, 1863.

= *Cercospora opuli* Höhn., Fungi Imperfecti Exsiccati Fasc. 9: no. 445, 1907.

≡ *Pseudocercospora opuli* (Höhn.) U. Braun & Crous, *Mycosphaerella* and its anamorphs: 1. Names published in *Cercospora* and *Passalora*: 299, 2003.

Notes: Although published without description or diagnosis, this forma is validly published as host forma (fig. 23).

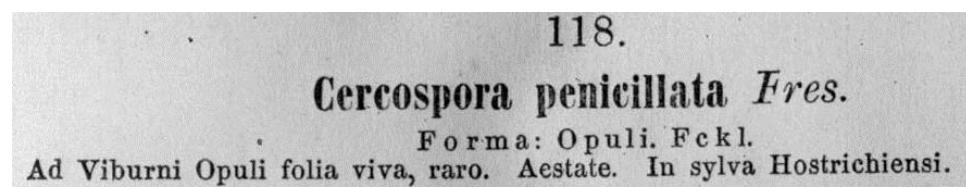


Fig. 23

Cercospora penicillata f. *chenopodii* Fuckel, Fungi Rhen. Exs., Fasc. 2: no. 119, 1863.

= *Cercospora chenopodii* Fresen., Beitr. Mykol.: 92. 1863.

Notes: Although published without description or diagnosis, this forma is validly published as host forma (fig. 24). The nomenclature, phylogeny and taxonomy of this cercosporoid fungus has been discussed in detail in Groenewald et al. (2013: 148). Although characterized by having unusually broad obclavate conidia with few septa, this species pertains to *Cercospora* s. str. as proven with a phylogenetic multilocus examination.



Fig. 24

Cercospora ferruginea Fuckel, Fungi Rhen. Exs., Fasc. 2: no. 120, 1863 [Hedwigia 2(15): 134, 1863].

≡ *Ragnhildiana ferruginea* (Fuckel) U. Braun, C. Nakash., Videira & Crous, Stud. Mycol. 87: 343, 2017.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 120 (fig. 25).

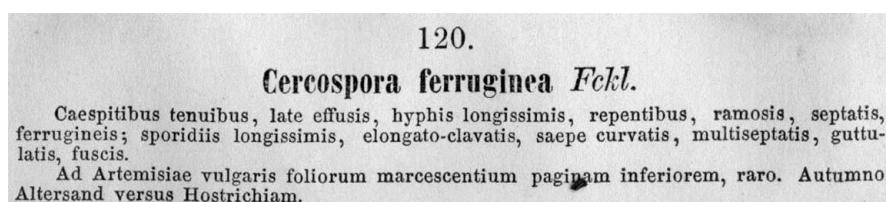


Fig. 25

Scolicotrichum graminis Fuckel, Fungi Rhen. Exs., Fasc. 2: no. 130, 1863 [Hedwigia 2(15): 134, 1863].

≡ *Graminopassalora graminis* (Fuckel) U. Braun, C. Nakash., Videira & Crous, Stud. Mycol. 87: 308, 2017.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 130 (fig. 26).

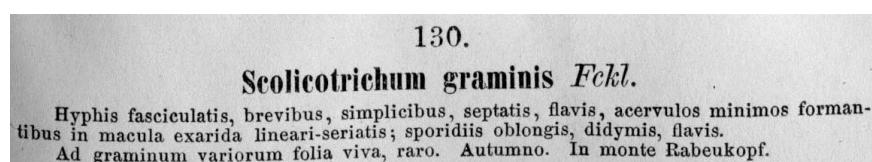


Fig. 26

Briarea aurea Fuckel, Fungi Rhen. Exs., Fasc. 2: no. 144, 1863 [Hedwigia 2(15): 134, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 359 (1869-70) 1870].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 144 (fig. 27).



Fig. 27

Aspergillus ferrugineus Fuckel, Fungi Rhen. Exs., Fasc. 2: no. 157, 1863, nom. illeg. (Art. 53.1) [Hedwigia 2(15): 134, 1863], non Link, 1824.

Notes: This is an illegitimate name (homonym) with a description on the label of Fungi Rhen. Exs. 157 (fig. 28).

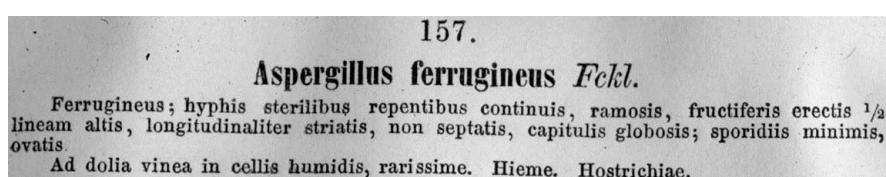


Fig. 28

Acremonium vaccinii Fuckel, Fungi Rhen. Exs., Fasc. 2: no. 158, 1863 [Hedwigia 2(15): 134, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 362 (1869-70) 1870].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 158 (fig. 29).

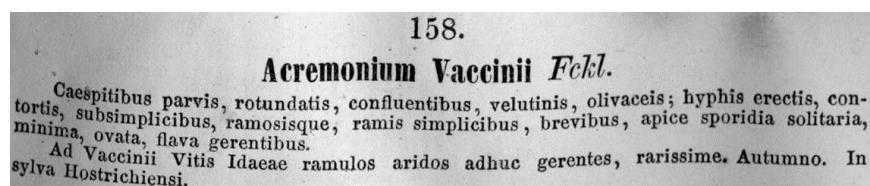


Fig. 29

Anthina aeruginosa Fuckel, Fungi Rhen. Exs., Fasc. 2: no. 168, 1863 [Hedwigia 2(15): 134, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 365 (1869-70) 1870].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 168 (fig. 30).

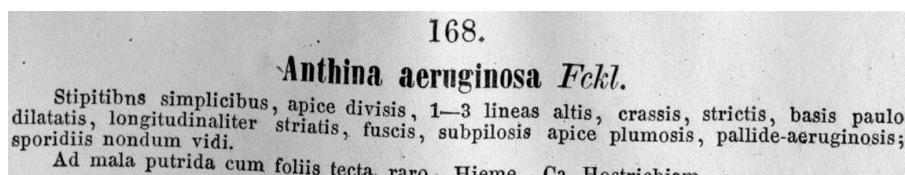


Fig. 30

Stysanus sphaeriiformis Fuckel (as “*sphaeriaeformis*”), Fungi Rhen. Exs., Fasc. 2: no. 173, 1863 [Hedwigia 2(15): 134, 1863].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 173 (fig. 31).

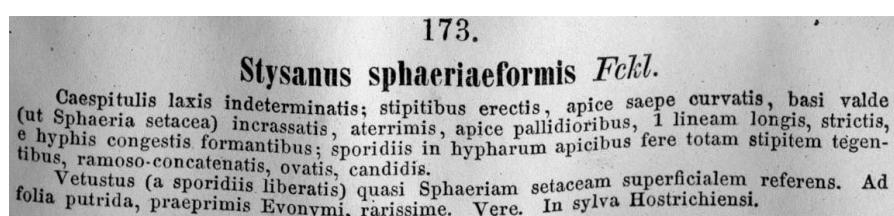


Fig. 31

Stysanus pusillus Fuckel, Fungi Rhen. Exs., Fasc. 2: no. 174, 1863 [Hedwigia 2(15): 134, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 101 (1869-70) 1870].

≡ *Phacellium episphaerium* (Desm.) U. Braun, Nova Hedwigia 50: 509, 1990.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 174 (fig. 32).

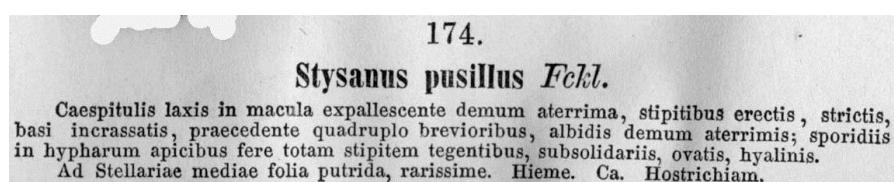


Fig. 32

Sphaeridium flavovirens Fuckel, Fungi Rhen. Exs., Fasc. 2: no. 180, 1863 [Hedwigia 2(15): 134, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 309 (1869-70) 1870].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 180 (fig. 33).



Fig. 33

Leptostroma cytisi Fuckel, Fungi Rhen. Exs., Fasc. 2: no. 195, 1863 [Hedwigia 2(15): 134, 1863].

= *Leptothyrium cytisi* (Fuckel) Fuckel Jahrb. Nassauischen Vereins Naturk. 23-24: 383 (1869-70) 1870.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 195 (fig. 34). *Leptostroma cytisi* was cited as basionym for *Leptothyrium cytisi* (*Actinothyrium cytisi* Fuckel, Bot. Zeitung (Berlin) 19(35): 249, 1861 was neither mentioned under *Leptostroma cytisi* nor under *Leptothyrium cytisi*, although sometimes cited as basionym for the latter name).

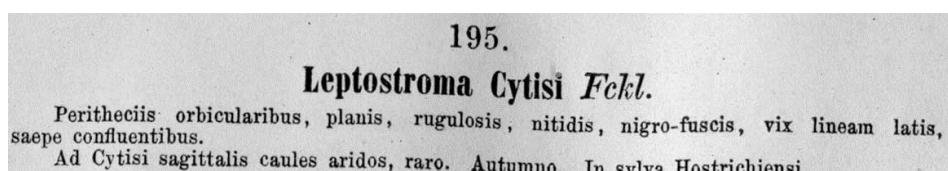


Fig. 34

Leptostroma laricinum Fuckel, Fungi Rhen. Exs., Fasc. 2: no. 196, 1863 [Hedwigia 2(15): 134, 1863].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 196 (fig. 35).

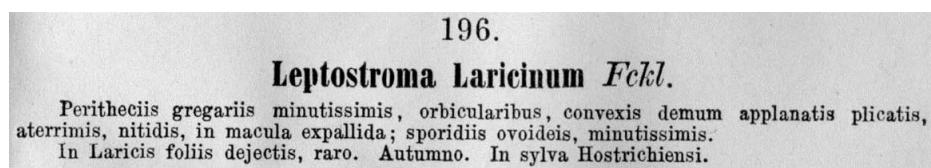


Fig. 35

Fasc. 3

Fusarium violaceum Fuckel, Fungi Rhen. Exs., Fasc. 3: no. 209, 1863 [Hedwigia 2(15): 135, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 369 (1869-70) 1870].

= *Fusarium caeruleum* Lib. ex Sacc. [as “caeruleum”], Syll. Fung. 4: 705, 1886 [based on *Selenosporium caeruleum* Lib., in herb.].

= *Fusarium caeruleum* var. *cellulosae* Sartory, R. Sartory, J. Mey. & Bamuli, Papier 38(1): 43, 1935.

= *Fusarium solani* var. *caeruleum* (Lib. ex Sacc.) Bilai [as “coeruleum”], Fuzarii: 287, 1955.

= *Fusarium solani* var. *caeruleum* (Lib. ex Sacc.) C. Booth [as “coeruleum”], *The Genus Fusarium*: 51, 1971.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 209 (fig. 36). *Fusarium violaceum* P. Crouan & H. Crouan, Florule Finistère (Paris): 14, 1867, is a younger homonym (nom. illeg.) of Fuckel’s name.

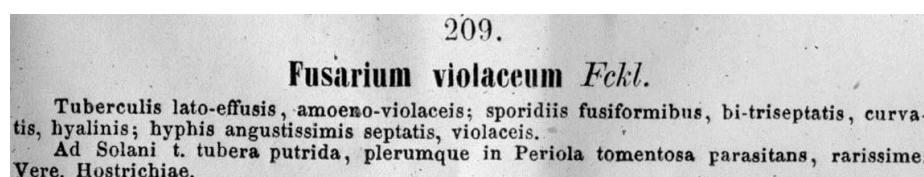


Fig. 36

Fusarium sambucinum Fuckel, Fungi Rhen. Exs., Fasc. 3: no. 211, 1863 [Hedwigia 2(15): 135, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 167 (1869-70) 1870].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 211 (fig. 37).

211.

Fusarium sambucinum Fckl.Syn. *F. s.* Brond.?

Tuberculis minutis, carneis, rotundatis, ellipticisve, primo epidermide tectis dein libe-
ris; sporidiis in hypharum apicibus, fusiformibus, curvatis, triseptatis, hyalinis.
Ad Sambuci nigrae ramos juniores emortuos, frequens. Hieme.

Fig. 37

Fusarium sphaeriae Fuckel, Fungi Rhen. Exs., Fasc. 3: no. 212, 1863 [Hedwigia 2(15): 135, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 370 (1869-70) 1870].

≡ *Macroconia sphaeriae* (Fuckel) Gräfenhan & Schroers, in Gräfenhan, Schroers, Nirenberg & Seifert, Stud. Mycol. 68: 103, 2011.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 212 (fig. 38).

212.

Fusarium Sphaeriae Fckl.

Tuberculis minimis, irregulariter rotundatis effusisque, amoeno-carneis; sporidiis an-
guste fusiformibus filiformibusve, curvatis, 4—5 septatis, utrinque obtusis, hyalinis.
Ad Sphaeriae doliorum vetustae ostiola, in Urtica dioica, rarissime. Vere. Ca. Hostrichiam.

Fig. 38

Fusarium minimum Fuckel, Fungi Rhen. Exs., Fasc. 3: no. 213, 1863 [Hedwigia 2(15): 135, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 370 (1869-70) 1870].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 213 (fig. 39).

213.

Fusarium minimum Fckl.

Tuberculis minutissimis, punctiformibus, hemisphaericis saepe confluentibus, cinna-
barinis; sporidiis minutis, fusiformibus, curvatis, septatis.
Ad graminum, praeceps frumenti folia putrida expallescens, saepe sub nive, non
raro. Primo vere. Hostrichiae.

Fig. 39

Fusidium roseum Fuckel, Fungi Rhen. Exs., Fasc. 3: no. 219, 1863, nom. illeg. (Art. 53.1) [Hedwigia 2(15): 135, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 370 (1869-70) 1870], non (Link) Link, 1816.

≡ *Ramularia rosea* Sacc. [as “(Fuckel) Sacc.”], Fungi ital. del., Tab. 1001, 1881.

Notes: This is an illegitimate name (younger homonym) published with a description on the label of Fungi Rhen. Exs. 219 (fig. 40).

219.

Fusidium roseum Fckl.

Sporidiis fusiformibus, rectis, multiguttulatis, carneo-roseis, demum expallescens.
Salicis triandrae foliorum vivorum paginam inferiorem densissime obducens, raro.
Autumno. Ca. Hostrichiam.

Fig. 40

Fusidium vaccinii f. vaccinii-myrtilli Fuckel, Fungi Rhen. Exs., Fasc. 3: no. 220, 1863.

≡ *Exobasidium vaccinii-myrtilli* (Fuckel) Juel, Svensk Bot. Tidskr. 6(3): 364, 1912.

Notes: Although published without description or diagnosis, this forma is validly published as host forma (fig. 41).

220.

Fusidium (Fusoma Cd. ?) Vaccinii Fckl.

in bot. Ztg. 1861. Nro. 35.

1. Forma: Vaccinii Myrtilli.

In ejusdem foliorum vivorum juniorum pagina inferiore, non frequens. Aestate.
In monte Zange.

Fig. 41

Fusidium coccineum Fuckel, Fungi Rhen. Exs., Fasc. 3: no. 222, 1863 [Hedwigia 2(15): 135, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 370 (1869-70) 1870].

≡ *Ramularia coccinea* (Fuckel) Vestergr., Micromyc. Rar. Sel. Praec. Scand.: no. 148, 1899.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 222 (fig. 42).

222.

Fusidium coccineum Fckl.

Acervulis minimis, granulatis, coccineis, in macula primo purpurea dein exarida;
sporidiis elongatis utrinque acutis, diaphanis.

Ad Veronicae officinalis folia viva, rarissime. Autumno exeunte. Ca. Budenheim.

Fig. 42

Cladobotryum gelatinosum Fuckel, Fungi Rhen. Exs., Fasc. 3: no. 227, 1863 [Hedwigia 2(15): 135, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 360 (1869-70) 1870].

≡ *Dendrodochium gelatinosum* (Fuckel) Höhn., Sitzungsber. Kaiserl. Akad. Wiss., Wien Math.-Naturwiss. Cl., Abt. 1, 119: 665, 1910.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 227 (fig. 43).

227.

Cladobotryum (?) gelatinosum Fckl.

Acervulis hemisphaericis, plerumque seminis Erucae magnitudine, primo candidis,
gelatinosis, dein fuscis, applanatis, induratis; hyphis dichotomo-ramosis, pellucidis, ramis
ultimis clavatis, bi-tricoccis; sporidiis ovato-oblongis, simplicibus, 2-8 in ramorum apici-
bus, hyalinis.

Ad Populi pyramidalis truncos putridos, valde humidos, rarissime. Hieme. Ca. Hat-
tenheim.

Fig. 43

Aecidium scillae Fuckel, Fungi Rhen. Exs., Fasc. 3: no. 282, 1863 [Hedwigia 2(15): 135, 1863].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 282 (fig. 44).

282.

Aecidium Scillae Fckl.

Sacculis cylindraceis, albis, margine laceratis, in circulo oblongo dispositis, in macula
expallescente; sporidiis irregulariter rotundatis, aurantiacis.
In Scillae bifoliae foliis, rarissime. Vere. Altersand versus Hostrichiam.

Fig. 44

Peridermium oblongisporium Fuckel, Fungi Rhen. Exs., Fasc. 3: no. 287, 1863 [Hedwigia 2(15): 135, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 42 (1869-70) 1870].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 287 (fig. 45).

287.

Peridermium oblongisporium Fckl.

Sacculis plano-compressis, niveis, e foliorum rima longitudinali erumpentibus; spori-
diis oblongis, nunquam rotundatis, atro-aurantiacis.

Syn. P. Pini Wllr. p. p., Fckl. En. 23. β . b.

Ad Pini sylvestris folia viva, frequens, sed non quotannis. Vere.

Fig. 45

Melampsora carpini (Rabenh.) Fuckel, Jahrb. Nassauischen Vereins Naturk. **15**: 5, 1860 [Fungi Rhen. Exs., Fasc. **3**: no. 294, 1863].

≡ *Epitea longicapsula* (DC.) Rabenh. f. *carpini* Rabenh., Fungi Eur. Exs. (Klotzschii Herb. Viv. Mycol. Continuatio), Ed. Nov., Ser. Sec., Cent. 1, no. 95, 1859 [Bot. Zeit. **17**: 629, 1859; Flora **42**: 436, 1859;].

Notes: The combination (comb. et stat. nov.) *Melampsora carpini* was validly published by Fuckel (1860), based on *Epitea longicapsula* f. *carpini*, which is a validly published host forma. *Caeoma carpini* Nees, sometimes considered the basionym for this combination, was neither cited in Fuckel (1860) nor in Fungi Rhen. Exs. 294, 1863 (fig. 46).



Fig. 46

Melampsora epilobii Fuckel, Fungi Rhen. Exs., Fasc. **3**: no. 300, 1863.

= *Pucciniastrum epilobii* G.H. Otth, Mitth. Naturf. Ges. Bern **476-479**: 72, 1861.

Notes: *Melampsora epilobii* was validly published on the label of Fungi Rhen. Exs. 300 (fig. 47). A detailed discussion of the nomenclature and taxonomy of this species has recently been published by Scholler *et al.* (2019).



Fig. 47

Fasc. 4

Puccinia brachypodii Fuckel, Fungi Rhen. Exs., Fasc. **4**: no. 323, 1863, nom. illeg. (Art. 53.1) [Hedwigia **2**(15): 135, 1863], non G.H. Otth, 1861.

Notes: This is an illegitimate name published with a description on the label of Fungi Rhen. Exs. 323 (fig. 48).

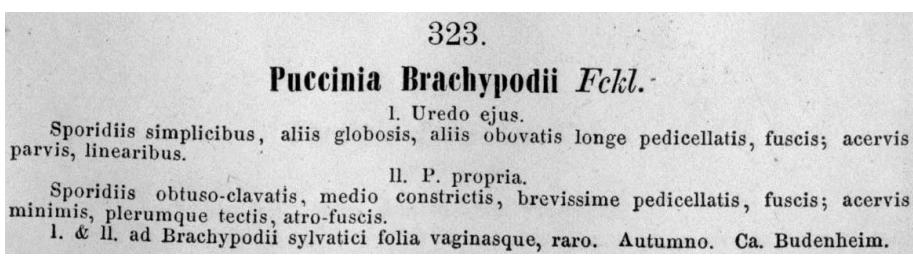


Fig. 48

Puccinia millefolii Fuckel, Fungi Rhen. Exs., Fasc. **4**: no. 349, 1863 [Hedwigia **2**(15): 136, 1863 and Jahrb. Nassauischen Vereins Naturk. **23-24**: 55 (1869-70) 1870].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 349 (fig. 49).

349.

Puccinia Millefolii Fckl.

P. propria.

Sporidiis oblongo-clavatis, medio paulo constrictis, articulo inferiore obconico, superiore ovato, obtuso apiculatove, fuscis, stipitibus longe, deorsum dilatatis; acervulis minutis, hemisphaericis, fuscis.

In Achilleae Millefolii foliorum pagina inferiore, rarissime. Aestate. Ca. Hostrichiam.

Fig. 49

Puccinia artemisiae Fuckel, Fungi Rhen. Exs., Fasc. 4: no. 350, 1863, nom. illeg. (Art. 52.1).

Notes: This is an illegitimate species name. *Puccinia artemisiarum* Duby, Bot. Gall., Ed. 2, 2: 888, 1830 was cited as synonym (fig. 50).

350.

Puccinia Artemisiae Fckl.

I. Uredo ejus.

Syn. U. *Artemisiae* DC.

Ad A. *Absynthii* folia, raro. Autumno. Ca. Bacharach.

Syn. P. *Artemisiarum* Duby. II. P. propria.

Ad A. *vulgaris* folia, raro. Autumno. Ca. Biebrich.

Fig. 50

Puccinia asperulae Fuckel, Fungi Rhen. Exs., Fasc. 4: no. 352, 1863 [Hedwigia 2(15): 136, 1863 and Jahrb. Nassauischen Vereins Naturk. 23-24: 56 (1869-70) 1870].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 352 (fig. 51).

352.

Puccinia Asperulae Fckl.

Sporidiis oblongis, medio constrictis, articulo superiore inferiori subaequali, fuscis, stipitibus angustis, capitulo subaequantibus, hyalinis; acervulis elevatis, demum liberis, atro-fuscis, cum Uredinis sporidiis globosis, asperis, commixtis.

Ad Asperulae odoratae folia, rarissime. Aestate. In monte Rabenkopf prope Hostrichiam.

Fig. 51

Puccinia moehringiae Fuckel, Fungi Rhen. Exs., Fasc. 4: no. 364, 1863 [and Fuckel, Jahrb. Nassauischen Vereins Naturk. 23-24: 51 (1869-70) 1870, nom. nud. (Art. 38.1)].

Notes: Fuckel (1870) cited *Puccinia arenariae-serpyllifoliae* DC., Fl. franç., Edn 3 (Paris) 5/6: 55, 1815 as synonym (fig. 52).

364.

Puccinia Möhringiae Fckl.

P. propria.

Syn. P. *Arenariae* trinerv. Wllr

Ad M. *trinerviae* folia, frequens. Aestate.

Fig. 52

Puccinia mixta Fuckel, Fungi Rhen. Exs., Fasc. 4: no. 377, 1863 [Jahrb. Nassauischen Vereins Naturk. 23-24: 58 (1869-70) 1870].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 377 (fig. 53).



Fig. 53

Uromyces silenes (Schltdl.) Fuckel, Fungi Rhen. Exs., Fasc. 4: no. 392, 1863 [Jahrb. Nassauischen Vereins Naturk. 23-24: 61 (1869-70) 1870].

≡ *Caeoma silenes* Schltdl., Fl. berol. 2: 128, 1824.

≡ *Uredo silenes* (Schltdl.) Rabenh., Deutschl. Krypt.-Fl. 1: 6, 1844.

Notes: This is a combination validly published on the label of Fungi Rhen. Exs. 392 (fig. 54).

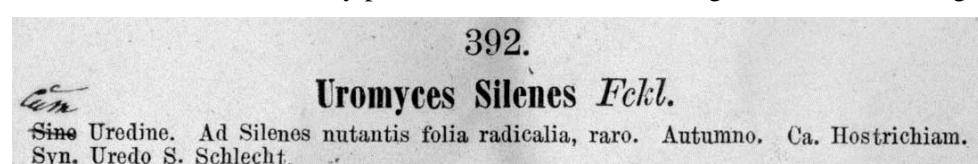


Fig. 54

Uromyces scrophulariae Fuckel, Fungi Rhen. Exs., Fasc. 4: no. 395, 1863.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 395 (fig. 55). *Aecidium scrophulariae* DC. was not cited as synonym. *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] is a nom. nud. (see Braun 2018: 14).

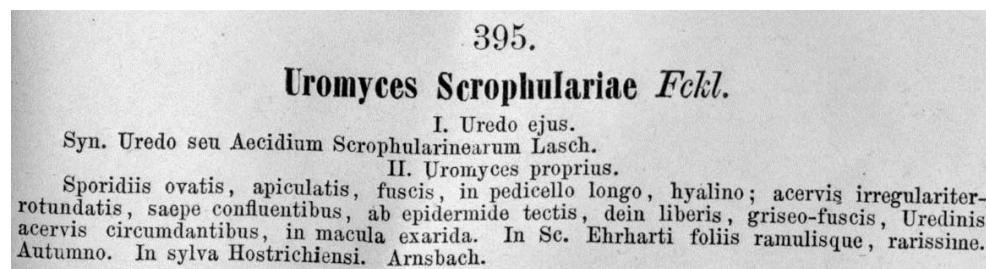


Fig. 55

Uromyces polygoni (Rabenh.) Fuckel, Fungi Rhen. Exs., Fasc. 4: no. 399, 1863 [Jahrb. Nassauischen Vereins Naturk. 23-24: 64 (1869-70) 1870].

≡ *Capitularia polygoni* Rabenh., Bot. Zeitung (Berlin) 9(25): 449, 1851.

= *Uromyces polygoni-avicularis* (Pers.) G.H. Otth, Mitth. Naturf. Ges. Bern 531-552: 87, [1863] 1864.

Notes: This is a combination validly published on the label of Fungi Rhen. Exs. 399 (fig. 56).

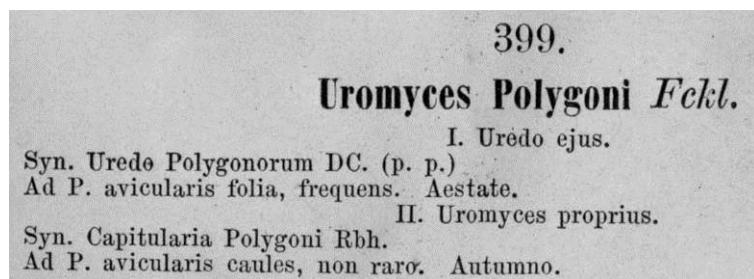


Fig. 56

Fasc. 5

Uromyces scillae Fuckel, Fungi Rhen. Exs., Fasc. 5: no. 401, 1863 [Hedwigia 3(10): 156, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 401 (fig. 57).



Fig. 57

Stigmatea petasitis Fuckel [as "petasitidis"], Fungi Rhen. Exs., Fasc. 5: no. 426, 1863 [Hedwigia 3(10): 156, 1864].

≡ *Epipolaeum petasitiis* (Fuckel) E. Müll. [as "petasitidis"], in Müller & von Arx, Beitr. Kryptfl. Schweiz 11(2): 486, 1962).

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 426 (fig. 58).

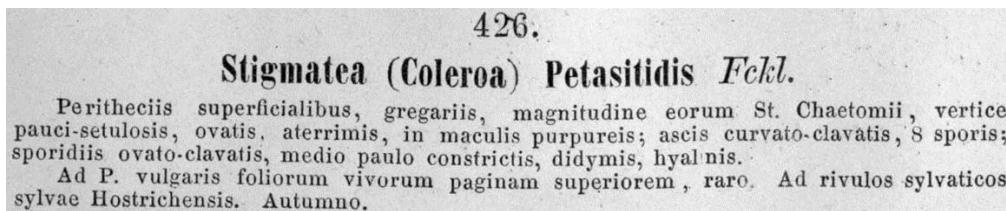


Fig. 58

Labrella nervisequa Fuckel, Fungi Rhen. Exs., Fasc. 5: no. 427, 1863 [Hedwigia 3(10): 156, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 427 (fig. 59).

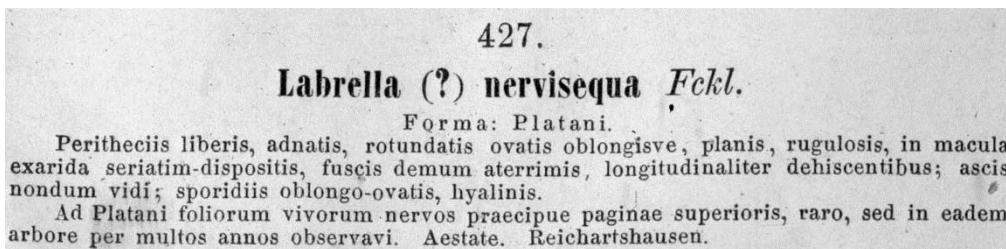


Fig. 59

Labrella nervisequa f. *quercus* Fuckel, Fungi Rhen. Exs., Fasc. 5: no. 428, 1863 [Hedwigia 3(10): 156, 1864].

Notes: This is a forma (substrate form) validly published on the label of Fungi Rhen. Exs. 428 (fig. 60).

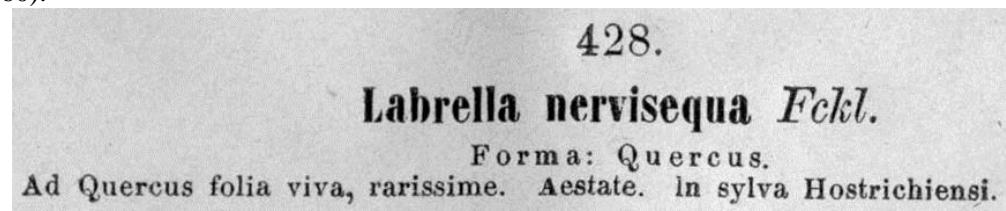


Fig. 60

Depazea bupleuri Fuckel, Fungi Rhen. Exs., Fasc. 5: no. 446, 1863 [Hedwigia 3(10): 156, 1864].

≡ *Asteromella bupleuri* (Fuckel) Aa, in van der Aa & Vanev, *A Revision of the Species Described in Phyllosticta*: 116, 2002.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 446 (fig. 61).

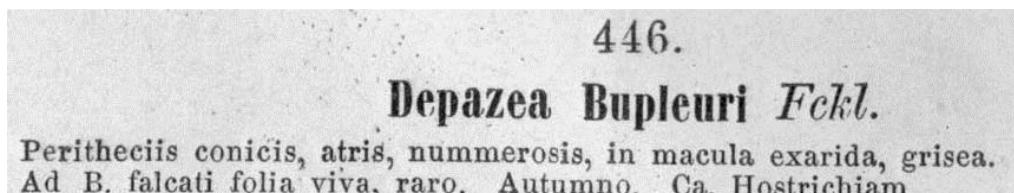


Fig. 61

Discosia cynosbati Fuckel, Fungi Rhen. Exs., Fasc. 5: no. 455, 1863 [Hedwigia 3(10): 156, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 455 (fig. 62).

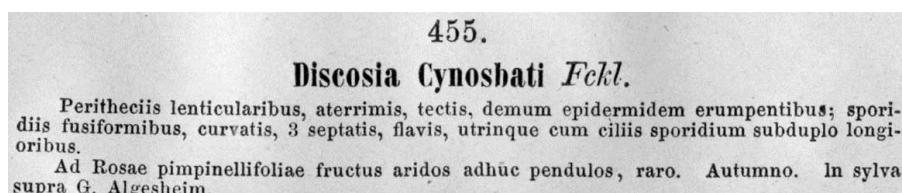


Fig. 62

Actinonema populorum Fuckel, Fungi Rhen. Exs., Fasc. 5: no. 458, 1863 [Hedwigia 3(10): 156, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 458 (fig. 63).



Fig. 63

Ascospora mali Fuckel, Fungi Rhen. Exs., Fasc. 5: no. 469 1863 [Hedwigia 3(10): 156, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 469 (fig. 64).



Fig. 64

Ascochyta armoraciae Fuckel, Fungi Rhen. Exs., Fasc. 5: no. 486, 1863 [Hedwigia 3(10): 157, 1864].

≡ *Sphaerella armoraciae* (Fuckel.) Oudem., Fungi Neerl. Exs. no. 170, 1877.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 486 (fig. 65). *Ascochyta armoraciae* Cooke, 1865, nom. illeg., is a younger homonym (Art. 53.1) of Fuckel's name.

486.

Ascochyta Armoraciae Fckl.

Peritheciis conicis, atris, sparsis, in macula expallescente.
In Aromoraciae rusticanae foliis vivis, frequens. Autumno.

Fig. 65

Ascochyta medicaginis Fuckel, Fungi Rhen. Exs., Fasc. 5: no. 488, 1863 [Hedwigia 3(10): 157, 1864].

≡ *Phyllosticta medicaginis* (Fuckel) Sacc., Syll. Fung. 3: 42, 1884.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 488 (fig. 66).

488.

Ascochyta Medicaginis Fckl.

Peritheciis immersis, atris, perforatis, apice globulo diaphano gerentibus, in macula aurantiaca; sporidiis minimis cylindraceis, curvatis, hyalinis.
In M. falcatae foliis vivis decoloratis, raro. Aestate. Ca. Hostrichiam.

Fig. 66

Ascochyta vulnerariae Fuckel, Fungi Rhen. Exs., Fasc. 5: no. 489, 1863 [Hedwigia 3(10): 157, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 489 (fig. 67).

489.

Ascochyta Vulnerariae Fckl.

Peritheciis hemisphaericis, aterrimitis, in macula purpurascente.
In Anthyllis V. foliis radicalibus, raro. Autumno. In sylva ca. Budenheim.

Fig. 67

Ascochyta obducens Fuckel, Fungi Rhen. Exs., Fasc. 5: no. 491, 1863 [Hedwigia 3(10): 157, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 491 (fig. 68).

491.

Ascochyta obducens Fckl.

Peritheciis conicis, minimis, atris, numerosissimis, in macula exarida, demum foliorum paginam inferiorem toto obducentibus.
Ad Apiraeae Ulmariae folia viva et marcescentia, non frequens. Autumno. In sylva Hostrichensi.

Fig. 68

Phyllosticta anemones Fuckel, Fungi Rhen. Exs., Fasc. 5: no. 496, 1863 [Hedwigia 3(10): 157, 1864].

≡ *Septoria anemones* (Fuckel) Fuckel, Jahrb. Nassauischen Vereins Naturk. 23-24: 389 (1869-70) 1870.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 496 (fig. 69).

496.

Phyllosticta Anemones Fckl.

Peritheciis minimis, gregariis, conicis, in macula fusca medio expallescente; sporidiis filiformibus, tenuissimis, in peritheciorum apicibus profluentibus.
Ad Anemones nemorosae folia viva, in dumetis umbrosis, non frequens. Vere. Alter-sand versus Hostrichiam.

Fig. 69

Fasc. 6

Septoria nigerrima Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 501, 1863 [Hedwigia 3(10): 157, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 501 (fig. 70).

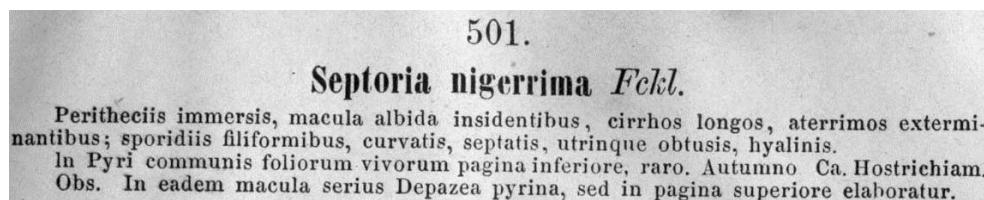


Fig. 70

Septoria potentillarum Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 502, 1863 [Hedwigia 3(10): 157, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 502 (fig. 71).

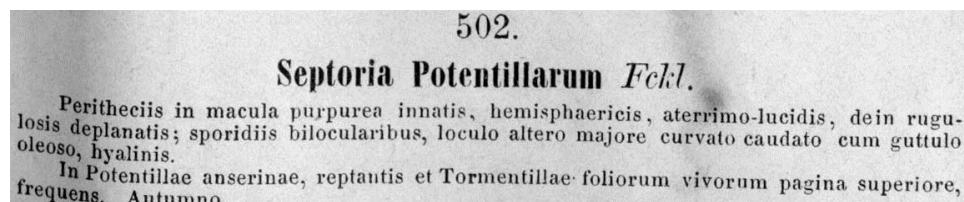


Fig. 71

Septoria aesculicola Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 510, 1863 [Hedwigia 3(10): 157, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 510 (fig. 72).

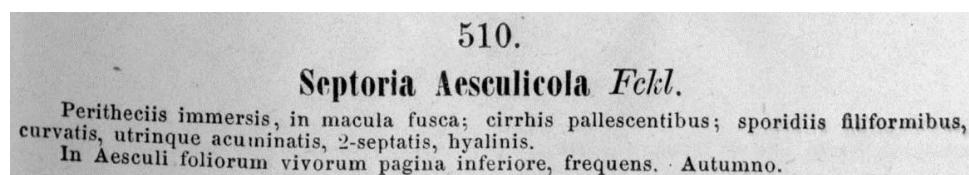


Fig. 72

Septoria quercus Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 511, 1863 [Hedwigia 3(10): 157, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 511 (fig. 73).

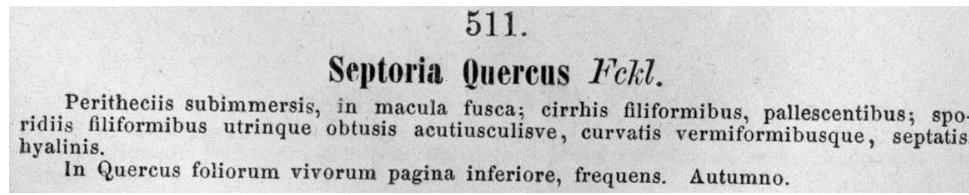


Fig. 73

Septoria pini Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 512, 1863 [Hedwigia 3(10): 157, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 512 (fig. 74).

512.

Septoria Pini Fckl.

Peritheciis immersis, in acervulis lineari-oblongis seriatis, epidermidem demum erumpentibus; cirrhis candidis; sporidiis oblongo-clavatis, uniseptatis, hyalinis.
Hypodermii nervisequi habitu sed omnino diversa est.
Ad P. excelsioris folia viva, frequens, et saepe valde noxiis. Autumno.

Fig. 74

Septoria villarsiae Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 516, 1863 [Hedwigia 3(10): 157, 1864], nom. illeg. (Art. 53.1), non Desm., 1842. (fig. 75).

516.

Septoria Villarsiae Fckl.

Peritheciis hemisphaericis, immersis, minimis, perforatis, atris, in macula, fere totum folium complectante, fusca; cirrhis minimis, albis; sporidiis filiformibus, curvatis, multi-septatis, hyalinis.
In V. nymphoides foliis, vivis, ad terram prostratis, raro. Autumno. Ca. Hattenheim.

Fig. 75

Septoria scillae Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 517, 1863 [Hedwigia 3(10): 157, 1864], nom. illeg. (Art. 53.1), non Westend., 1852.

Notes: This name was published with a description on the label of Fungi Rhen. Exs. 517 (fig. 76), but it is invalid (Art. 53.1).

517.

Septoria Scillae Fckl.

Peritheciis subimmersis, planis, perforatis, atris, in macula exarida; cyrrhis contortis, albis; sporidiis filiformibus, longissimis, curvatis, septatis, hyalinis.
In Sc. bifoliae foliorum vivorum apicibus, raro. Autumno. Altersand prope Hohenheim.

Fig. 76

Septoria daphnes Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 520, 1863 [Hedwigia 3(10): 158, 1864], nom. illeg. (Art. 53.1), non Roberge ex Desm., 1843. (fig. 77).

520.

Septoria Daphnes Fckl.

Peritheciis immersis, in macula vix discolore; cirrhis contortis candidis; sporidiis irregularibus, fusiformibus clavatisve, curvatis, 1—2 septatis, 2 guttulatis, loculo superiore majore, hyalinis.
In D. Mézerei foliorum vivorum pagina superiore, raro. Autumno. Ca. Hallgarten.

Fig. 77

Hendersonia vagans Auersw., in Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 525, 1863, nom. illeg. (Art. 52.1).

Notes: *Hendersonia syringae* Fr. and *H. lichenicola* (Corda) Lév. were cited as synonyms (fig. 78). *Hendersonia vagans* Fuckel, Jahrb. Nassauischen Vereins Naturk. 23-24: 392 (1869-70) 1870, is also illegitimate (Art. 6.4).

525.

Hendersonia vagans Awd.

Syn. *H. Syringae* Fr., *H. lichenicola* Fr., *H. Rosae* Fr.
Ad arborum frondosarum variarum ramulos aridos, frequens. Hieme.

Fig. 78

Hendersonia foliicola Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 526, 1863 [Hedwigia 3(10): 158, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 526 (fig. 79).



Fig. 79

Diplodia coryli Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 533, 1863 [Hedwigia 3(10): 158, 1864].
Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 533 (fig. 80).

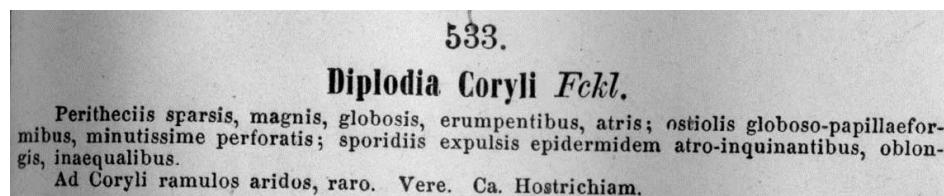


Fig. 80

Diplodia quercus Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 534, 1863 [Hedwigia 3(10): 158, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 534 (fig. 81).

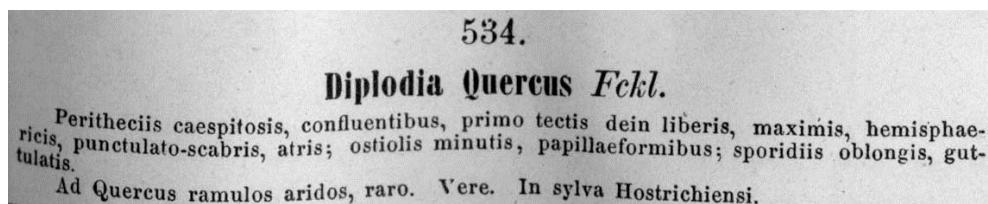


Fig. 81

Diplodia pseudodiplodia Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 535, 1863 [Hedwigia 3(10): 158, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 535 (fig. 82).

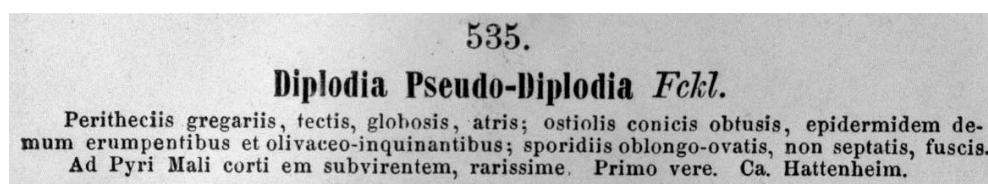


Fig. 82

Diplodia mamma (Wallr.) Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 537, 1863.

≡ *Sphaeria mamma* Wallr., Fl. crypt. Germ. 2: 784, 1833.

Notes: This is a valid combination made on the label of Fungi Rhen. Exs. 537 (fig. 83).

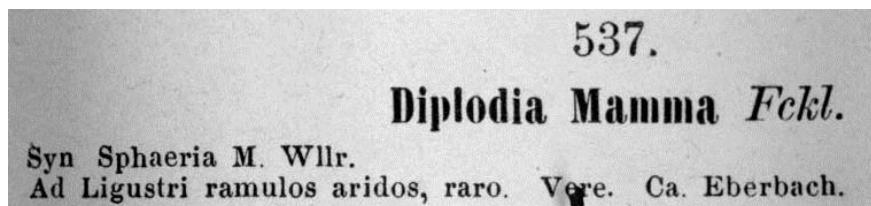


Fig. 83

Diplodia pityophila (J.C. Schmidt & Kunze) Fuckel (as “*pithyophila*”), Fungi Rhen. Exs., Fasc. 6: no. 538, 1863.

≡ *Sphaeria pityophila* J.C. Schmidt & Kunze, Deutschl. Schwämme, Sechste Lieferung: 3, 1817.

≡ *Curreya pityophila* (J.C. Schmidt & Kunze) Arx & E. Müll., Stud. Mycol. 9: 80, 1975.

Notes: This is a valid combination made on the label of Fungi Rhen. Exs. 538 (fig. 84).

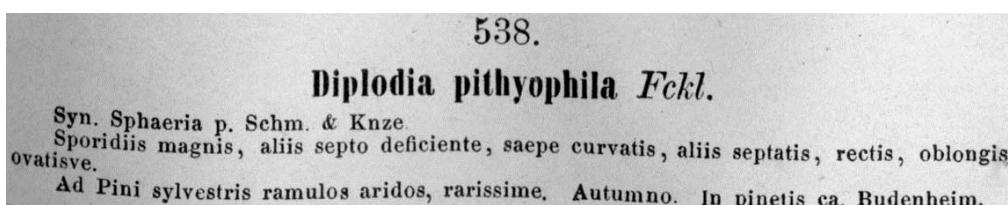


Fig. 84

Diplodia epidermidis (Fr.) Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 540, 1863.

≡ *Sphaeria epidermidis* Fr., Syst. mycol. 2(2): 499, 1823.

≡ *Didymosphaeria epidermidis* (Fr.) Fuckel, Jahrb. Nassauischen Vereins Naturk. 23-24: 141 (1869-70) 1870.

Notes: This is a valid combination made on the label of Fungi Rhen. Exs. 540 (fig. 85).

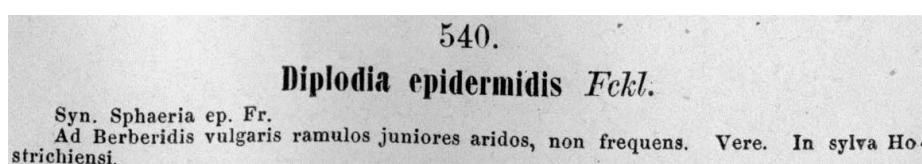


Fig. 85

Diplodia ulmi Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 542, 1863 [Hedwigia 3(10): 158, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 542 (fig. 86).

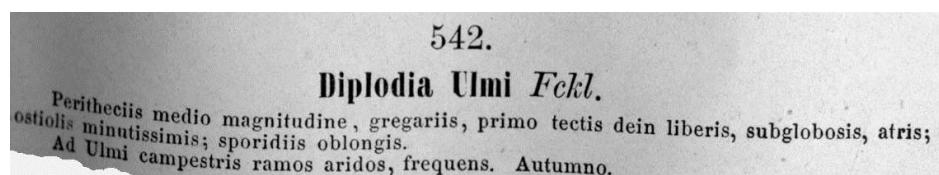


Fig. 86

Diplodia humuli Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 544, 1863 [Hedwigia 3(10): 158, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 544 (fig. 87).

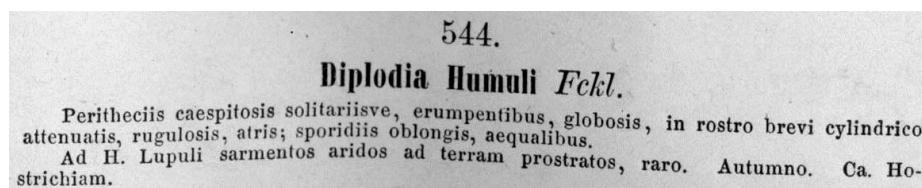


Fig. 87

Diplodia caulincola Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 545, 1863 [Hedwigia 3(10): 158, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 545 (fig. 88).

545.

Diplodia caulincola Fckl.

Peritheciis gregariis, magnitudine eorum Pleosporae herbarum, globosis, tectis, atris; ostiolis cylindraceis, brevissimis, obtusis, perforatis, epidermidem erumpentibus; sporidiis oblongis.

Ad Tanaceti v. caules aridos, raro. Hieme. Ca. Hostrichiam.

Fig. 88

Leptothyrium circinans Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 554, 1863 [Hedwigia 3(10): 158, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 554 (fig. 89).

554.

Leptothyrium circinans Fckl.

Peritheciis magnitudine illorum Discosiae alneae, atro-nitidis, fornicatis, rotundatis saepe confluentibus, siccis plicato-rugulosis, planis, in circulo magno se gratam augente, dispositis et maculam exaridam relinquentibus; sporidiis ut in praecedentibus fusiformibus, curvatis, contiguis, hyalinis.

Ad Populi albae folia viva, raro. Autumno. Altersand versus Hostrichiam.

Fig. 89

Sacidium cytisi (Fuckel) Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 556, 1863 [Hedwigia 3(10): 158, 1864].

≡ *Actinothyrium cytisi* Fuckel, Bot. Zeitung (Berlin) 19(35): 249, 1861.

Notes: This is a valid combination made on the label of Fungi Rhen. Exs. 556 (fig. 90).

556.

Sacidium Cytisi Fckl.

Syn. *Actinothyrium* C. Fckl. bot. Ztg. 1861. Nro. 35.

Ad C. sagittalis caules vivos, raro. Vere. Ca Eberbach.

Fig. 90

Chailletia Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 557, 1863 [Hedwigia 3(10): 158, 1864], nom. illeg. (Art. 53.1), non *Chailletia* DC., 1811 and

Chailletia mespili (DC.) Fungi Rhen. Exs., Fasc. 6: no. 557, 1863 [Hedwigia 3(10): 159, 1864].

≡ *Xyloma mespili* DC., Fl. franç., Ed. 3, 5/6: 158, 1815.

≡ *Diplocarpon mespili* (Sorauer) B. Sutton, The Coelomycetes (Kew): 150, 1980.

Notes: This is an illegitimate genus name with a description on the label of Fungi Rhen. Exs. 557 and a new combination (fig. 91).

557.

Chailletia Fckl.

Perithecium carbonaceum, hemisphaericum, demum planum, rugulosum, astomum, aternum, in macula purpurea; sporidiis tetrameris; loculis in terioribus inaequalibus, superiore minore, oblongo, obtuso, inferiore maximo, ovato, pedicelato; loculis lateralibus aequalibus, minimis, longe ciliatis, hyalinis. Vide figuram.

Chailletia Mespili Fckl.

Syn. *Xyloma* M. DC.

Ad Cotoneastri tomentosae foliorum vivorum paginam superiore, raro. Aestate.

Cf. Chaillet eam in Jura detexit et ibidem Amicissimus Morthier collegit et mihi communicavit.

Fig. 91

Sphaeropsis caulincola (Wallr.) Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 566, 1863.

≡ *Sphaeria caulincola* Wallr., Fl. crypt. Germ. 2: 770, 1833.

Notes: This is a valid combination made on the label of Fungi Rhen. Exs. 566 (fig. 92).

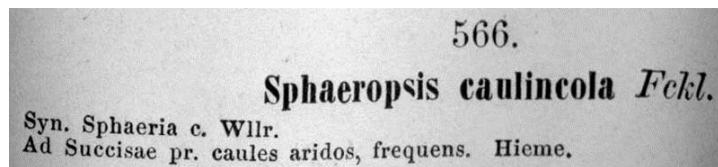


Fig. 92

Sphaeropsis denigrata Fuckel [as “(Wallr.) Fuckel”], *Fungi Rhen. Exs., Fasc. 6:* no. 567, 1863.
≡ *Sphaeria denigrata* Wallr., *Fl. crypt. Germ. (Norimberga)* 2: 811, 1833, nom. illeg. (Arts 52.1 and 53.1), non Schweinitz 1832.

= *Gibberidea heliopsidis* (Schwein.) Shear, *Mycologia* 29: 361, 1937.

Notes: This is a new name validly published on the label of *Fungi Rhen. Exs. 567* (fig. 93). It was introduced as “new combination” based on Wallroth’s (l.c.) illegitimate name *Sphaeria denigrata*, but an illegitimate name cannot be used as a basionym (Art. 6.10). Therefore, this name represents a name only ascribable to Fuckel. Although based on a superfluous name (Art. 52.1), *Sphaeropsis denigrata* is not illegitimate according to Art. 58.1 since Fuckel (l.c.) did not cite *Sphaeria heliopsidis* Schwein. (≡ *Dothidea heliopsidis* (Schwein.) Fr.), as done by Wallroth (l.c.), i.e., this name and its type were excluded (Art. 58.1, and Note 1, Ex. 6).

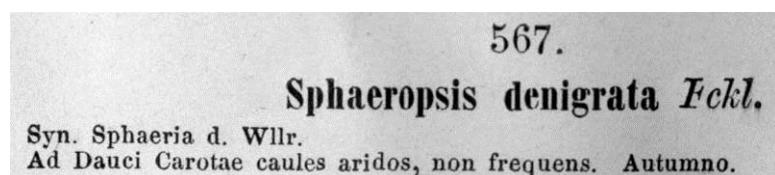


Fig. 93

Vermicularia colchici Fuckel, *Fungi Rhen. Exs., Fasc. 6:* no. 573, 1863 [*Hedwigia 3(10): 159, 1864*].

Notes: This is a valid species name with a description on the label of *Fungi Rhen. Exs. 573* (fig. 94).

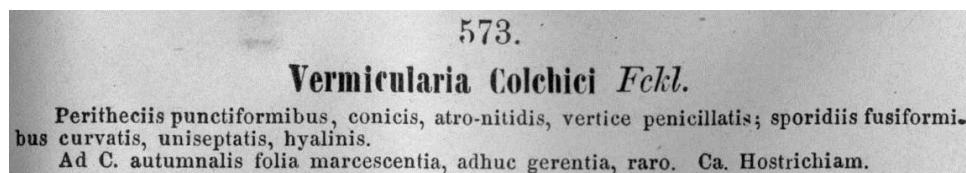


Fig. 94

Phoma dictamni Fuckel, *Fungi Rhen. Exs., Fasc. 6:* no. 576, 1863 [*Hedwigia 3(10): 159, 1864*].

Notes: This is a valid species name with a description on the label of *Fungi Rhen. Exs. 576* (fig. 95).

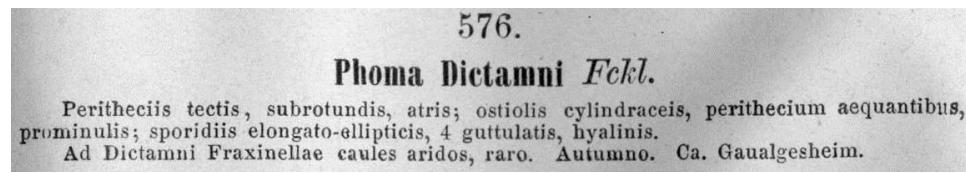


Fig. 95

Phoma sparganii Fuckel, *Fungi Rhen. Exs., Fasc. 6:* no. 581 [as ‘158’], 1863 [*Hedwigia 3(10): 159, 1864*].

Notes: This is a valid species name with a description on the label of *Fungi Rhen. Exs. 581* (fig. 96).

158.

Phoma Sparganii Fckl.

Peritheciis sparsis, primo tectis dein subliberis, globosis, medio magnitudine, aterrismis, laevibus; ostiolis minutis, papillaeformibus; sporidiis magnis, fusiformibus, continguis, quadrioculatis, hyalinis.
Ad Sp. ramosi caules foliaque arida, valde humida, raro. Vere. Ca. Budenheim.

Fig. 96

Hapalocystis Auersw., in Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 585, 1863 and
Hapalocystis berkeleyi Auersw. in Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 585, 1863.

≡ *Sphaeria hapalocystis* Berk. & Broome, Ann. Mag. Nat. Hist., Ser. 2, 9: 317, 1852.

≡ *Valsa hapalocystis* (Berk. & Broome) Cooke, Handbook Brit. Fungi 2: 839, 1879.

Notes: This is a genus name validly published on the label of Fungi Rhen. Exs. 585 and a valid new name (fig. 97).

585.

Hapalocystis *) Berkeleyi Awd. mspt.

Syn. *Valsa hapalocystis* Berk. & Br.

Ad *Platani ramos aridos*, raro. Vere. Grünau ca. Hattenheim.

*) Ascis cylindraceis; sporidiis uniserialibus, ovatis seu ovato-oblongis, 2–3 septatis lato-appendiculatis.

Fig. 97

586.

Hapalocystis bicaudata Fckl.

Peritheciis 6–8 decumbentibus, circinantibus, liberis, ovatis, in cortice interiore nudantibus, ostiolis brevibus, obtusis, cylindraceis, pertusis, epidermidem perforantibus, paulo prominentibus et inter se liberis; ascis cylindraceis, 8 sporis; sporidiis ovato-oblongis, triseptatis, atro-fuscis, utrinque cum appendiculo contorto, sporidii longitudine, hyalino. Vide figuram.

Ad *Tiliae ramulos aridos ad terram humidam prostratos, rarissime*. Vere. Biebrich.

Fig. 98

Hapalocystis bicaudata Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 586, 1863 [Hedwigia 3(10): 159, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 586 (fig. 98).

Wuestneia Auersw., in Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 587, 1863 [Hedwigia 3(10): 159, 1864] and

Wuestneia aurea (Fuckel) Auersw., in Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 587, 1863.

≡ *Valsa aurea* Fuckel, Jahrb. Nassauischen Vereins Naturk. 15: 53, 1860.

Notes: This is a genus name validly published on the label of Fungi Rhen. Exs. 587 and a valid new combination (fig. 99).

587.

Wuestneia *) aurea Awd. mspt.

Syn. *Valsa aurea* Fckl. En. F. N.

Ad *Carpini ramulos aridos, rarissime*. Vere. In sylvis ca. Eberbach.

*) Ascis cylindraceis; sporidiis uniserialibus, ovalibus oblongisve, rectis.

Fig. 99

Wuestneia fibrosa (Pers.) Auersw., in Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 589, 1863.

≡ *Sphaeria fibrosa* Pers., Syn. meth. fung. 1: 40, 1801, nom. sanct. [Fr., Syst. mycol. 2(2): 384, 1823].

≡ *Diaporthe fibrosa* (Pers.) Fuckel, Jahrb. Nassauischen Vereins Naturk. 23-24: 204, 1870.

Notes: This is a combination validly published on the label of Fungi Rhen. Exs. 589 (fig. 100).

589.

Wuestneia fibrosa Awd. mspt.

Syn. Sphaeria f. Pers. Valsa f. Fr.
Ad Pruni spinosae et Rhamni catharticae ramos aridos, frequens. Vere.

Fig. 100

Wuestneia stilbostoma (Fr.) Auersw., in Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 590, 1863.

≡ *Sphaeria stilbostoma* Fr., Kongl. Vetensk. Akad. Handl. 38: 102, 1817, nom. sanct. [Fr., Syst. mycol. 2(2): 384, 1823].

≡ *Melanconis stilbostoma* (Fr.) Tul. & C. Tul., Selecta fung. Carpol. 2: 115, 1863.

Notes: This is a combination validly published on the label of Fungi Rhen. Exs. 590 (fig. 101).

590.

Wuestneia stilbostoma Awd. mspt.

Syn. Valsa st. Fr. S. v. Sc.
Ad Betulae ramos aridos, frequens. Vere.

Fig. 101

Wuestneia sphinctrina (Fr.) Auersw., in Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 591, 1863.

≡ *Sphaeria sphinctrina* Fr., in Kunze & Schmidt, Mykol. Hefte 2: 48, 1823.

Notes: This is a combination validly published on the label of Fungi Rhen. Exs. 591 (fig. 102).

591.

Wuestneia sphinctrina Awd. mspt.

Syn. Sphaeria sph. Fr. syst. myc. Valsa. sph. Fr. S. v. Sc
Ad Fagi corticem putridum, raro. Vere. In sylva Hostrichensi.

Fig. 102

Wuestneia tessera (Fr.) Auersw., in Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 592, 1863.

≡ *Sphaeria tessera* Fr., Syst. mycol. 2(2): 405, 1823, nom. sanct. [Fr., l.c.].

Notes: This is a combination validly published on the label of Fungi Rhen. Exs. 592 (fig. 103).

592.

Wuestneia tessera Awd. mspt.

Syn. Sphaeria t. Fr. syst. myc.
Ad Coryli ramos aridos, non frequens. Vere.

Fig. 103

Wuestneia suffusa (Fr.) Auersw., in Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 593, 1863.

≡ *Sphaeria suffusa* Fr., Kongl. Vetensk. Akad. Handl. 38: 95, 1817, nom. sanct. [Fr., Syst. mycol. 2(2): 399, 1823].

≡ *Cryptosporella suffusa* (Fr.) L.C. Mejía & Castl., Mycol. Res. 112 (1): 31, 2007.

Notes: This is a combination validly published on the label of Fungi Rhen. Exs. 593 (fig. 104).

593.

Wuestneia suffusa Awd. mspt.

Syn. Sphaeria s. Fr. syst. myc. Valsa s. Fr. S. v. Sc.
Ad Alni glutinosae corticem aridum, raro. Autumno. In sylva Hostrichensi.

Fig. 104

Wuestneia monadelpha (Fr.) Auersw., in Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 594, 1863 [Auersw., in Rabenh., Fungi Eur. Exs. (Klotzschii Herb. Viv. Mycol. Continuatio, Ed. Nova, Ser. Sec.), Cent. 8: no. 734, 1865].

≡ *Sphaeria monadelpha* Fr., Syst. mycol. 2(2): 382, 1823, nom. sanct. [Fr., l.c.].

Notes: This is a combination validly published on the label of Fungi Rhen. Exs. 594 (fig. 105).

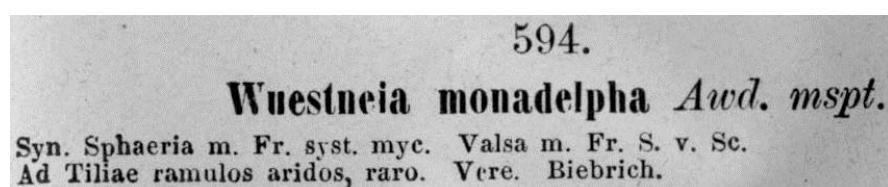


Fig. 105

Valsa strumella (Fr.) Auersw., in Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 598, 1863.

≡ *Sphaeria strumella* Fr., Kongl. Vetensk. Akad. Handl. 38: 101, 1817, nom. sanct. [Fr., Syst. mycol. 2(2): 365, 1823].

≡ *Diaporthe strumella* (Fr.) Fuckel, Jahrb. Nassauischen Vereins Naturk. 23-24: 205, 1870.

Notes: This is a combination validly published on the label of Fungi Rhen. Exs. 598 (fig. 106).

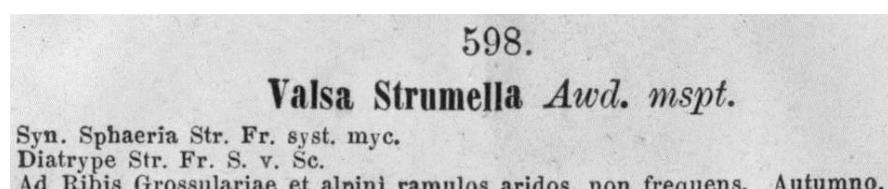


Fig. 106

Valsa cerviculata (Fr.) Auersw., in Fuckel, Fungi Rhen. Exs., Fasc. 6: no. 599, 1863.

≡ *Sphaeria cerviculata* Fr., Kongl. Vetensk. Akad. Handl. 38: 88, 1817, nom. sanct. [Fr., Syst. mycol. 2(2): 383, 1823].

≡ *Valsa cerviculata* (Fr.) Fr., Summa veg. Scand. 2: 411, 1849.

Notes: This is a superfluous combination published on the label of Fungi Rhen. Exs. 599 (fig. 107).

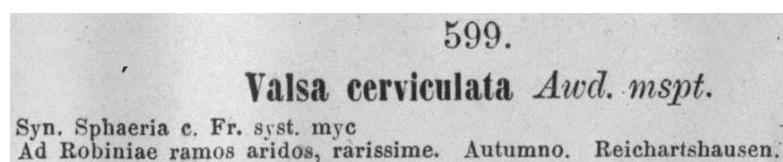


Fig. 107

Fasc. 7

Valsa vitis (Schwein.) Fuckel, Fungi Rhen. Exs., Fasc. 7: no. 607, 1863 [Jahrb. Nassauischen Vereins Naturk. 23-24: 199 (1869-70) 1870].

≡ *Sphaeria vitis* Schwein., Schriften Naturf. Ges. Leipzig 1: 39, 1822.

Notes: This is a combination validly published on the label of Fungi Rhen. Exs. 607 (fig. 108).

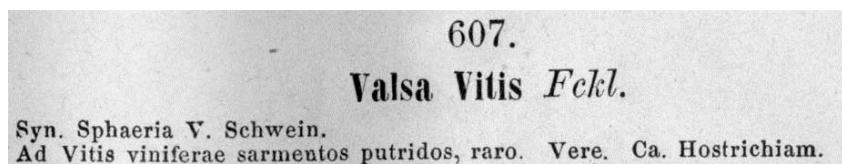


Fig. 108

Valsa friesii (Duby) Fuckel, Fungi Rhen. Exs., Fasc. 7: no. 610, 1863 [Jahrb. Nassauischen Vereins Naturk. 23-24: 198 (1869-70) 1870].

\equiv *Sphaeria friesii* Duby, Bot. Gall., Ed. 2, 2: 690, 1830.

Notes: This is a combination validly published on the label of Fungi Rhen. Exs. 610 (fig. 109).

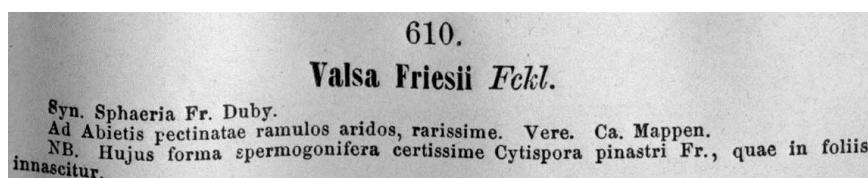


Fig. 109

Valsa occulta Fuckel, Fungi Rhen. Exs., Fasc. 7: no. 622, 1863 [Hedwigia 3: 159, 1864].

\equiv *Macrodiaporthe occulta* (Fuckel) Petr., Ann. Mycol. 17 (2-6): 94, 1920.

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 622 (fig. 110).

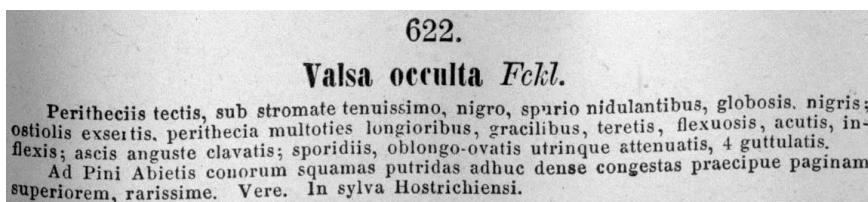


Fig. 110

Libertella pallida Fuckel, Fungi Rhen. Exs., Fasc. 7: no. 637, 1863 [Hedwigia 3: 159, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 637 (fig. 111).

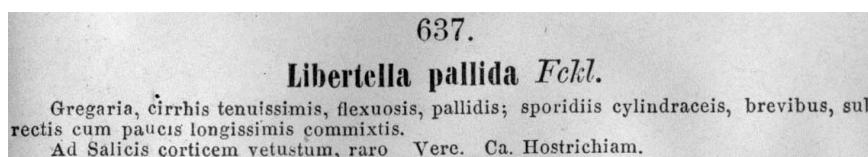


Fig. 111

Podosporium ribis Fuckel, Fungi Rhen. Exs., Fasc. 7: no. 639, 1863 [Hedwigia 3: 159, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 639 (fig. 112).

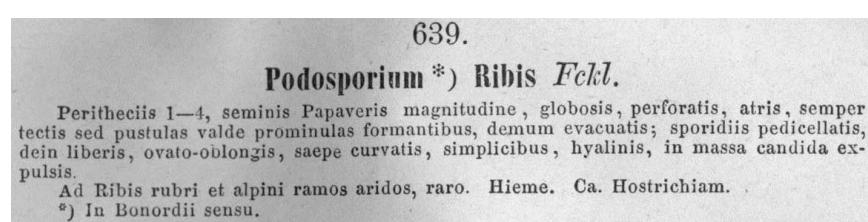


Fig. 112

Ceuthospora subcorticalis Fuckel, Fungi Rhen. Exs., Fasc. 7: no. 640, 1863 [Hedwigia 3: 160, 1864].

Notes: This is a valid species name with a description on the label of Fungi Rhen. Exs. 640 (fig. 113).

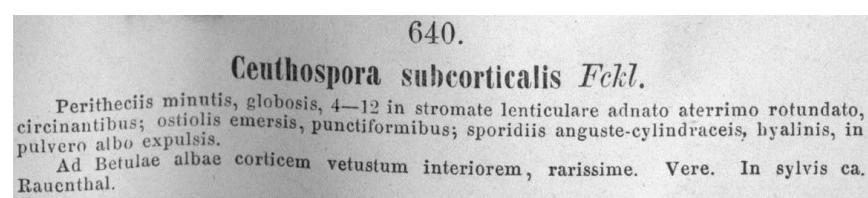


Fig. 113

Literature

- 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.
- Braun, U. & Crous, P. 2016: (2415) Proposal to conserve the name *Cercospora* (Ascomycota: Mycosphaerellaceae) with a conserved type. *Taxon* **65**(1): 185.
- Constantinescu, O. 1991: An annotated list of *Peronospora* names. *Thunbergia* **15**: 1–110.
- Cooke, M. C. 1877: New British fungi (cont.). *Grevillea*. **5**(35): 118–122.
- Fuckel, K. W. G. L. 1860: *Enumeratio Fungorum Nassoviae collectorum, Ser. 1. Jahrbücher des Vereins für Naturkunde im Herzogthum Nassau* **15**: 1–126.
- Fuckel, K. W. G. L. 1870 [“1869–1870”]: *Symbolae mycologicae. Beiträge zur Kenntnis der rheinischen Pilze*. *Jahrbücher des Nassauischen Vereins für Naturkunde* **23–24**: 1–459.
- Fuckel, K. W. G. L. 1871 [“1871–1872”]: *Symbolae mycologicae. Erster Nachtrag*. *Jahrbücher des Nassauischen Vereins für Naturkunde* **25–26**: 287–346.
- Fuckel, K. W. G. L. 1874 [“1873–1874”]: *Symbolae mycologicae. Zweiter Nachtrag*. *Jahrbücher des Nassauischen Vereins für Naturkunde* **27–28**: 1–99.
- Fuckel, K. W. G. L. 1875 [“1876–1877”]: *Symbolae mycologicae. Dritter Nachtrag*. *Jahrbücher des Nassauischen Vereins für Naturkunde* **29–30**: 3–39.
- Groenewald, J. Z., Nakashima, C., Nishikawa, J., Shin. H.-D., Park, J.-H., Jama, A. N., Groenewald, M., Braun, U. & Crous, P. W. 2013: Species concepts in *Cercospora*: spotting the weeds among the roses. *Studies in Mycology* **75**: 115–170.
- Scholler, M., Braun, U., Schulte, T., Zhao, P. & Bubner, B. 2019: Nomenclatural, phylogenetic and taxonomical studies on European rust fungi, *Pucciniales*, (1) Miscellaneous pucciniastraceous species. *Mycological Progress*, in press.
- Stafleu, F. A. & Cowan R. S. 1976: Taxonomic literature. A selective guide to botanical publications and collections with dates, commentaries and types. Utrecht.

Addresses of the authors

- Uwe Braun, Martin-Luther-Universität, Institut für Biologie, Bereich Geobotanik und Botanischer Garten, Neuwerk 21, 06099 Halle (Saale), Germany.
(E-mail: uwe.braun@botanik.uni-halle.de)
- Konstanze Bensch, Westerdijk Fungal Biodiversity Institute, P.O. Box 85167, 3508 AD, Utrecht, The Netherlands.
(E-mail: k.bensch@wi.knaw.nl)

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Schlechtendalia](#)

Jahr/Year: 2019

Band/Volume: [36](#)

Autor(en)/Author(s): Braun Uwe, Bensch Konstanze

Artikel/Article: [Annotated list of taxonomic novelties published in “Fungi Rhenani Exsiccati” Fasc. 1 to 7, issued by K. W. G. L. Fuckel in 1863 103-131](#)