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Type material of fungi in D. F. L. von Schlechtendal's herbarium including nomenclatural comments on species published by G. Kunze and J.C. Schmidt in "Deutschlands Schwämme" and other exsiccatae

Uwe BRAUN

Abstract: Braun, U. 2016: Type material of fungi in D. F. L. von Schlechtendal's herbarium including nomenclatural comments on species published by G. Kunze and J.C. Schmidt in "Deutschlands Schwämme" and other exsiccatae. Schlechtendalia **30**: 9–34.

An annotated list of numerous type collections of fungi found in D. F. L. von Schlechtendal's herbarium, preserved in the Herbarium at Halle University (HAL), is provided. The nomenclature of several new species published by J.C. Schmidt and G. Kunze in "Deutschlands Schwämme", by Kunze in C. F. Holl, "Plantae maderenses" [1827], and by Kunze in Weigelt & Kunze, "Surinam (leg. et exsicc. Weigelt)" [1827] is briefly discussed. The nomenclature of various fungal species is discussed in detail and corrected, e.g. the nomenclature of *Balansia epichloë* (≡ *B. kunzei*, nom. illeg.) and *Exidia impressa* which takes priority over *E. truncata* based on Art. 11.4 and 15.1.

Zusammenfassung: Braun, U. 2016: Typus-Material von Pilzen im Herbarium von D. F. L. von Schlechtendal einschließlich nomenklatorischer Anmerkungen zu Arten publiziert von G. Kunze und J.C. Schmidt in „Deutschlands Schwämme" und anderen Exsikkatenwerken. Schlechtendalia **30**: 9–34.

Eine kommentierte Liste von Typus-Material zahlreicher Pilze, gefunden in D. F. L. von Schlechtendals Herbarium aufbewahrt im Herbarium der Universität Halle, wird präsentiert. Die Nomenklatur verschiedener von J.C. Schmidt und G. Kunze in „Deutschlands Schwämme", von Kunze in C. F. Holl, „Plantae maderenses" [1827] und Kunze in Weigelt & Kunze, „Surinam (leg. et exsicc. Weigelt)" [1827] veröffentlichter neuer Arten wird kurz diskutiert. Die Nomenklatur einiger Arten wird detailliert besprochen und korrigiert, z.B. die Nomenklatur von *Balansia epichloë* (≡ *B. kunzei*, nom. illeg.) und *Exidia impressa*, die nach Art. 11.4 und 15.1 Priorität gegenüber *E. truncata* hat.

Key words: typification, herbarium HAL, mycota.

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Introduction

D. F. L. von Schlechtendal (1794–1866) was professor of botany and director of the botanical garden in Halle (Saale) from 1833 to 1866. He was one of the leading and most productive German botanists of the 19th century, who, inter alia, described more than 1.500 new plant taxa, most of them new species, but also some new genera. Schlechtendal's mycological publications are less well known. Schlechtendal's private herbarium was purchased by the university after his death from his widow and represents the historical nucleus of the present-day herbarium of Halle University (HAL). Besides his large famous herbarium of higher plants, there are some additional smaller collections of cryptogams (algae, fungi, lichens, and mosses). Braun (2006) listed type material of mosses described by G. E. L. Hampe, C. F. Hornschuch, J. K. (C.) A. F. W. Müller (Müll.Hal.), etc., which were traced in Schlechtendal's herbarium. Braun (1979) published a first contribution to the typification of fungi described by D. F. L. von Schlechtendal, followed by Dörfelt & Zschieschang (1983, 1986) who dealt with the lectotypification of several agarics described by F. W. Junghuhn, based on Junghuhn's material in Schlechtendal's herbarium, and Dörfelt & Ali (1987) who lectotypified powdery mildew species (*Erysiphales*) described by D. F. L. von Schlechtendal. A first list of type collections of fungi, lichens, and mosses deposited at HAL was issued by Braun & Stordeur (2001). However, the search for type material of fungi in Schlechtendal's herbarium had not been finished. Recent attempts to complete this work yielded numerous additional types traced in Schlechtendal's fungarium, including types of several species introduced by J. C. Schmidt and G. Kunze in the exsiccata "Deutschlands Schwämme" and by Kunze in C. F. Holl, "Plantae Maderenses" as well as C. Weigelt & G. Kunze in "Surinam (leg. et exsicc. Weigelt)". The original references involved in the nomenclature of the taxa concerned have been traced, consulted, and are correctly cited. Other types found in Schlechtendal's herbarium refer to species described by G. Kunze and Schmidt in "Mykologische Hefte, vol. 1 and 2, 1817 and 1823", by C. G. Ehrenberg and other authors.

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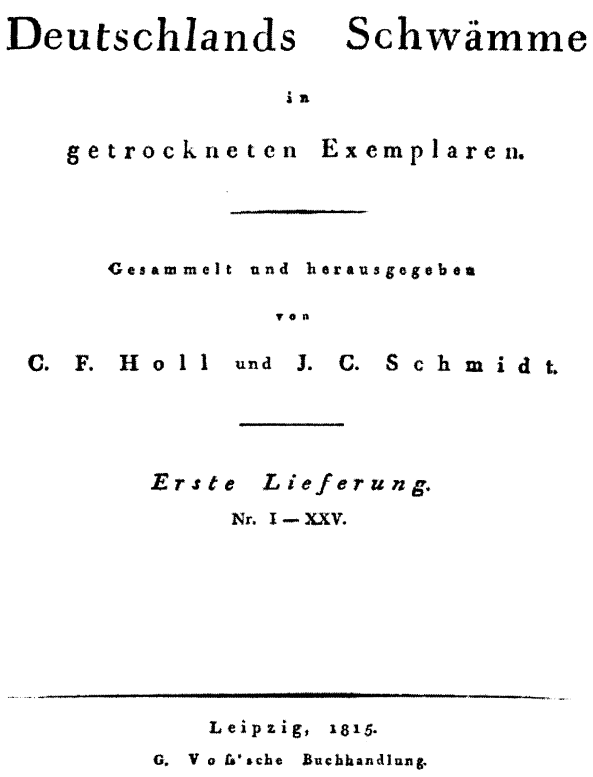
Nomenclature of species described by J. C. Schmidt and G. Kunze in "Deutschlands Schwämme" and other exsiccatae

The exsiccata "Deutschlands Schwämme" has been found in D. F. L. von Schlechtendal's herbarium in Halle (HAL), but not in bound original form, i.e. the accompanying text pages are not preserved at HAL. Pfister (1982) published a detailed survey of the history of this exsiccata. Nevertheless, there is a lot of nomenclatural confusion around new taxa published in "Deutschlands Schwämme" that continues until today. Owing to the rarity of this exsiccata, above all in its original bound form, taxa introduced in this series have often been considered to be not validly published. The labels of the taxa concerned, traceable in various herbaria worldwide, are not accompanied by any descriptions or diagnoses. However, as already stated in Pfister (1982), "Deutschlands Schwämme" (fig. 1) is composed of specimens with simple labels supplemented by text pages with descriptions of the included taxa. Thus, all new species introduced in this exsiccata are validly published. The correct citations for taxa with types at HAL are to be found in the following annotated list, supplemented by scans of the original descriptions.

All fascicles of "Deutschlands Schwämme" were published by G. Voss in Leipzig (Lieferung [fasc.] 1 [see fig. 1] and 2 by F. Holl & J. C. Schmidt; 3–9 by J. C. Schmidt & G. Kunze).

Lieferung (fascicle) 1 (I–XXX), 1815, was reviewed by Anonymous (1815), Lieferung 2 to 5 by Anonymous (1816), Lieferung 6 to 8 by Anonymous (1819a) [Lieferung 8 in addition by Anonymous (1819b)], and Lieferung 9 by Anonymous (1820). The reviews concerned do not contain any descriptions, excepting for Anonymous (1816 and 1819) which contain brief descriptions of the following taxa:

(1) Anonymous (1816), all descriptions on page 1368: *Peziza nidulus*, *Sphaeria cruenta*, *Stilbospora fugax*, and *Hysterium corni*. (2) Anonymous (1819a): *Sphaeria pityophila* on page 2099; *Actinothyrium* gen. nov. and *A. graminis*, *Chaetomium elatum*, *Peziza lecanora*, *Sphaeria spartii*, and *Uredo sparsa* on page 2100; *Aecidium sii* var. *bupleuri-longifolii* and *Uredo padi* on page 2101.



Deutschlands Schwämme

in

getrockneten Exemplaren.

Gesammelt und herausgegeben

von

C. F. Holl und J. C. Schmidt.

Erste Lieferung.

Nr. I — XXV.

Leipzig, 1815.

G. Voß'sche Buchhandlung.

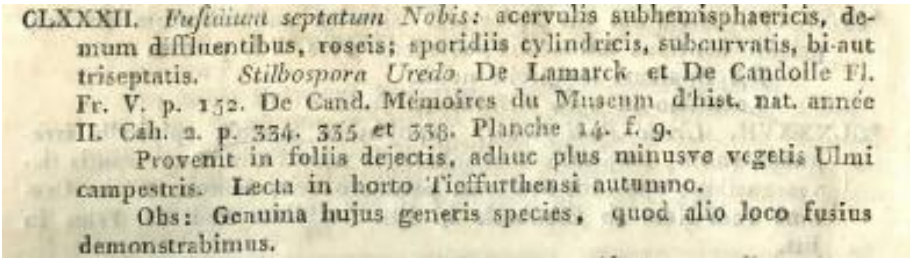
Fig. 1: "Deutschlands Schwämme", Erste Lieferung, Leipzig 1815, title page.

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Illegitimate or otherwise incorrect or misinterpreted names published in "Deutschlands Schwämme"

Fusidium septatum Nees, in J.C. Schmidt & Kunze, Deutschl. Schwämme, Achte Lieferung: 3, 1818, nom. illeg (superfl.).

Notes: The authors cited *Stilbospora uredo* DC., 1815, as synonym.



CLXXXII. *Fusidium septatum Nobis:* acervulis subhemisphaericis, demum diffluentibus, roseis; sporidiis cylindricis, subcurvatis, bi-aut triseptatis. *Stilbospora Uredo* De Lamarck et De Candolle Fl. Fr. V. p. 152. De Cand. Mémoires du Museum d'hist. nat. année II. Cah. 2. p. 334. 335 et 338. Planche 14. f. 9.

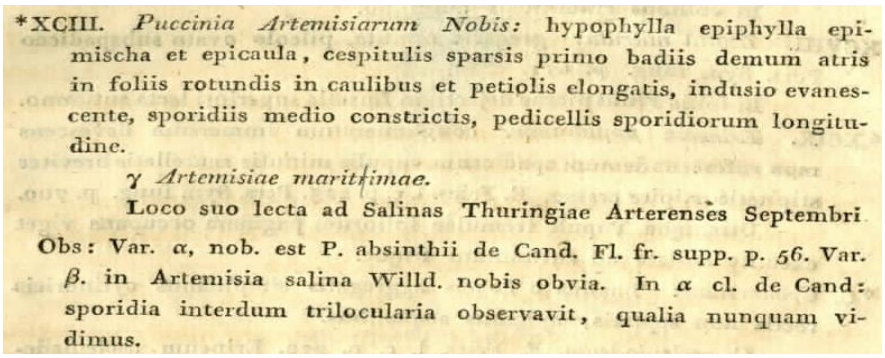
Provenit in foliis dejectis, adhuc plus minusve vegetis Ulmi campestris. Lecta in horto Tieffurthensi autumno.

Obs: Genuina hujus generis species, quod alio loco fusius demonstrabimus.

Fig. 2: *Fusidium septatum,* copy of the original description (Deutschl. Schwämme, Achte Lieferung: 3, 1818).

Puccinia artemisiarum J.C. Schmidt & Kunze, Deutschl. Schwämme, Vierte Lieferung: 5, 1816, nom. illeg (superfl.).

Notes: *P. artemisiarum* J.C. Schmidt & Kunze is an illegitimate superfluous name since the authors cited *Puccinia absinthii* DC., 1808, as synonym of this species.



*XCIII. *Puccinia Artemisiarum Nobis:* hypophylla epiphylla epimischa et epicaula, cespitulis sparsis primo badiis demum atris in foliis rotundis in caulibus et petiolis elongatis, indusio evanescente, sporidiis medio constrictis, pedicellis sporidiorum longitudine.

γ *Artemisiae maritimae.*

Loco suo lecta ad Salinas Thuringiae Arterenses Septembri

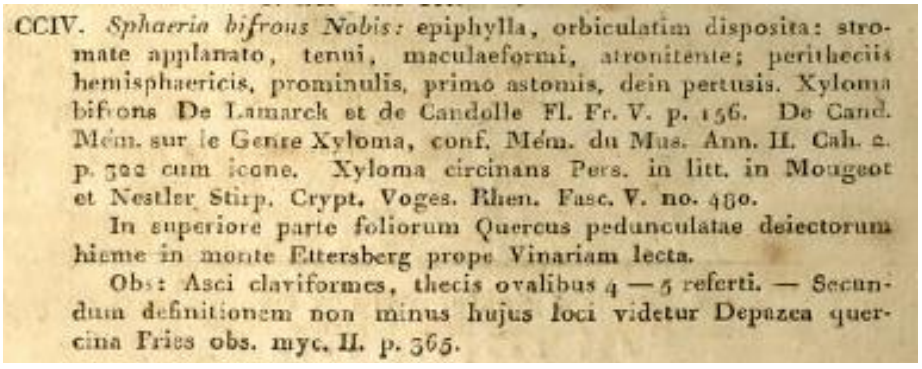
Obs: Var. α, nob. est P. absinthii de Cand. Fl. fr. supp. p. 56. Var. β. in Artemisia salina Willd. nobis obvia. In α cl. de Cand: sporidia interdum trilocularia observavit, qualia nunquam vidimus.

Fig. 3: *Puccinia artemisiarum,* copy of the original description (Deutschl. Schwämme, Vierte Lieferung: 5, 1816).

"*Puccinia conglomerata* nob." (Deutschl. Schwämme, Achte Lieferung: 4, 1818) cannot be interpreted as new species introduced by C. Schmidt and G. Kunze since they cited *Uredo conglomerata* F. Strauss, 1811, as synonym. Thus, this name is just a superfluous new combination for *Puccinia conglomerata* (F. Strauss) Röhl., 1817.

"*Sphaeria bifrons* J.C. Schmidt & Kunze", Deutschl. Schwämme, Neunte Lieferung: 2, 1819.

Notes: *S. bifrons* was not introduced as a new species since *Xyloma bifrons* DC., 1815, was cited as synonym. Thus, this name is a new combination to be cited as: ***Sphaeria bifrons*** (DC.) C. Schmidt & Kunze, Deutschl. Schwämme, Neunte Lieferung: 2, 1819.



CCIV. *Sphaeria bifrons Nobis:* epiphylla, orbiculatim disposita: stromate applanato, tenui, maculaeformi, atronitente; peritheciis hemisphaericis, prominulis, primo astomis, dein pertusis. Xyloma bifrons De Lamarck et de Candolle Fl. Fr. V. p. 156. De Cand. Mém. sur le Genre Xyloma, conf. Mém. du Mus. Ann. II. Cah. 2. p. 302 cum icone. Xyloma circinans Pers. in litt. in Mougeot et Nestler Stirp. Crypt. Voges. Rhen. Fasc. V. no. 450.

In superiore parte foliorum Quercus pedunculatae dejectorum hieme in monte Ettersberg prope Vinariam lecta.

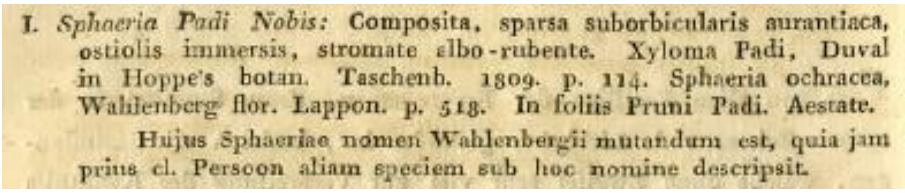
Obs: Asci claviformes, thecis ovalibus 4 — 5 referti. — Secundum definitionem non minus hujus loci videtur Depazea quercina Fries obs. myc. II. p. 365.

Fig. 4: *Sphaeria bifrons,* copy of the original description (Deutschl. Schwämme, Neunte Lieferung: 2, 1819).

"*Sphaeria padi* G.F. Holl & J.C. Schmidt", Deutschl. Schwämme, Erste Lieferung: 4, 1815.

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Notes: *S. padi* was not introduced as a new species since *Xyloma padi* P. Duval was cited as synonym. This forgotten species was described by Duval (1807): ***Xyloma padi*** P. Duval, Bot. Zeitung (Regensburg) **6**(19): 304, 1807. On this page Duval described an additional species: ***Xyloma aureum*** P. Duval, Bot. Zeitung (Regensburg) **6**(19): 304, 1807. Thus, the name introduced by Holl and Schmidt is a new combination to be cited as: ***Sphaeria padi*** (P. Duval) G.F. Holl & J.C. Schmidt, Deutschl. Schwämme, Erste Lieferung: 4, 1815. The name *S. padi* is currently considered a synonym of *Polystigma fulvum* Pers. ex DC., Fl. franç., Edn. 3, **5**/**6**: 164, 1815 (see Index fungorum). The name *Xyloma padi* is older than *Polystigma fulvum* and had priority. However, the identity of the two species is in need to be proven.



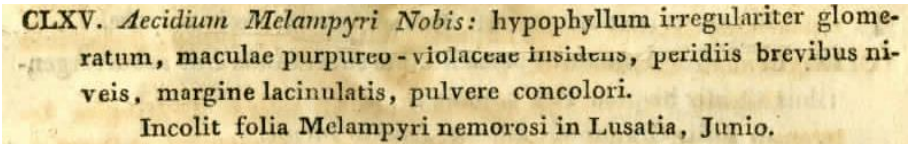
I. *Sphaeria Padi Nobis:* Composita, sparsa suborbicularis aurantiaca, ostiolis immersis, stromate albo-rubente. Xyloma Padi, Duval in Hoppe's botan. Taschenb. 1809. p. 114. Sphaeria ochracea, Wahlenberg flor. Lappon. p. 518. In foliis Pruni Padi. Aestate.

Hujus Sphaeriae nomen Wahlenbergii mutandum est, quia jam prius cl. Persoon aliam speciem sub hoc nomine descripsit.

Fig. 5: *Sphaeria padi*, copy of the original description (Deutschl. Schwämme, Erste Lieferung: 4, 1815).

Correct references of species described in "Deutschlands Schwämme" of which type specimens are lacking in Schlechtendal's herbarium at HAL

Aecidium melampyri J.C. Schmidt & Kunze, Deutschl. Schwämme, Siebente Lieferung: 4, 1817.
Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme CLXV (e.g. FH).

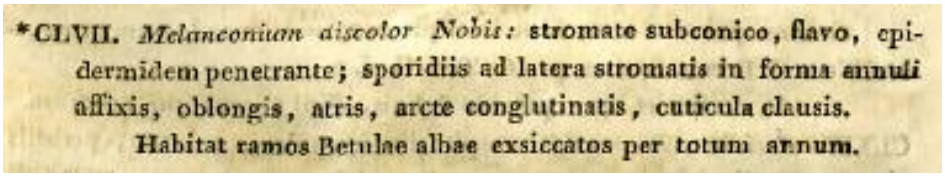


CLXV. *Aecidium Melampyri Nobis:* hypophyllum irregulariter glomeratum, maculae purpureo-violaceae insidens, peridiis brevibus niveis, margine lacinulatis, pulvere concolori.

Incolit folia Melampyri nemorosi in Lusatia, Junio.

Fig. 6: *Aecidium melampyri*, copy of the original description (Deutschl. Schwämme, Siebente Lieferung: 4, 1817).

Melanconium discolor J.C. Schmidt & Kunze, Deutschl. Schwämme, Siebente Lieferung: 3, 1817.
Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme CLVII (e.g. FH).

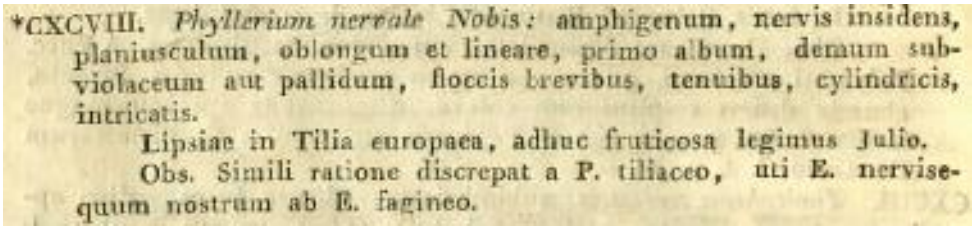


*CLVII. *Melanconium discolor Nobis:* stromate subconico, flavo, epidermidem penetrante; sporidiis ad latera stromatis in forma annuli affixis, oblongis, atris, arcte conglutinatis, cuticula clausis.

Habitat ramos Betulae albae exsiccatos per totum annum.

Fig. 7: *Melanconium discolor*, copy of the original description (Deutschl. Schwämme, Siebente Lieferung: 3, 1817).

Phyllerium nervale J.C. Schmidt & Kunze, Deutschl. Schwämme, Achte Lieferung: 6, 1818.
Syntype: J. C. Schmidt & Kunze, Deutschl. Schwämme CXCVIII (e.g. FH).



*CXCVIII. *Phyllerium nervale Nobis:* amphigenum, nervis insidens, planiusculum, oblongum et lineare, primo album, demum subviolaceum aut pallidum, floccis brevibus, tenuibus, cylindricis, intricatis.

Lipsiae in Tilia europaea, adhuc fruticosa leginus Julio.

Obs. Simili ratione discrepat a P. tiliaceo, uti E. nervisequum nostrum ab E. fagineo.

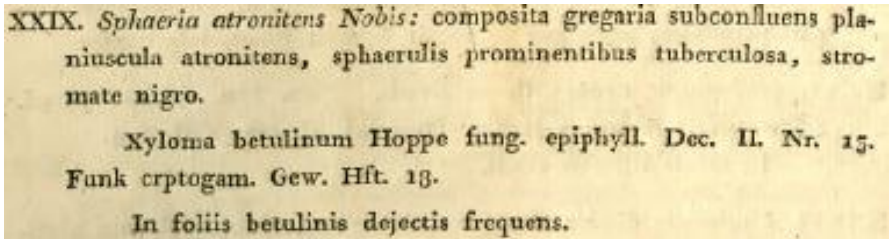
Fig. 8: *Phyllerium nervale*, copy of the original description (Deutschl. Schwämme, Achte Lieferung: 6, 1818).

Sphaeria atronitens J.C. Schmidt & Kunze, Deutschl. Schwämme, Zweite Lieferung: 3, 1815.
= ***Atopospora betulina*** (Fr. : Fr.) Petr., Ann. Mycol. **23**(1/2): 101, 1925.
Syntypes: J. C. Schmidt & G. Kunze, Deutschl. Schwämme XXIX (e.g. FH).

Notes: Schmidt & Kunze (l.c.) cited *Xyloma betulinum* as synonym, with reference to D.H. Hoppe, Fungi Epiphylli, II, 13, 1810 and H.C. Funck, Crypt. Gew. Bes. Fichtelgeb., Ed. II, Fasc. 18, No. 382, 1811. The

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name *X. betulinum* Funck (nom. nud., a duplicate deposited as HAL 3080 F has been examined) was reallocated in Steudel & Hochstetter (1826: 328) as *Rhytisma acerinum* var. (γ) *betulinum*. All *Sphaeria* names, including *Xyloma betulinum* Schultz (Prodr. Fl. Starg.: 435, 1806), are synonyms of *Xyloma betulinum* Fr. (Observ. Mycol. 1: 198, 1815) ≡ *Atopospora betulina*, which is a sanctioned name (sanctioning name: *Dothidea betulina* (Fr.) Fr., Syst. mycol. **2**(2): 554, 1823).



XXIX. *Sphaeria atronitens Nobis:* composita gregaria subconfluens planiuscula atronitens, sphaerulis prominentibus tuberculosa, stromate nigro.

Xyloma betulinum Hoppe fung. epiphyll. Dec. II. Nr. 15. Funk crptogam. Gew. Hft. 18.

In foliis betulinis dejectis frequens.

Fig. 9: *Sphaeria atronitens*, copy of the original description (Deutschl. Schwämme, Zweite Lieferung: 3, 1815).

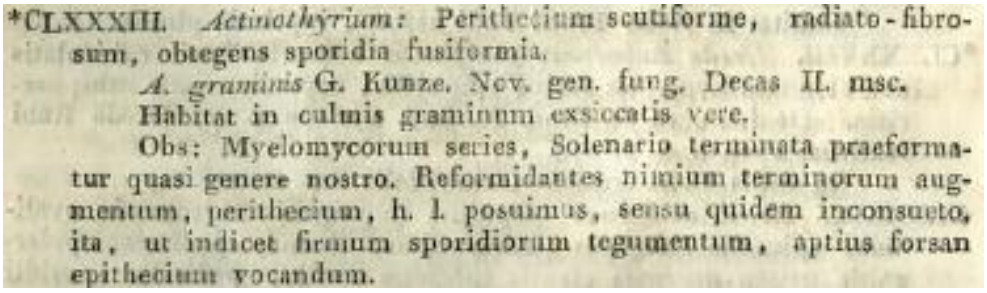
Kunze described additional taxa in F. Holl, "Plantae maderenses" as well as in C. Weigelt & G. Kunze, "Surinam (leg. et exsicc. Weigelt)", two further rather rare exsiccatae. Sets of these exsiccatae, comprising specimens with printed, unnumbered labels, were distributed among botanists and are now deposited and maintained in various herbaria, which fulfils the conditions of the Code to constitute effective publications of new taxa (Art. 30.7) that are valid as far as all other criteria, including provided descriptions on the labels, are met. The year of the distribution of F. Holl, "Plantae maderenses" is not quite clear. The samples were collected in 1827. Holl (1827, 1828) published two travel reports and a paper with scientific results in June 1830 (fungi were examined and described by Kunze 1830). The fungal collections were undoubtedly distributed in advance, probably between 1828 and early 1830. As printed on the label, the specimens for C. Weigelt & G. Kunze, "Surinam (leg. et exsicc. Weigelt)" were collected in 1827 and distributed in 1828 [see Holl (1828) who mentioned that the distribution started in January of this year].

Annotated List

Actinothyrium graminis Kunze, in Schmidt & Kunze, Deutschl. Schwämme, Achte Lieferung: 3, 1818 (: Fr., Syst. mycol. **2**(2): 597. 1823).

Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme CLXXXIII (HAL 3020 F).

Notes: Correct reference for the genus = *Actinothyrium* Kunze, in J.C. Schmidt & Kunze (l.c.). The description in Kunze, Mykol. Hefte **2**: 81, 1823, is secondary.



*CLXXXIII. *Actinothyrium:* Perithecium scutiforme, radiato-fibrosum, obtegens sporidia fusiformia.

A. graminis G. Kunze. Nov. gen. fung. Decas II. msc.

Habitat in culmis graminum exsiccatis vere.

Obs: Myelomycorum series, Solenario terminata praeformatur quasi genere nostro. Reformidantes nimium terminorum augmentum, perithecium, h. l. posuimus, sensu quidem inconsueto, ita, ut indicet firmum sporidiorum tegumentum, aptius forsan epithecium vocandum.

Fig. 10: *Actinothyrium graminis*, copy of the original description (Deutschl. Schwämme, Achte Lieferung: 3, 1818).

Aecidium avicularis Kunze [as "*avicullariae*"], in Schubert & Ficinus, Fl. Dresd., 2. Aufl.: 129, 1823.

= ***Uromyces polygoni-avicularis*** (Pers.) G. Otth, Mitt. Naturf. Ges. Bern, Heft **538–542**: 87, 1864.

Type: Germany, on *Polygonum avivulare*, G. Kunze (HAL 3011 F).

Aecidium ervi Wallr., Fl. Crypt. Germ. **2**: 247, 1833.

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≡ ***Uromyces ervi*** (Wallr.) Westend., Bull. Séances Cl. Sci. Acad. Roy. Sci. Belgique **21**(2): 246, 1854.

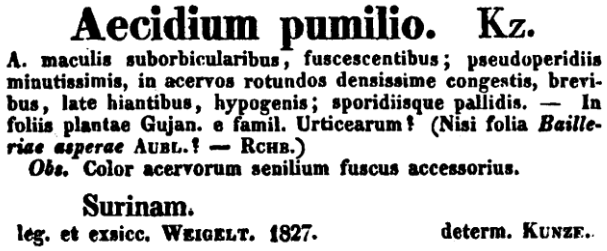
Type: Germany, on *Vicia hirsuta*, C. F. W. Wallroth (HAL 3009 F).

Aecidium pumilio Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828.

≡ ***Endophyllum pumilio*** (Kunze) Syd., in Syd. & P. Syd., Ann. Mycol. **18**(4–6): 179, 1920.

Syntype: Suriname, on leaves of *Clibadium surinamense*, C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1827), s.n. (HAL 3121 F).

Note: Validly published by Kunze with description on the printed label (see fig. 11), and not to be cited as "*Aecidium pumilio* Kunze ex Sacc., Syll. Fung. **11**: 221, 1895".



Aecidium pumilio. Kz.

A. maculis suborbicularibus, fuscescentibus; pseudoperidiis minutissimis, in acervos rotundos densissime congestis, brevibus, late hiantibus, hypogenis; sporidiisque pallidis. — In foliis plantae Gujan. e famil. Urticearum? (Nisi folia *Bailleriae asperae* Aubl.? — Rchb.)

Obs. **Color acervorum senilium fuscus accessorius.**

Surinam.

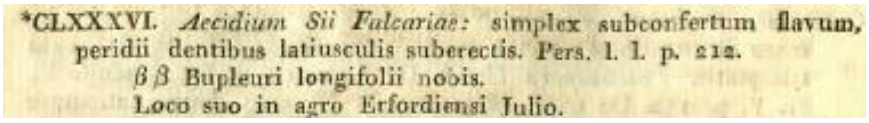
leg. et exsicc. Weigelt. 1827. determ. Kunze.

Fig. 11: *Aecidium pumilio* (original label).

Aecidium sii f. (ßß) *bupleuri-longifolii* J.C. Schmidt & Kunze, Deutschl. Schwämme, Achte Lieferung: 4, 1818.

Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme CLXXXVI (HAL 3010 F).

Notes: The reference to a different host species is sufficient for a valid publication of a forma of a plant pathogenic fungal species.



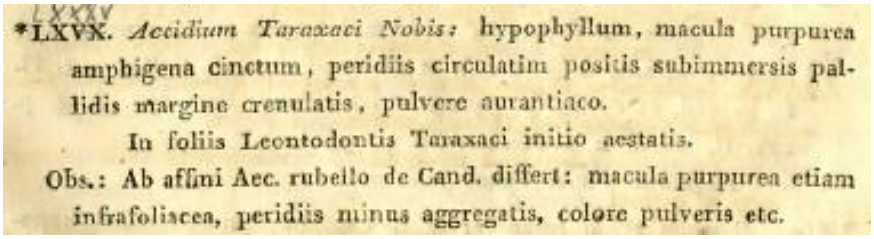
*CLXXXVI. *Aecidium Sii Falcariae:* simplex subconfertum flavum, peridii dentibus latiusculis suberectis. Pers. l. l. p. 212.

ββ Bupleuri longifolii nobis.

Loco suo in agro Erfordiensi Julio.

Fig. 12: *Aecidium sii* var. *bupleuri-falcariae* (original label).

Aecidium taraxaci J.C. Schmidt & Kunze, Deutschl. Schwämme, Vierte Lieferung: 3, 1816.
Syntypes: J. C. Schmidt & G. Kunze, Deutschl. Schwämme LXXXV (HAL 3110 F).



LXXXV

*LXVX. *Aecidium Taraxaci Nobis:* hypophyllum, macula purpurea amphigena cinctum, peridiis circulatim positis subimmersis pallidis margine crenulatis, pulvere aurantiaco.

In foliis Leontodontis Taraxaci initio aestatis.

Obs.: Ab affini Aec. rubello de Cand. differt: macula purpurea etiam infrafoliacea, peridiis minus aggregatis, colore pulveris etc.

Fig. 13: *Aecidium taraxaci*, copy of the original description (Deutschl. Schwämme, Vierte Lieferung: 3, 1816).

Agaricus synodicus Kunze, Linnaea **5**: 507, 1830.

≡ *Agaricus synodicus* Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828, nom. nud.
≡ ***Marasmiellus synodicus*** (Kunze) Singer, Sydowia **9**: 390, 1955.

Syntype: Kunze, Surinam (leg. et exsicc. Weigelt), 1827 (HAL 3019 F).

Agaricus umbelliferus var. (ß) *monticola* Klotzsch, in herb.

Original material: Scotland, "in alpibus scoticis", May to November, J. F. Klotzsch (HAL 3018 F).

Apiosporium salicis Kunze, in Kunze & Schmidt, Mykol. Hefte **1**: 8, 1817.

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Possible type: Germany, July, on litter of *Salix* sp., (?) G. Kunze (HAL 3135 F).

Notes: This is possibly type material (ex herb. Kunze), which is, however, not quite sure. In Index fungorum, *A. salicis* is considered a synonym of *Capnodium citri* (Pers.) Berk. & Desm., in Berk., J. Roy. Hort. Soc. **4**: 11, 1849 (≡ *Fumago citri* Pers., Mycol. eur. **1**: 9, 1822, ≡ *Polychaeton citri* (Pers.) Lév., in Orbigni, Dict. Univ. Hist. Nat. **8**: 493, 1846). Provided that this assumption is correct, the older valid name *A. salicis* would have priority. However, phylogeny and affinity in terms of family and genus are not yet finally resolved (see Chomnunti et al. 2011). Reynolds (1999) discussed the taxonomy and nomenclature of this species in detail.

Arthrinium curvatum Kunze & J.C. Schmidt, Mykol. Hefte **2**: 103, 1823 (: Fr., Syst. mycol. **3**(2): 377, 1832).

= *Pseudoguignardia scirpi* Gutner, Mater. Mikol. Fitopatol. Ross. **6**(1): 311, 1927.

≡ *Physalospora scirpi* (Gutner) Arx, Gen. Fungi Sporul. Cult.: 116, 1970.

Type: Germany, Saxony, Leipzig, on a leaf of *Scirpus sylvaticus*, G. Kunze (HAL 3138 F).

Arthrinium sporophleum Kunze & J.C. Schmidt, Mykol. Hefte **2**: 104, 1823 (: Fr., Syst. Mycol. **3**(2): 377, 1832).

≡ *Sporophleum gramineum* Nees, in Link, Sp. pl. **6**(1): 45, 1824.

Type: Switzerland, Basel, Grenznach, on a grass leaf, Hochstetter & Groh (HAL 3137 F).

Ascochyta aceris Lib., Pl. Crypt. Arduenna, fasc. 1, no. 54, 1830.

≡ ***Sphaerulina aceris*** (Lib.) Verkley, Quaedvl. & Crous, Stud. Mycol. **75**(1): 294, 2013.

Syntype: Arduenna, on leaves of *Acer pseudoplatanus*, Lib., Pl. Crypt. Arduenna, fasc. 1, no. 54 (HAL 3087 F).

Note: A valid name (with description on the printed label). The type host is *Acer pseudoplatanus* and not *A. campestris* as mentioned in Verkley et al. (2013: 295).

Ascochyta chelidonii Lib., Pl. Crypt. Arduenna, fasc. 1, no. 57, 1830.

= ***Septoria chelidonii*** (Lib.) Desm., Ann. Sci. Nat., Bot., sér. 2, **17**: 110, 1842.

Syntype: Arduenna, on leaves of *Chelidonium majus*, Lib., Pl. Crypt. Arduenna, fasc. 1, no. 57 (HAL 3086 F).

Note: A valid name (with description on the printed label). See also Mel'nik et al. (2000: 129).

Ascochyta convolvuli Lib., Pl. Crypt. Arduenna, fasc. 1, no. 56, 1830.

= ***Septoria convolvuli*** Desm., Ann. Sci. Nat., Bot., sér. 2, **17**: 108, 1842.

Syntype: Arduenna, on leaves of *Calystegia sepium*, Lib., Pl. Crypt. Arduenna, fasc. 1, no. 56 (HAL 3095 F).

Note: A valid name (with description on the printed label). See also Mel'nik et al. (2000: 130).

Ascochyta heraclei Lib., Pl. Crypt. Arduenna, fasc. 1, no. 51, 1830.

= ***Septoria heraclei*** (Lib.) Desm., Pl. Crypt. Nord France, Edn. 1, 11, no. 534, 1831.

Syntype: Arduenna, on leaves of *Heracleum sphondylium*, Lib., Pl. Crypt. Arduenna, fasc. 1, no. 51 (HAL 3097 F).

Note: A valid name (with description on the printed label). See also Mel'nik et al. (2000: 133).

Ascochyta pisi Lib., Pl. Crypt. Arduenna, fasc. 1, no. 59, 1830.

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

Syntype: Arduenna, on leaves of *Pisum sativum*, Lib., Pl. Crypt. Arduenna, fasc. 1, no. 59 (HAL 3088 F).

Note: A valid name (with description on the printed label). See also Mel'nik et al. (2000: 50).

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Ascochyta ribis Lib., Pl. Crypt. Arduenna, fasc. 1, no. 53, 1830.

= ***Septoria ribis*** (Lib.) Desm., (Lib.) Desm., Ann. Sci. Nat., Bot., sér. 2, **17**: 111, 1842.

Syntype: Arduenna, on leaves of *Ribes nigrum*, Lib., Pl. Crypt. Arduenna, fasc. 1, no. 53 (HAL 3094 F).

Note: A valid name (with description on the printed label). See also Mel'nik et al. (2000: 137).

Ascochyta rosarum Lib., Pl. Crypt. Arduenna, fasc. 1, no. 50, 1830.

= *Septoria rosae* Desm., Pl. Crypt. France, Edn 1, no. 535, 1831.
= ***Sphaerulina rehmiana*** Jaap, Abh. Bot. Ver. Prov. Brandenburg **52**: 12, 1910.

Syntype: Arduenna, on leaves of *Rosa tomentosa*, Lib., Pl. Crypt. Arduenna, fasc. 1, no. 50 (HAL 3093 F).

Note: A valid name (with description on the printed label). The identity of *Ascochyta rosarum* and *Septoria rosae* was confirmed by Mel'nik (1977), see also Mel'nik et al. (2000: 137).

Ascochyta vaccinii Lib., Pl. Crypt. Arduenna, fasc. 1, no. 47, 1830.

= ***Dothiorella latitans*** (Fr.) Sacc., Syll. Fung. **3**: 241, 1884.

Syntype: Arduenna, on leaves of *Vaccinium vitis-idaea*, Lib., Pl. Crypt. Arduenna, fasc. 1, no. 47 (HAL 3096 F).

Note: A valid name (with description on the printed label). Synonymy see Mel'nik et al. (2000: 141).

Asterosporium hoffmannii Kunze, Flora **2**: 225, 1819, nom. illeg.

≡ *Stilbospora asterosperma* Pers., Neues Mag. Bot. **1**: 93, 1794.
≡ ***Asterosporium asterospermum*** (Pers.) S. Hughes, Canad. J. Bot. **36**: 738, 1958.

Authentic material: Germany, Saxony, Lusatia (Lausitz) [Lübben], on stems of *Fagus sylvatica*, G. Kunze (HAL 3136 F).

Boletus grevillei Klotzsch, Linnaea **5**: 198, 1832.

≡ ***Suillus grevillei*** (Klotzsch) Singer, Farlowia **2**: 259, 1945.

Type: Scotland, Kinnordy and near Inveary, J. F. Klotzsch (HAL 3017 F).

Bryocladium maculans Kunze, in Holl, Plantae maderenses, s.n., 1828–1830.

≡ ***Meliola maculans*** (Kunze) Hansf., Beih. Sydowia **2**: 49, 1961.

Syntype: Madeira, "pr. Camacho supra folia Lauri", C. F. Holl, Plantae maderenses, s.n., 1827 (HAL 3016 F).

Notes: The printed unnumbered label of the exsiccata bears a Latin description (fig. 14) constituting a valid publication of *B. maculans*. The publication of this name by Kunze (1830: 370) is secondary.

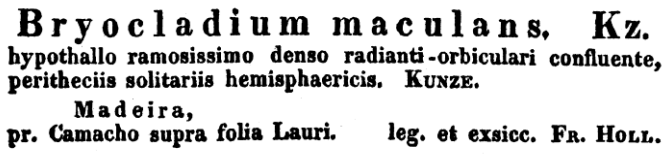

Bryocladium maculans. Kz.
hypothallo ramosissimo denso radianti-orbiculari confluente,
peritheciis solitariis hemisphaericis. KUNZE.
Madeira,
pr. Camacho supra folia Lauri. leg. et exsicc. FR. HOLL.

Fig. 14: *Bryocladium maculans* (original label).

Bryocladium weigeltii Kunze (as "*weigelti*"), in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828.

≡ ***Meliola bignoniacearum*** var. ***weigeltii*** Hansf., Sydowia **10**: 64, "1956", 1957.

Syntypes: Surinam, "in fol. Plant. Gujan. Pinnato (*Bignoniae albae*?)", Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt, 1827), s.n. (HAL 3015 F, 3131 F).

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Notes: The printed unnumbered label of the exsiccata bears a Latin description (fig. 15) constituting a valid publication of *B. weigeltii*. The genus *Bryocladium* Kunze was simultaneously described on this label. *B. weigeltii* is still lacking in Index Fungorum and MycoBank.

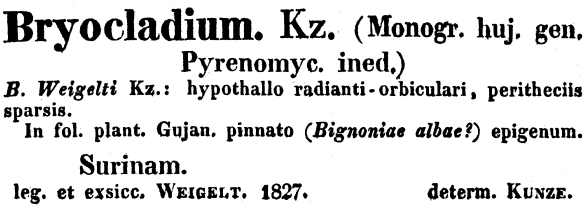

Bryocladium. Kz. (Monogr. huj. gen. Pyrenomyc. ined.)
B. Weigelti Kz.: hypothallo radianti-orbiculari, peritheciis sparsis.
In fol. plant. Gujan. pinnato (*Bignoniae albae?*) epigenum.
Surinam.
leg. et exsicc. WEIGELT. 1827. determ. KUNZE.

Fig. 15: *Bryocladium weigeltii* (original label).

Caeoma dorsteniae Schltdl., Linnaea **1**: 247, 1826.

Type: Italy, on *Dorstenia contrajerva*, ex herb. G.-B. Balbis [Genua] (HAL 3099 F).

Caeoma lysimachiae Schltdl., Fl. berol. **2**: 113, 1824.

= ***Puccinia limosae*** Magnus, Tagebl. Nat. Ver. München **50**: 199, 1877.

Type: Germany, Berlin, on *Lysimachia thyrsiflora*, D. F. L. von Schlechtendal (HAL 3008 F).

Notes: The type material of *Caeoma lysimachiae* deposited at HAL has been examined and its identity as aecidial stage of *Puccinia limosae* has been confirmed. The name *C. lysimachiae* is older than *P. limosae*, but the epithet "*lysimachiae*" is preoccupied in *Puccinia* by *P. lysimachiae* P. Karst., 1884.

Caeoma myiochodon Schltdl., Linnaea **1**: 247, 1826.

Type: Germany, Nordrhein-Westfalen, Driburg, on *Alchemilla vulgaris*, herb. Schlechtendal (HAL 3081 F).

Caeoma saliceti Schltdl., Fl. Berol. **2**: 124, 1824.

= ***Melampsora salicis-albae*** Kleb., Jahrb. Wiss. Bot. **35**: 679, 1901.

Type: Berlin, Spandau, on leaves of *Salix alba*, D. F. L. von Schlechtendal (HAL 3064 F).

Notes: The type material of *C. saliceti* has been examined and proved to be a heterotypic, anamorph-typified synonym of *Melampsora salicis-albae* which is teleomorph-typified. *C. saliceti* is older, but preference should be given to the teleomorph-typified name *M. salicis-albae*.

Cephaleuros densus Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828.

Syntype: Suriname, C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1827), s.n. (HAL 3066 F).

Notes: *C. densus* is validly published in this exsiccata with a description on the printed label (see fig. 16). Although originally treated as a fungus and included in Fries, Syst. mycol. **3**: 327, 1832, *C. densus* is an alga (*Trentepohliaceae*).

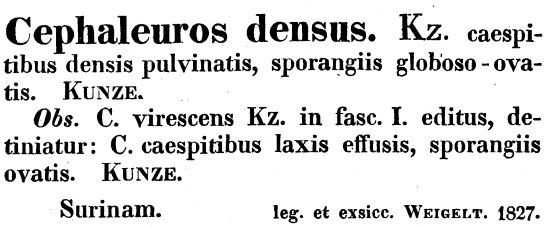

Cephaleuros densus. Kz. caespitibus densis pulvinatis, sporangiis globoso-ovatis. KUNZE.
Obs. C. virescens Kz. in fasc. I. editus, detiniatur: C. caespitibus laxis effusis, sporangiis ovatis. KUNZE.
Surinam. leg. et exsicc. WEIGELT. 1827.

Fig. 16: *Cephaleuros densus* (original label).

Cephaleuros virescens Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828.

Syntypes: Suriname, C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1827), s.n. (HAL 3065 F, 3132 F).

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Notes: *C. virescens* is validly published in this exsiccata with a description on the printed label (see fig. 17). Although originally treated as fungus and included in Fries, Syst. mycol. **3**: 327, 1832, *C. virescens* is an alga (*Trentepohliaceae*).

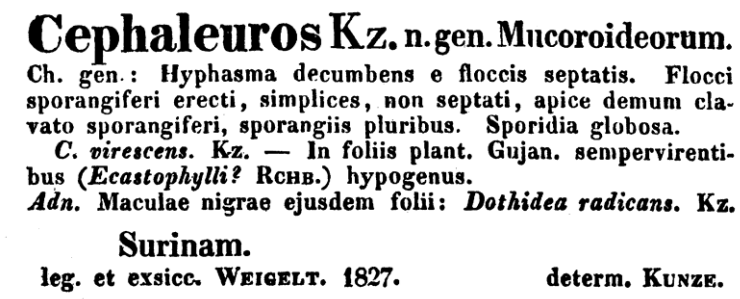

Cephaleuros Kz. n. gen. Mucoroideorum.
Ch. gen.: Hyphasma decumbens e floccis septatis. Flocci sporangiferi erecti, simplices, non septati, apice demum clavato sporangiferi, sporangiis pluribus. Sporidia globosa.
C. virescens. Kz. — In foliis plant. Gujan. sempervirentibus (*Ecastophylli?* Rchb.) hypogenus.
Adn. Maculae nigrae ejusdem folii: *Dothidea radicans.* Kz.
Surinam.
leg. et exsicc. Weigelt. 1827. determ. Kunze.

Fig. 17: *Cephaleuros virescens* (original label).

Chaetomium elatum Kunze, in Schmidt & Kunze, Deutschl. Schwämme, Achte Lieferung: 3, 1818 (: Fr., Syst. mycol. **3**: 254, 1829).

Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme CLXXXVIV (HAL 3071 F, 3134 F).

Chaetomium globosum Kunze, in Kunze & Schmidt, Mykol. Hefte **1**: 16, 1817 (: Fr., Syst. mycol. **3**: 255, 1829).

Type: Germany, Saxony, Leipzig, G. Kunze (HAL 3133 F).

Cheilaria agrostidis Lib., Pl. Crypt. Arduenna, fasc. 1, no. 63, 1830.

Syntype: Arduenna, on leaves of *Agrostis capillaris*, Lib., Pl. Crypt. Arduenna, fasc. 1, no. 63 (HAL 3083 F).

Note: A valid name (with description on the printed label). The reference to "Ann. Sci. Nat., Bot., sér. 2, **7**: 125, 1837" is incorrect.

Chloridium griseum Ehrenb., Sylv. mycol. berol.: 23, 1818.

≡ ***Chaetopsis grisea*** (Ehrenb.) Sacc., Michelia **2**(8): 640, 1882.

Syntypes: [Germany, Berlin], C. G. Ehrenberg (B 700016298, HAL 3025).

Corynelia poculiformis Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828.

≡ *Hypoxylon poculiforme* (Kunze) Mont., Ann. Sci. Nat., Bot., sér 2, **13**: 354, 1840.
≡ ***Phylacia poculiformis*** (Kunze) Mont., Ann. Sci. Nat., Bot., sér 4, **3**: 135, 1855.

Syntype: Surinam, C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1827), s.n. (HAL 3026 F).

Notes: *C. poculiformis* is validly published in this exsiccata with a description on the printed label (see fig. 18).

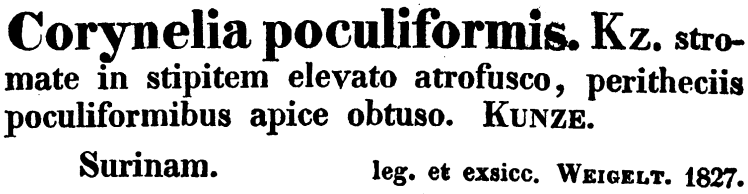

Corynelia poculiformis. Kz. stromate in stipitem elevato atrofusco, peritheciis poculiformibus apice obtuso. Kunze.
Surinam. leg. et exsicc. Weigelt. 1827.

Fig. 18: *Corynelia poculiformis* (original label).

Coryneum pulvinatum Kunze, in Kunze & Schmidt, Mykol. Hefte **1**: 78, 1817.

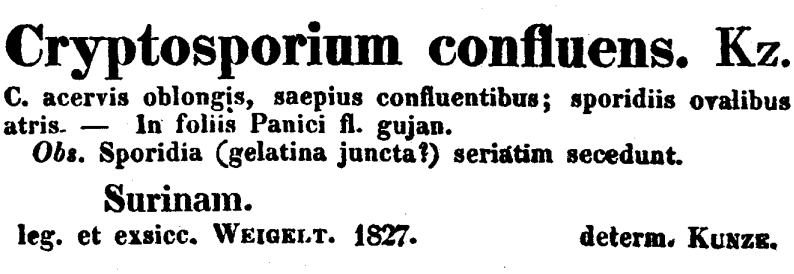
≡ ***Stigmina pulvinata*** (Kunze) M.B. Ellis, Mycol. Pap. **72**: 41, 1959.

Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme CXXXVI (HAL 3027 F).

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Cryptosporium confluens Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828 (: Fr., Syst. mycol. **3**(2): 483, 1832).

Syntype: Suriname, "in foliis Panici f. gujan.", C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1827), s.n. (HAL 3120 F).



Cryptosporium confluens. Kz.

C. acervis oblongis, saepius confluentibus; sporidiis ovalibus atris. — In foliis Panici fl. gujan.

***Obs.* Sporidia (gelatina juncta?) seriatim secedunt.**

Surinam.

leg. et exsicc. WEIGELT. 1827. determ. KUNZE.

Fig. 19: *Cryptosporium confluens* (original label).

Cyclomyces fuscus Kunze ex Fr., Linnaea **5**: 512, 1830.

≡ ***Hymenochaete cyclolamellata*** T. Wagner & M. Fisch., Mycol. Progr. **1**: 101, 2002.

Type: Mauritius, F. W. Sieber 63 (HAL 3028 F).

Cytospora foliicola Lib., Pl. Crypt. Arduenna, fasc. 1, no. 63, 1830.

= ***Ceuthospora foliicola*** (Lib.) Cooke, Grevillea **8**(46): 60, 1879.

Syntype: Arduenna, on dead leaves of *Hedera* and *Vinca*, Lib., Pl. Crypt. Arduenna, fasc. 1, no. 64 (HAL 3089 F).

Note: A valid name (with description on the printed label).

Cytospora resinae Ehrenb., Sylv. mycol. berol.: 28, 1818.

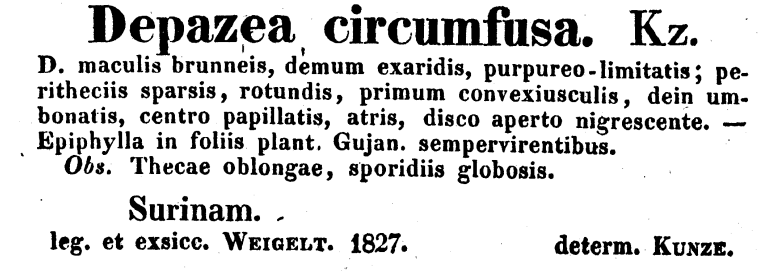
≡ ***Pycnidiella resinae*** (Ehrenb.) Höhn., Sitzungsber. Kaiserl. Akad. Wiss., Math.-Nat. Kl., Abt. I, **124**: 91, 1915.

Syntypes: [Germany, Berlin], C. G. Ehrenberg (B 700016297, HAL 3029 F).

Depazea circumfusa Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828.

Syntypes: Suriname, "in foliis plant. Gujan. sempervirentibus", C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1827), s.n. (HAL 3041 F, 3109 F).

Notes: The name *D. circumfusa* (hitherto not listed in Index fungorum and MycoBank) is validly published in this exsiccata with a description on the printed label (see fig. 20).



Depazea circumfusa. Kz.

D. maculis brunneis, demum exaridis, purpureo-limitatis; peritheciis sparsis, rotundis, primum convexiusculis, dein umbonatis, centro papillatis, atris, disco aperto nigrescente. — Epiphylla in foliis plant. Gujan. sempervirentibus.

***Obs.* Thecae oblongae, sporidiis globosis.**

Surinam.

leg. et exsicc. WEIGELT. 1827. determ. KUNZE.

Fig. 20: *Depazea circumfusa* (original label).

Dothidea grammodes Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828.

≡ ***Pseudomeliola grammodes*** (Kunze) Arx, Acta Bot. Néerl. **7**: 514, 1958.

Syntype: Suriname, "in foliis *Crotalariae retusae*", C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1827), s.n. (HAL 3042 F).

Notes: The name *Dothidea grammodes* is validly published in this exsiccata with a description on the printed label (see fig. 21).

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Dothidea grammodes. Kz. epiphylla atra, macula nulla, tuberculis rugosis in lineas subreticulatas dispositis, demum collapsis. Kz. Hab. in foliis *Crotalariae retusae.*
Surinam. leg. et exsicc. WEIGELT. 1827.

Fig. 21: *Dothodea grammodes* (original label).

Dothodea melastomatis Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828.

≡ ***Phyllachora melastomatis*** (Kunze) Sacc., Syll. Fung. **2**: 611, 1883.

Syntypes: Suriname, "in foliis Melastomatis epigena", C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1827), s.n. (HAL 3043 F, 3108 F).

Notes: The name *Dothidea melastomatis* is validly published in this exsiccata with a description on the printed label (see fig. 22). The description by Fries (in Linnaea **5**: 548, 1830) is secondary.

Dothidea Melastomatis. Kz.
D. epiphylla, subrotunda, rugosa, medio tuberculosa, margine radioso-fibrosa, ab initio cinerascens, demum atra; cellulis albis. In foliis Melastomatis epigena.
***Obs.* Iuvenilis Asteroma refert. Sporidia minutissima, globosa.**
Surinam.
leg. et exsicc. WEIGELT. 1827. determ. KUNZE.

Fig. 22: *Dothodea melastomatis* (original label).

Eurotium epixylum J.C. Schmidt & Kunze, Deutschl. Schwämme, Vierte Lieferung: 3, 1816.

Syntype: J.C. Schmidt & G. Kunze, Deutschl. Schwämme LXXXIII (HAL 3078 F).

*LXXXIII. *Eurotium epixylum Nobis:* thallo primum aurantiaco, demum badio, sporangiis crebris sulphureis.
In ligno betulino caeso provenit, madente coelo Aug. et Sept.

Fig. 23: *Eurotium epixylum*, copy of the original description (Deutschl. Schwämme, Vierte Lieferung: 3, 1816).

Excipula melanophaea Kunze ex Fr., Syst. mycol. **2**(1): 199, 1822.

≡ ***Ptilidium melanophorum*** (Kunze ex Fr.) Höhn., Mitt. Bot. Inst. Tech. Hochsch. Wien **7**(1): 16, 1930.

Type: Germany, Saxony, Dresden, on fir cones, H. D. A. Ficinus (HAL 3100 F).

Geoglossum sphagnophyllum Ehrenb., Sylv. mycol. berol.: 30, 1818.

Type: [Germany, Berlin; "in sphagnetis agri"], C. G. Ehrenberg (HAL 2998 F).

Notes: According to Index fungorum a synonym of ***G. glabrum*** Pers.

Gyrolophium mauritianum Kunze ex Krombh., Naturgetr. Abbild. Beschr. Schwämme: 76 [tab. 5, fig. 16], 1831.

= ***Dictyonema glabratum*** (Spreng.) D. Hawksw., Lichenologist **20**: 101, 1988.

Type: Mauritius, F. W. Sieber 65 (HAL3024 F).

Hypochnus rubrocinctus Ehrenb., in Nees, Horae phys. berol.: 84, 1820.

Isolectotype: [Germany, Berlin], C.G. Ehrenberg (HAL 2999 F).

Notes: Aptroot et al. (2009) designated a specimen deposited at L as lectotype. The material concerned was collected by A. von Chamisso in Brazil (unknown locality, no date). Popov (2014) traced

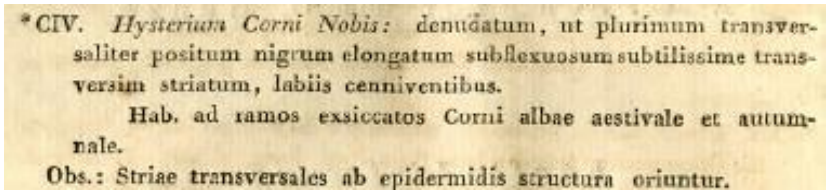
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isolectotype material in the herbarium of the Komarov Botanical Institute in St. Petersburg (LE). Schlechtendal's herbarium comprises numerous duplicates of Chamisso's collection. It is very probable that the material deposited in Schlechtendal's herbarium as "*Hypochnus rubrocinctus*!" (in spite of lacking additional data on the label) represents an additional duplicate of Chamisso's material.

Hysterium corni J.C. Schmidt & Kunze, Deutschl. Schwämme, Fünfte Lieferung: 2, 1816 (: Fr., Syst. mycol. **2**(2): 586, 1823).

≡ ***Hypoderma corni*** (J.C. Schmidt & Kunze : Fr.) De Not., Giorn. Bot. Ital. **2**(7–8): 37, 1847.

Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme CIV (HAL 3023 F).



*CIV. *Hysterium Corni Nobis:* denudatum, ut plurimum transversaliter positum nigrum elongatum subflexuosum subtilissime transversim striatum, labiis conniventibus.

Hab. ad ramos exsiccatos Corni albae aestivale et autumnale.

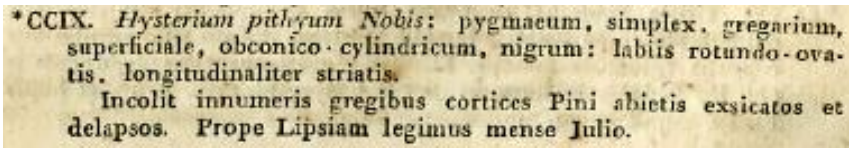
Obs.: Striae transversales ab epidermidis structura oriuntur.

Fig. 24: *Hysterium corni*, copy of the original description (Deutschl. Schwämme, Fünfte Lieferung: 2, 1816).

Hysterium pithyum J.C. Schmidt & Kunze, Deutschl. Schwämme, Neunte Lieferung: 3, 1819.

Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme CCIX (HAL 3022 F).

Notes: Identity and status unclear, hitherto not included in Index fungorum and MycoBank.



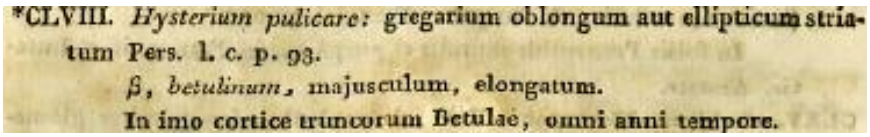
*CCIX. *Hysterium pithyum Nobis*: pygmaeum, simplex, gregarium, superficiale, obconico-cylindricum, nigrum: labiis rotundo-ovatis, longitudinaliter striatis.

Incolit innumeris gregibus cortices Pini abietis exsicatos et delapsos. Prope Lipsiam legimus mense Julio.

Fig. 25: *Hysterium pithyum*, copy of the original description (Deutschl. Schwämme, Neunte Lieferung: 3, 1819).

Hysterium pulicare var. (ß) *betulinum* J.C. Schmidt & Kunze, Deutschl. Schwämme, Siebente Lieferung: 3, 1817.

Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme CLVIII (HAL 3021 F).



*CLVIII. *Hysterium pulicare:* gregarium oblongum aut ellipticum striatum Pers. l. c. p. 93.

ß, *betulinum*, majusculum, elongatum.

In imo cortice truncorum Betulae, omni anni tempore.

Fig. 26: *Hysterium pulicare* var. *betulinum*, copy of the original description (Deutschl. Schwämme, Siebente Lieferung: 3, 1817).

Leptostroma calamariae Kunze ex Sacc., Syll. Fung. **11**: 556, 1895.

≡ *Leptostroma calamariae* Kunze in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828, nom. nud.

Syntype: Surinam, C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1827), s.n. (HAL 3030 F).

Leptostroma iridis Ehrenb., Sylv. mycol. berol.: 27, 1818.

≡ ***Ectostroma iridis*** (Ehrenb.) Fr., Syst. mycol. **2**(2): 602, 1823.

Type: [Germany, Berlin], on dead leaves of *Iris pseudacorus*, C. G. Ehrenberg (HAL 3102 F).

Leptostroma luzulae Lib., Pl. Crypt. Arduenna, fasc. 1, no. 75, 1830.

Syntype: Arduenna, on leaves of *Luzula sylvatica*, Lib., Pl. Crypt. Arduenna, fasc. 1, no. 75 (HAL 3128 F).

Note: A valid name (with description on the printed label).

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Leptostroma musae Ehrenb., in herb.

Authentic material: [Germany, Berlin], on dead leaves of *Musa* sp. (HAL 3103 F).

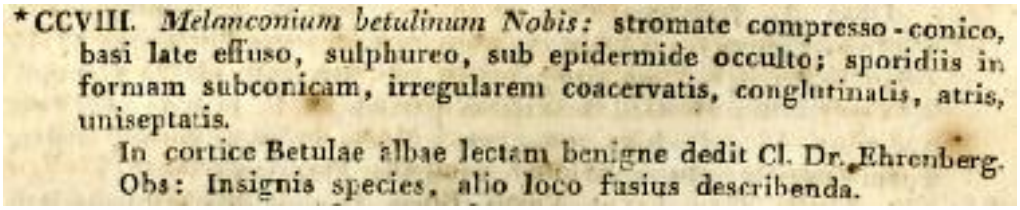
Note: Only sterile stromata (see Diedicke 1913: 172).

Leptothyrium lunariae Kunze, in Kunze & Schmidt, Mykol. Hefte **2**: 79, 1823.

Syntype: Switzerland, on dead stems of *Lunaria rediviva*, J. F. de Chaillet (HAL 3127 F).

Melanconium betulinum J.C. Schmidt & Kunze, Deutschl. Schwämme, Neunte Lieferung: 3, 1819.

Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme CCVIII (HAL 3069 F).



*CCVIII. *Melanconium betulinum Nobis:* stromate compresso-conico, basi late effuso, sulphureo, sub epidermide occulto; sporidiis in formam subconicam, irregularem coacervatis, conglutinatis, atris, uniseptatis.

In cortice Betulae albae lectam benigne dedit Cl. Dr. Ehrenberg.

Obs: Insignis species, alio loco fusius describenda.

Fig. 27: *Melanconium betulinum*, copy of the original description (Deutschl. Schwämme, Neunte Lieferung: 3, 1819).

Mucor rhombosporus Ehrenb., Sylv. mycol. berol.: 25, 1818.

= *Spinellus fusiger* (Link) Tiegh., Ann. Sci. Nat., Bot., sér. 6, **1**: 66, 1875.

Type: [Germany, Berlin], C. G. Ehrenberg (HAL 3000 F).

Mucor stoloniferer Ehrenb., Sylv. mycol. berol.: 25, 1818.

≡ ***Rhizopus stolonifer*** (Ehrenb.) Vuill., Rev. Mycol. (Toulouse) **24**: 54, 1902.

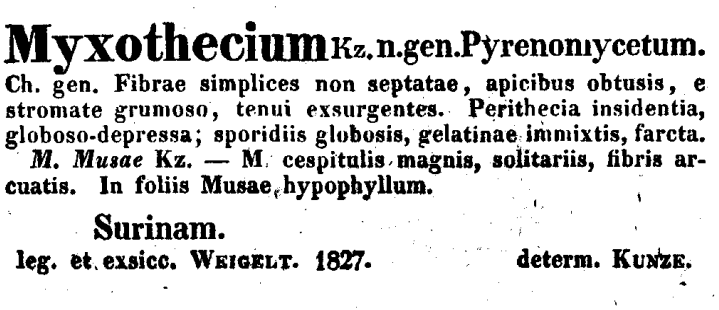
Type: [Germany, Berlin], C. G. Ehrenberg (HAL 3056 F).

Myxothecium musae Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828 (: Fr., Syst. Mycol. **3**(1): 232, 1829).

≡ ***Meliola musae*** (Kunze : Fr.) Mont., Syll. Gen. Sp. Crypt.: 254, 1856.

Syntype: Surinam, C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1827), s.n. (HAL 3125 F).

Notes: Validly published in the exsiccata (fig. 28).



Myxothecium Kz. n. gen. Pyrenomycetum.

Ch. gen. Fibrae simplices non septatae, apicibus obtusis, e stromate grumoso, tenui exsurgentes. Perithecia insidentia, globoso-depressa; sporidiis globosis, gelatinae immixtis, farcta.

M. Musae Kz. — M. cespitulis magnis, solitariis, fibris arcuatis. In foliis Musae, hypophyllum.

Surinam.

leg. et exsicc. Weigelt. 1827. determ. Kunze.

Fig. 28: *Myxothecium musae* (original label).

Myxothecium palmarum Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828 (: Fr., Syst. Mycol. **3**(1): 232, 1829).

≡ ***Scolionema palmarum*** (Kunze : Fr.) Theiss. & Syd., Ann. Mycol. **15**: 410 "1917", 1918.

Syntypes: Surinam, C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1827), s.n. (HAL 3034 F, 3126 F).

Notes: Validly published in the exsiccata (fig. 29).

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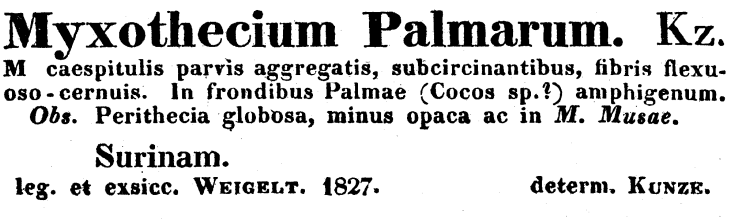

Myxothecium Palmarum. Kz.
M caespitulis parvis aggregatis, subcircinantibus, fibris flexuoso-cernuis. In frondibus Palmae (Cocos sp.?) amphigenum.
Obs. Perithecia globosa, minus opaca ac in *M. Musae*.
Surinam.
leg. et exsicc. Weigelt. 1827. determ. Kunze.

Fig. 29: *Myxothecium palmarum* (original label).

Naemaspora encephalum Ehren, Sylv. mycol. berol.: 22, 1818.

Type: [Germany, Berlin], C. G. Ehrenberg (HAL 3035 F).

Peziza chavetiae Lib., Pl. Crypt. Arduenna, fasc. 1, no. 26, 1830.

= ***Eriopeziza caesia*** (Pers.) Rehm, in Winter, Rabenh. Krypt.-Fl., Edn. 2, 1, 3 (Lfg. 38): 695, 1892.

Syntype: Arduenna, on fallen oak wood, Lib., Pl. Crypt. Arduenna, fasc. 1, no. 26 (HAL 3092 F).

Note: A valid name (with description on the printed label).

Peziza lecanora J.C. Schmidt & Kunze, Deutschl. Schwämme, Siebente Lieferung: 6, 1817.

≡ ***Propolis lecanora*** (J.C. Schmidt & Kunze) De Not., Comm. Soc. Crittog. Ital.: 10, 1863.

Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme CLXXIV (HAL 3001 F).

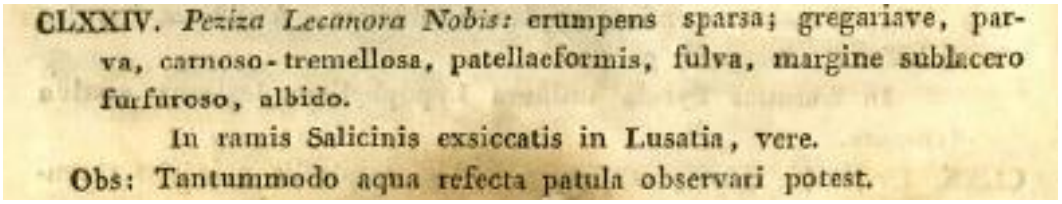

CLXXIV. *Peziza Lecanora Nobis:* erumpens sparsa; gregariave, parva, carnoso-tremellosa, patellaeformis, fulva, margine sublacero furfuroso, albido.
In ramis Salicinis exsiccatis in Lusatia, vere.
Obs: Tantummodo aqua refecta patula observari potest.

Fig. 30: *Peziza lecanora*, copy of the original description (Deutschl. Schwämme, Siebente Lieferung: 6, 1817).

Peziza neglecta Lib., Pl. Crypt. Arduenna, fasc. 1, no. 29, 1830.

≡ ***Calloria neglecta*** (Lib.) B. Hein, Willdenowia, Beih. **9**: 54, 1976.

Syntype: Arduenna, on dead stems of *Urtica dioica* and *Solanum tuberosum*, Lib., Pl. Crypt. Arduenna, fasc. 1, no. 29 (HAL 3098 F).

Note: A valid name (with description on the printed label).

Peziza nidulus J.C. Schmidt & Kunze, Deutschl. Schwämme, Dritte Lieferung: 6, 1816 (: Fr., Syst. mycol. **2**(1): 104, 1822).

≡ ***Lasiobelonium nidulum*** (J.C. Schmidt & Kunze : Fr.) Spooner, Bibl. Mycol. **115**: 576, 1987.

≡ *Trichopezizella nidulus* (J.C. Schmidt & Kunze : Fr.) Raitv., Scripta Mycol. (Tartu) **1**: 59, 1970.

Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme LXXII (HAL 3002 F).

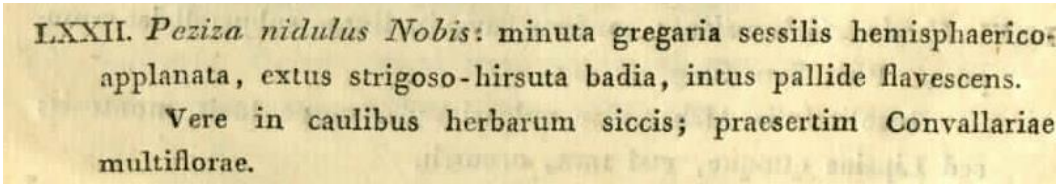

LXXII. *Peziza nidulus Nobis*: minuta gregaria sessilis hemisphaerico-applanata, extus strigoso-hirsuta badia, intus pallide flavescens.
Vere in caulibus herbarum siccis; praesertim Convallariae multiflorae.

Fig. 31: *Peziza nidulus*, copy of the original description (Deutschl. Schwämme, Dritte Lieferung: 6, 1816).

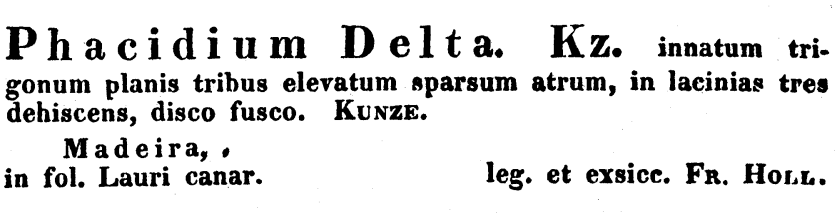
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Phacidium delta Kunze, in Holl, Plantae maderenses, s.n., 1828–1830.

≡ ***Coccomyces delta*** (Kunze) Sacc., Bol. Soc. Brot. **11**: 13, 1893.

Syntype: Madeira, on leaves of *Apollonias barbujana* (= *Laurus canariensis*), F. Holl, Plantae maderenses, s.n., leg. et exsicc. F. Holl, 1827 (HAL 3036 F).

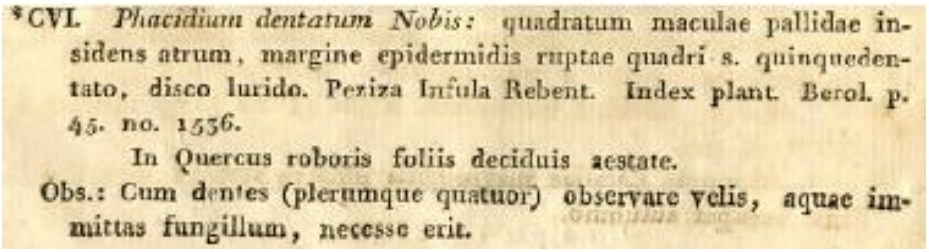
Notes: Validly published in the exsiccata with description on the label (see fig. 32). The description by Fries (in Linnaea **5**: 551, 1830) is secondary.


Phacidium Delta. Kz. innatum trigonum planis tribus elevatum sparsum atrum, in lacinias tres dehiscens, disco fusco. KUNZE.

Madeira,
in fol. Lauri canar. leg. et exsicc. FR. HOLL.

Fig. 32: *Phacidium delta* (original label).

Phacidium dentatum J.C. Schmidt & Kunze, Deutschl. Schwämme, Fünfte Lieferung: 2, 1816.
Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme CVI (HAL 3107 F).


*CVI. *Phacidium dentatum Nobis:* quadratum maculae pallidae insidens atrum, margine epidermidis ruptae quadri s. quinquedentato, disco lurido. Peziza Infula Rebent. Index plant. Berol. p. 45. no. 1536.

In Quercus roboris foliis deciduis aestate.

Obs.: Cum dentes (plerumque quatuor) observare velis, aquae immittas fungillum, necesse erit.

Fig. 33: *Phacidium dentatum*, copy of the original description (Deutschl. Schwämme, Fünfte Lieferung: 2, 1816).

Physarum compactum Ehrenb., Sylv. mycol. berol.: 26, 1818.

= ***Physarum citrinum*** Schumach., Enum. pl. **2**: 201, 1803.

Type: [Germany, Berlin], C. G. Ehrenberg (HAL 3037 F).

Notes: Taxonomy and nomenclature according to Lado (2001: 67).

Polyactis carnea Ehrenb., Sylv. mycol. berol.: 25, 1818.

= *Ostracoderma carneum* (Ehrenb.) S. Hughes, Canad. J. Bot. **23**(6): 792, 1958.

Type: [Germany, Berlin], C. G. Ehrenberg (HAL 3038 F).

Polyporus leonius Klotzsch, Linnaea **8**: 486, 1833.

≡ ***Trametes leonius*** (Klotzsch) Imazeki, Bull. Gov. Forest Exp. Sta. Meguro **57**: 120, 1952.

Type: India, on decaying wood, Dr. Wight [ex herb. J. F. Klotzsch] (HAL 3040 F).

Polyporus parvulus Klotzsch, Linnaea **8**: 483, 1833, nom. illeg., non Schwein., 1832.

= ***Coltricia cinnamomea*** (Jacq.) Murrill, Bull. Torrey Bot. Club **31**: 343, 1904.

Type: USA, Richardson [ex herb. J. F. Klotzsch] (HAL 3039 F).

Puccinia asarina Kunze, Mykol. Hefte **1**: 70, 1817 [April].

≡ *Puccinia asarina* Kunze, in J.C. Schmidt & Kunze, Deutschl. Schwämme, Sechste Lieferung: 6, 1817 [between July and October].

Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme CXLVIII; on *Asarum europaeum* (HAL 2996 F).

Puccinia gregaria Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828.

≡ ***Dasyospora gragaria*** (Kunze) Henn., Hedwigia **35**(5): 231, 1896.

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Syntype: Suriname, on leaves of *Xylopia* sp., C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1927), s.n. (HAL 3084 F).

Notes: Validly published in the exsiccata (fig. 34).

Puccinia gregaria. Kz.

P. maculis fuscescentibus, subrotundis; acervis aggregatis, subannulatim positis, bullatis, parvis, irregularibus, hypogenis, epidermide rupta cinctis; sporidiis umbrinis, pedicellis brevibus. Hab. in foliis sempervirentibus plantae Gujan.

***Adn.* Rarissime acervi sparsi epigeni observantur. — Tomentulum flavum in quibusdam acervis obvium, est *Oidium parasiticum*. Kz.**

Surinam.

leg. et exsicc. WEIGELT. 1827. determ. KUNZE.

Fig. 34: *Puccinia gregaria* (original label).

Puccinia luzulae Lib., Pl. Crypt. Arduenna, fasc. 1, no. 94, 1830.

Syntype: Arduenna, on living leaves of *Luzula pilosa*, Lib., Pl. Crypt. Arduenna, fasc. 1, no. 94 (HAL 3091 F).

Note: A valid name (with description on the printed label).

Puccinia saginae J.C. Schmidt & Kunze, Deutschl. Schwämme, Neunte Lieferung: 6, 1819.

= ***Puccinia arenariae*** (Schumach.) G. Winter, Hedwigia **19**: 38, 1880.

Syntypes: J. C. Schmidt & G. Kunze, Deutschl. Schwämme CCXXI (HAL 3014 F, 3118 F).

*CCXXI. *Puccinia Saginae Nobis:* cespitulis amphigenis, epicaulis, epimischis et epanthis, ex rotundo oblongis aut elongatis, pulvinatis, subsolitariis, demum epidermide omnino liberis, badiis; sporidiis compactis, cylindricis, uniseptatis, pellucidis: pedunculo elongato tenui.

In Sagina procumbente prope Delitium, Saxoniae oppidum, obvia aestate.

Fig. 35: *Puccinia saginae*, copy of the original description (Deutschl. Schwämme, Neunte Lieferung: 6, 1819).

Puccinia senecionis Lib., Pl. Crypt. Arduenna, fasc. 1, no. 92, 1830.

Syntype: Arduenna, on living leaves of *Senecio ovatus*, Lib., Pl. Crypt. Arduenna, fasc. 1, no. 92 (HAL 3090 F).

Note: A valid name (with description on the printed label).

Rhizomorpha corynecarpos Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828.

Syntypes: Suriname, C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1927), s.n. (HAL 3055 F, 3124 F).

Notes: *R. corynecarpos* is validly published in this exsiccata with a description on the printed label (see fig. 36). This name is not yet included in Index fungorum and MycoBank.

Rhizomorpha corynecarpos. Kz.

cylindrica ramosa flexuosa peritheciisque clavato-subcapitatis divergentibus niveo-lanatis copiosisissimis approximatis. KUNZE.

***Obs.* Proxima *R. divergenti* GREV. scot. crypt. fl. n. 154. Kz.**

Surinam. leg. et exsicc. WEIGELT. 1827.

Fig. 36: *Rhizomorpha corynecarpos* (original label).

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Scleroderma areolatum Ehrenb., Sylv. mycol. berol.: 22, 1818.

Type: [Germany, Berlin], C. G. Ehrenberg (HAL 3057 F).

Sclerotium difforme Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828, nom. nud.

Syntype: Suriname, C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1927), s.n. (HAL 3058 F).

Sclerotium inclusum Pers. ex J.C. Schmidt & Kunze, Deutschl. Schwämme, Sechste Lieferung: 4, 1817 (: Fr., Syst. Mycol. **2**(1): 255, 1822).

Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme CXXXVII, on leaves of *Populus* sp. (HAL 3104 F).

Sclerotium pini var. (β) *tiliae* Nees, in herb.

Authentic material: Germany, Saxony, Lusatia (Lausitz), on bark of *Tilia* sp., G. Kunze (HAL 3123 F).

Sclerotium tulipae Lib., Pl. Crypt. Arduenna, fasc. 1, no. 36, 1830.

Syntype: Arduenna, on dead stems, pericarps and seeds of *Tulipa gesneriana*, Lib., Pl. Crypt. Arduenna, fasc. 1, no. 36 (HAL 3122 F).

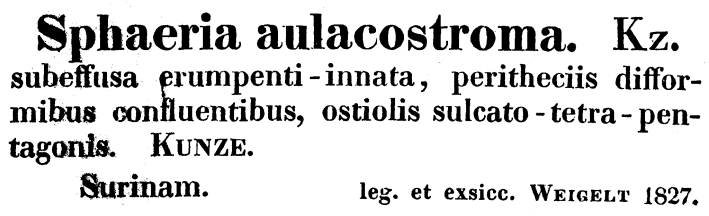
Note: A valid name (with description on the printed label).

Sphaeria aulacostroma Kunze ex Fr., Linnaea 5: 545, 1830.

≡ *Sphaeria aulacostroma* Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828, nom. nud. (fig. 37).

Syntype: Surinam, on a dead branch of an unknown tree or shrub, C. Weigelt & G. Kunze, Surinam (leg et exsicc. Weigelt, 1827), s.n. (HAL 3007 F).

Notes: Validly published in the exsiccata (fig. 37).



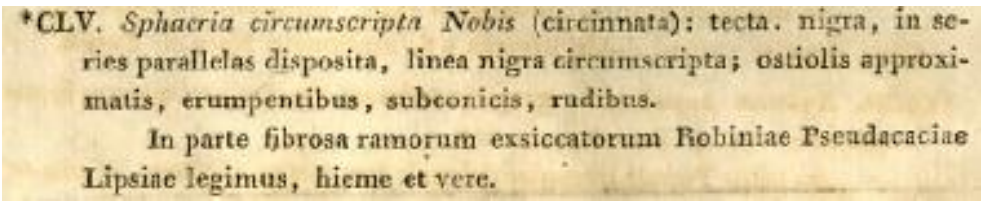
Sphaeria aulacostroma. Kz.
subeffusa erumpenti-innata, peritheciis difformibus confluentibus, ostiolis sulcato-tetra-pentagonis. KUNZE.
Surinam. leg. et exsicc. WEIGELT 1827.

Fig. 37: *Sphaeria aulacostroma* (original label).

Sphaeria circumscripta J.C. Schmidt & Kunze, Deutschl. Schwämme, Siebente Lieferung: 2, 1817.

Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme CLV (HAL 3003 F 3117 F).

Notes: Shoemaker & LeClair (1975) examined a duplicate of this material deposited at UPS and reduced the name *S. circumscripta* to synonym with ***Aglaospora profusa*** (Fr. : Fr.) De Not.



*CLV. *Sphaeria circumscripta Nobis* (circinnata): tecta, nigra, in series parallelas disposita, linea nigra circumscripta; ostiolis approximatis, erumpentibus, subconicis, rudibus.
In parte fibrosa ramorum exsiccatorum Robiniae Pseudacaciae Lipsiae legimus, hieme et vere.

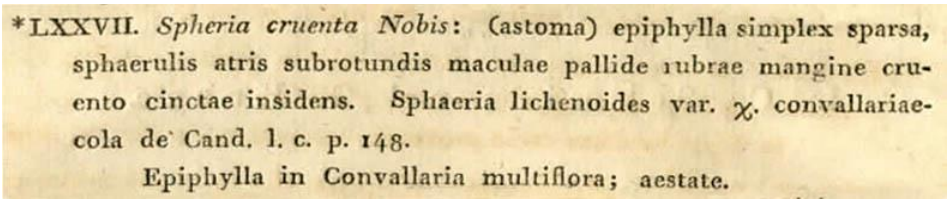
Fig. 38: *Sphaeria circumscripta*, copy of the original description (Deutschl. Schwämme, Siebente Lieferung: 2, 1817).

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Sphaeria cruenta J.C. Schmidt & Kunze, Deutschl. Schwämme, Vierte Lieferung: 2, 1816 (: Fr., Syst. mycol. **2**(2): 531, 1823).

≡ ***Phyllosticta cruenta*** (J.C. Schmidt & Kunze : Fr.) Kickx f., Mem. Acad. Roy. Sci. Belgique **23**: 22, 1849.

Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme LXXVII (HAL 3077 F).



*LXXVII. *Spheria cruenta Nobis*: (astoma) epiphylla simplex sparsa, sphaerulis atris subrotundis maculae pallide rubrae margine cruento cinctae insidens. Sphaeria lichenoides var. χ. convallariaecola de Cand. l. c. p. 148.

Epiphylla in Convallaria multiflora; aestate.

Fig. 39: *Sphaeria cruenta*, copy of the original description (Deutschl. Schwämme, Vierte Lieferung: 2, 1816).

Sphaeria cypericola Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828, nom. nud.

Syntype: Suriname, Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt, 1927), s.n. (HAL 3044 F).

Sphaeria disticha Ehrenb. ex Fr., Syst. mycol. **2**(2): 434, 1823.

≡ ***Stylina disticha*** (Ehrenb. ex Fr.) Syd. & P. Syd., in Fischer, Ann. Mycol. **18**: 192, "1920", 1921.

Type: on necrotic leaves of *Dracaena draco*, C. G. Ehrenberg (HAL 3045 F).

Sphaeria epichloë Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828.

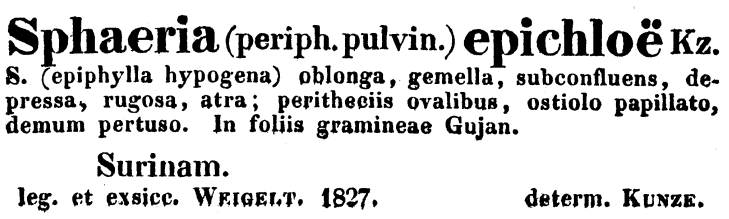
≡ *Dothichloë epichloë* (Kunze) Weese, Sitzungsber. Akad. Wiss. Wien, Math.-Naturwiss. Kl., Abt. 1, **128**: 718, 1919.

≡ ***Balansia epichloë*** (Kunze) Diehl, Agric. Monogr., US Dept. Agric. **4**: 40, 1950 [as "(Weese) Diehl"].

≡ *Balansia kunzei* Morgan-Jones & R.A. Phelps, Mycotaxon **55**208, 1995, nom. illeg. (superfl.).

Syntype: Suriname, Kunze, in C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1927), s.n. (HAL 3046 F).

Notes: *Sphaeria epichloë* is validly published in this exsiccata with a description on the printed label (fig. 40). Morgan-Jones & Phelps (1995) published a detailed discussion of the complicated nomenclature of this fungus, but they were in error when they introduced the new name *Balansia kunzei*. Weese (1919) mentioned that he had seen the printed description of *Sphaeria epichloë*, i.e. he was aware of the validity of the latter name. On page 718, he introduced the new combination *Dothichloë epichloë* (Kunze) Weese. Diehl (1950: 40) introduced the new combination *Balansia epichloë* (in error as "(Weese) Diehl", probably since he considered *Sphaeria epichloë* an invalid name. However, since Weese (1919) clearly introduced a new combination with the valid *Sphaeria epichloë* as basionym, Diehl's (1950) incorrectly cited combination represents a case of indirect reference according to ICN, Art. 41.3, and has to be corrected to ***Balansia epichloë*** (Kunze) Diehl, which is the currently accepted name for this fungus.



Sphaeria (periph. pulvin.) **epichloë** Kz.
S. (epiphylla hypogena) oblonga, gemella, subconfluens, depressa, rugosa, atra; peritheciis ovalibus, ostiolo papillato, demum pertuso. In foliis gramineae Gujan.
Surinam.
leg. et exsicc. Weigelt. 1827. determ. Kunze.

Fig. 40: *Sphaeria epichloë* (original label).

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Sphaeria multiplex Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828, nom. nud.

≡ *Sphaeria multiplex* Kunze ex Fr., Linnaea **5**: 536, 1830.
≡ *Hypoxylon multiplex* (Kunze ex Fr.) Mont., Ann. Sci. Nat., Bot., sér. 2, **13**: 349, 1840.
≡ ***Xylaria multiplex*** (Kunze ex Fr.) Fr., Nova Acta Regiae Soc. Sci Upsal., Ser. 3, **1**(1): 127, "1851", 1855.

Syntype: Suriname, Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt, 1927), s.n. (HAL 3047 F).

Sphaeria nigripes Klotzsch, Linnaea **7**: 203, 1832.

≡ *Xylaria nigripes* (Klotzsch) Cooke, Grevillea **11**(59): 89, 1883.
≡ ***Podosordaria nigripes*** (Klotzsch) P.M.D. Martin, J. S. African. Bot. **42**: 80, 1976.

Type: India, in soil, D. Wight (HAL 3048 F).

Sphaeria phylloplaca Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828 [as "*phylloplacus*"].

≡ *Dothidea phylloplaca* (Kunze) Mont., Ann. Sci. Nat., Bot., sér. 4, **3**: 125, 1855.
≡ ***Phyllachora phylloplaca*** (Kunze) Sacc., Syll. Fung. **2**: 599, 1883.

Syntype: Suriname, on leaves, C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1927), s.n. (HAL 3049 F).

Notes: *S. phylloplacus* is validly published in this exsiccata with a description on the printed label (see fig. 41).

Sphaeria phylloplacus. Kz. connata epiphylla subrotunda plana atra, primo epidermide cinerascente tecta, ostiolis immersis. KUNZE.

Surinam. leg. et exsicc. WEIGELT. 1827.

Fig. 41: *Sphaeria phylloplaca* (original label).

Sphaeria pityophila J.C. Schmidt & Kunze, Deutschl. Schwämme, Sechste Lieferung: 3, 1817 (: Fr., Syst. mycol. **2**(2): 425, 1823).

≡ ***Cucurbidothis pityophila*** (J.C. Schmidt & Kunze) Petr., Ann. Mycol. **19**: 201, 1921.

Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme CXXXIII (HAL 3073 F).

CXXXIII. *Sphaeria pityophila Nobis* (simplex, brachystoma): conferta, atra, hypothallo crustaeformi, tenui, concolori imposita, perithe-ciis primo globosis, papillatis, dein pertusis, demum collabescendo concavis.

Ad corticem truncorum et ramorum adhuc vigentium Pini sylvestris in Lusatia. Vernalis.

Obs: Hypothallus interdum, licet rarissime, fere deest.

Fig. 42: *Sphaeria pityophila*, copy of the original description (Deutschl. Schwämme, Sechste Lieferung: 3, 1817).

Sphaeria rhizomorphae Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828, nom. nud.

≡ *Sphaeria rhizomorphae* Kunze ex Curr., Trans. Linn. Soc. London **22**: 332, 1859.
≡ ***Pterosporidium rhizomorphae*** (Kunze ex Curr.) W.H. Ho & K.D. Hyde, Canad. J. Bot. **74**: 1827, 1996.

Syntype: Suriname, on leaves, C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1927), s.n. (HAL 3050 F).

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Sphaeria rhopaloides Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828, nom. nud.

≡ *Hypoxylon rhopaloides* Mont., Ann. Sci. Nat., Bot., sér. 2, **13**: 349, 1840, nom. nud.

≡ *Xylaria rhopaloides* Mont., Ann. Sci. Nat., Bot., sér. 4, **3**: 99, 1855 [as "(Kunze) Mont."], nom. nud.

≡ ***Xylaria rhopaloides*** Sacc., Syll. Fung. **1**: 326, 1882.

Syntype: Suriname, on leaves, C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1927), s.n. (HAL 3051 F).

Notes: The first validation of *Sphaeria rhopaloides* by adding a brief description dates to Saccardo (1882: 326).

Sphaeria scopiformis Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828, nom. nud.

≡ *Hypoxylon scopiformis* Mont., Ann. Sci. Nat., Bot., sér. 2, **13**: 349, 1840, nom. nud.

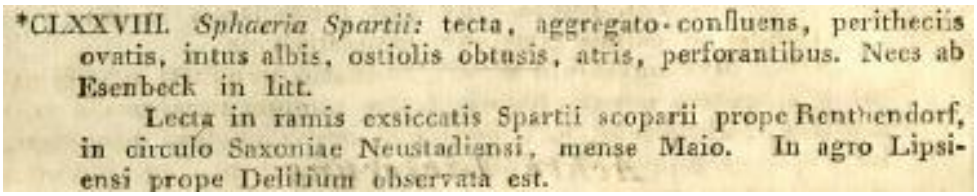
≡ ***Xylaria scopiformis*** Berk. & Broome, J. Linn. Soc. Bot. **14**(74): 119, "1873", 1875.

Type: Suriname, C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1927), s.n. (HAL 3052 F).

Sphaeria spartii Nees, in Schmidt & Kunze, Deutschl. Schwämme, Achte Lieferung: 2, 1818 (: Fr., Syst. mycol. **2**(2): 424, 1823).

≡ ***Cucurbitaria spartii*** (Nees : Fr.) Ces. & De Not., Schem. di Classif. Sferiacei: 4, 1863.

Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme CLXXVIII, without any further data (HAL 3071 F, 3115 F).



*CLXXVIII. *Sphaeria Spartii:* tecta, aggregato-confluens, peritheciis ovatis, intus albis, ostiolis obtusis, atris, perforantibus. Nees ab Esenbeck in litt.

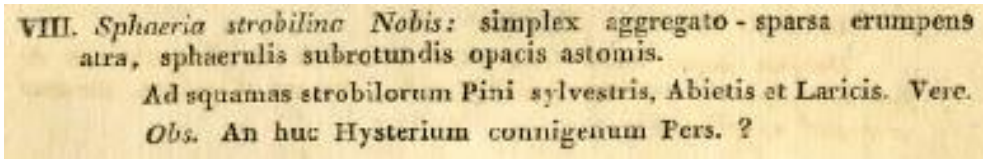
Lecta in ramis exsiccatis Spartii scoparii prope Renthendorf, in circulo Saxoniae Neustadiensi, mense Maio. In agro Lipsiensi prope Delitium observata est.

Fig. 43: *Sphaeria spartii*, copy of the original description (Deutschl. Schwämme, Achte Lieferung: 2, 1818).

Sphaeria strobilina Holl & J.C. Schmidt, Deutschl. Schwämme, Erste Lieferung: 4, 1815.

= ***Sirococcus conigenus*** (Pers.) P.F. Cannon & Minter, Taxon **32**(4): 577, 1983.

Syntype: Holl & Schmidt, Deutschl. Schwämme VIII (HAL 3004 F).



VIII. *Sphaeria strobilina Nobis:* simplex aggregato-sparsa erumpens atra, sphaerulis subrotundis opacis astomis.

Ad squamas strobilorum Pini sylvestris, Abietis et Laricis. Vere.

Obs. An huc Hysterium connigenum Pers. ?

Fig. 44: *Sphaeria strobilina*, copy of the original description (Deutschl. Schwämme, Erste Lieferung: 4, 1815).

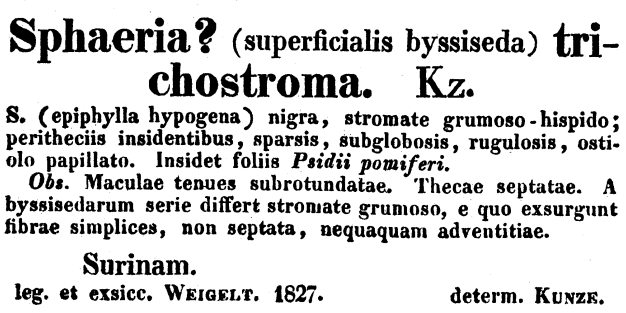
Sphaeria trichostroma Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828.

≡ ***Meliola trichostroma*** (Kunze) Toro, J. Agric. Univ. P. Rico **36**: 62, 1952.

Syntype: Suriname, on leaves of *Psidium guajava* (= *P. pomiferum*), C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1827), s.n. (HAL 3053 F, 3112 F).

Notes: *S. trichostroma* is validly published in this exsiccata with a description on the printed label (see fig. 45).

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Sphaeria? (superficialis byssiseda) trichostroma. Kz.

S. (epiphylla hypogena) nigra, stromate grumoso-hispido; perithecis insidentibus, sparsis, subglobosis, rugulosis, ostiolo papillato. Insidet foliis *Psidii pomiferi*.

***Obs.* Maculae tenues subrotundatae. Thecae septatae. A byssisedarum serie differt stromate grumoso, e quo exsurgunt fibrae simplices, non septata, nequaquam adventitiae.**

Surinam.

leg. et exsicc. Weigelt. 1827. determ. Kunze.

Fig. 45: *Sphaeria trichostroma* (original label)

Sporotrichum lateritium Ehrenb., Sylv. mycol. berol.: 22, 1818.

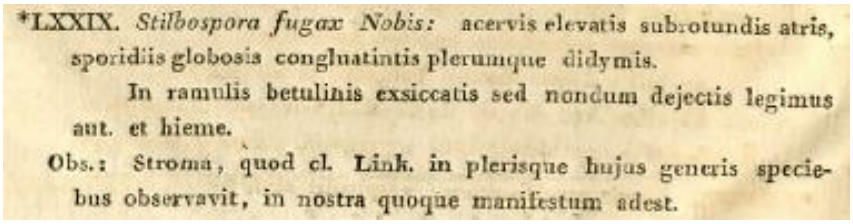
≡ ***Acrostalagnus luteoalbus*** (Link) Zare et al., Mycol. Res. **108**: 581, 2004.

Syntypes: [Germany, Berlin], on bark, C. G. Ehrenberg (B 700016300, HAL 3059 F).

Stilbospora fugax J.C. Schmidt & Kunze, Deutschl. Schwämme, Vierte Lieferung: 2, 1816.

Syntype: J. C. Schmidt & G. Kunze, Deutschl. Schwämme LXXIX (HAL 3076 F).

Notes: Saccardo (1886: 599) reduced *Stilbospora fugax* to synonymy with *Coniothecium complanatum* (Nees) Sacc., Michelia **1**(5): 537, 1879 (≡ *Didymosporium complanatum* Nees, Syst. Pilze: 33 [plate 2, fig. 29], 1816). The latter book was issued in three parts. The text and plates, including *D. complanatum*, of the original edition were distributed between March and May 1816, and thus very probably before *Stilbospora fugax* was published (Vierte Lieferung reviewed in July 1816).



*LXXIX. *Stilbospora fugax Nobis:* acervis elevatis subrotundis atris, sporidiis globosis congluatintis plerumque didymis.

In ramulis betulinis exsiccatis sed nondum dejectis legimus aut. et hieme.

Obs.: Stroma, quod cl. Link. in plerisque hujus generis speciebus observavit, in nostra quoque manifestum adest.

Fig. 46: *Stilbospora fugax*, copy of the original description (Deutschl. Schwämme, Vierte Lieferung: 2, 1816).

Strigula lobulosa Fr., Linnaea **5**: 550, 1830.

≡ *Verrucaria lobulosa* Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828, nom. nud.

Syntype: Suriname, on leaves, C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1927), s.n. (HAL 3063 F).

Syzygites megalocarpus Ehrenb., Sylv. myco. berol.: 25, 1818.

Type: [Germany, Berlin], C. G. Ehrenberg (HAL 30560 F).

Testicularia cyperi Klotzsch, Linnaea **7**: 202, 1832.

Type: USA, Louisiana, New Orleans, on *Rhynchospora macrostachya*, ex herb. J. F. Klotzsch (HAL 3061 F).

Thelephora bella Kunze, in Holl, Plantae maderenses, s.n., 1828–1830.

≡ *Thelephora bella* Kunze, Flora 13: 370, 1830.

≡ ***Stereum bellum*** (Kunze) Sacc., Syll. Fung. 6: 563, 1888.

Syntype: Madeira, Ribeira fria, 1827, on a trunk of *Apollonias barbujana* (= *Laurus canariensis*), F. Holl, Plantae maderenses, s.n. (HAL 2997F, 3111 F).

Notes: Validly described in F. Holl, Plantae maderenses (see fig. 47).

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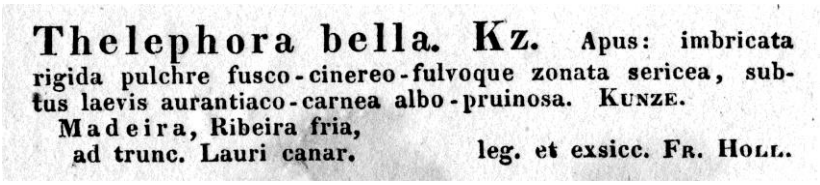

Thelephora bella. Kz. Apus: imbricata rigida pulchre fusco-cinereo-fulvoque zonata sericea, subtus laevis aurantiaco-carnea albo-pruinosa. KUNZE.
Madeira, Ribeira fria,
ad trunc. Lauri canar. leg. et exsicc. FR. HOLL.

Fig. 47: *Thelephora bella* (original label).

Thelephora carnosa Ehrenb., Sylv. mycol. berol.: 30, 1818.

= ***Vuilleminia comedens*** (Nees) Maire, Bull. Soc. Mycol. France **18** (Suppl.): 81, 1902.

Type: [Germany, Berlin], C. G. Ehrenberg (HAL 3005 F).

Thelephora lobata Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828.

≡ ***Stereum lobatum*** (Kunze) Fr., Epicr. syst. mycol.: 547, 1838.

Syntype: Suriname, C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1827), s.n. (HAL 3119 F).

Note: This species was validly published by Kunze with description of the printed label (see fig. 48) and not validated by Fries, in Linnaea **5**: 527, 1830.

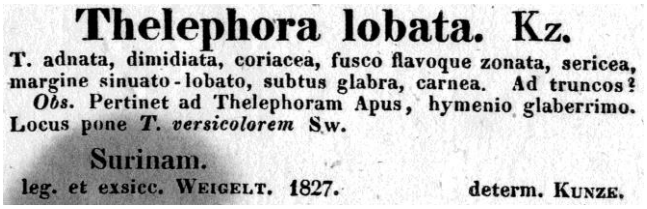

Thelephora lobata. Kz.
T. adnata, dimidiata, coriacea, fusco flavoque zonata, sericea, margine sinuato-lobato, subtus glabra, carnea. Ad truncos?
Obs. Pertinet ad Thelephoram Apus, hymenio glaberrimo. Locus pone *T. versicolorem* Sw.
Surinam.
leg. et exsicc. WEIGELT. 1827. determ. KUNZE.

Fig. 48: *Thelephora lobata* (original label).

Tremella impressa Pers., Mycol. eur. **1**: 102, 1822 (: Fr., Syst. mycol. **2**(1): 226, 1822).

≡ ***Exidia impressa*** (Pers.) Fr., Syst. mycol. **2**(1): 226, 1822.

≡ *Tremella rufescens* Ehrenb., in herb.

= *Exidia truncata* Fr., Syst. mycol. **2**(1): 224, 1822.

Type: C. G. Ehrenberg, as *Tremella rufescens* Ehrenb. (HAL 3106 F).

Notes: Persoon (l.c.) cited "*Tremella rufescens* Ehrenb., ined." in the protologue of *Tremella impressa*. Hence, Ehrenberg's material deposited as "*Tremella rufescens* Ehrenb." represents type material of *T. impressa*. The latter name was coined by Persoon and should only be attributed to Persoon (not "Ehrenb. ex Pers."). The name *Exidia impressa* takes priority over *Exidia truncata*. Both names are sanctioned, but the date of sanctioning does not affect the date of valid publication and thus priority (Art. 11.4 and 15.1). *Tremella impressa* was published by Persoon in "Mycol. eur. 1" (between 1 Jan. and 14. Apr. 1822), i.e. in advance of "Syst. mycol. **2**(1)" in which Fries cited Persoon's names and reallocated it to *Exidia*.

Trichoderma varium Ehrenb., Sylv. mycol. berol.: 22, 1818.

Syntypes: [Germany, Berlin], C. G. Ehrenberg (B 700016296, HAL 30562 F).

Uredo ornithogali J.C. Schmidt & Kunze, Deutschl. Schwämme, Neunte Lieferung: 5, 1819.

≡ ***Vankya ornithogali*** (J.C. Schmidt & Kunze) Ershad, Rostaniha **1**: 66, 2000.

Syntype: J. C. Schmidt & Kunze, Deutschl. Schwämme CCXVII (HAL 3067 F, 3116 F).

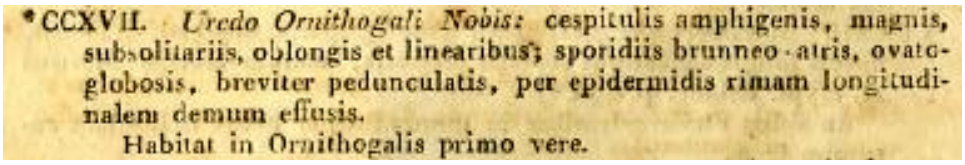

*CCXVII. *Uredo Ornithogali Nobis:* cespitulis amphigenis, magnis, subsolitariis, oblongis et linearibus; sporidiis brunneo-atris, ovato-globosis, breviter pedunculatis, per epidermidis rimam longitudinalem demum effusis.
Habitat in Ornithogalis primo vere.

Fig. 49: *Uredo ornithogali*, copy of the original description (Deutschl. Schwämme, Neunte Lieferung: 5, 1819).

Uredo padi J.C. Schmidt & Kunze, Deutschl. Schwämme, Achte Lieferung: 4, 1818.

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≡ *Melampsora padi* (J.C. Schmidt & Kunze) G. Winter, in Rabenh., Krypt.-Fl., Edn. 2, 1, 1: 244 "1881", 1884.
= *Xyloma areolatum* Fr., Obs. mycol. **2**: 358, 1818.
≡ ***Pucciniastrum areolatum*** (Fr.) G.H. Otth, Mitt. Naturf. Ges. Bern, Heft **538–542**: 85, "1863", 1864.

Syntype: J. C. Schmidt & Kunze, Deutschl. Schwämme CLXXXVII (HAL 3070 F, 3114 F).

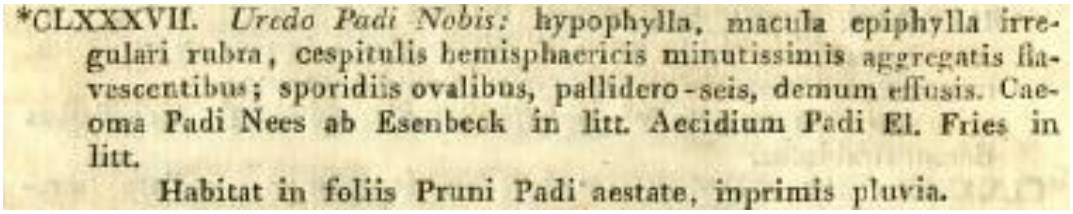

*CLXXXVII. *Uredo Padi Nobis:* hypophylla, macula epiphylla irregulari rubra, cespitulis hemisphaericis minutissimis aggregatis flavescentibus; sporidiis ovalibus, pallidero-seis, demum effusis. Caeoma Padi Nees ab Esenbeck in litt. Aecidium Padi El. Fries in litt.
Habitat in foliis Pruni Padi aestate, inprimis pluvia.

Fig. 50: *Uredo padi*, copy of the original description (Deutschl. Schwämme, Achte Lieferung: 4, 1818).

Uredo sparsa J.C. Schmidt & Kunze, Deutschl. Schwämme, Siebente Lieferung: 5, 1817.
≡ ***Uromyces sparsus*** (J.C. Schmidt & Kunze) Lév., Ann. Sci. Nat., Bot., Sér. 3, **8**: 371, 1847.
Syntype: J. C. Schmidt & Kunze, Deutschl. Schwämme CLXX (HAL 3012 F).

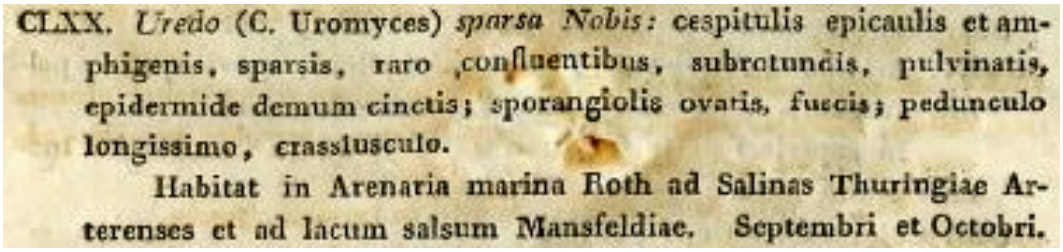

CLXX. *Uredo* (C. Uromyces) *sparsa Nobis:* cespitulis epicaulis et amphigenis, sparsis, raro confluentibus, subrotundis, pulvinatis, epidermide demum cinctis; sporangiolis ovatis, fuscis; pedunculo longissimo, crassiusculo.
Habitat in Arenaria marina Roth ad Salinas Thuringiae Arterenses et ad lacum salsum Mansfeldiae. Septembri et Octobri.

Fig.51: *Uredo sparsa*, copy of the original description (Deutschl. Schwämme, Siebente Lieferung: 5, 1817).

Xyloma lini Ehrenb., Sylv. mycol. berol.: 27, 1818.
≡ ***Melampsora lini*** (Ehrenb.) Lév., Ann. Sci. Nat., Bot., sér. 3. **8**: 376, 1847.
Type: [Germany, Berlin], C. G. Ehrenberg (B 70 0016305, HAL 3101 F).

Xyloma spiraeae Kunze, in Kunze & Schmidt, Mykol. Hefte **1**: 75, 1817.
≡ *Xyloma spiraeae* Kunze, in Schmidt & Kunze, Deutschl. Schwämme, Siebente Lieferung: 3, 1817.
≡ ***Leptostroma spiraeae*** (Kunze) Fr., Kongl. Svenska Vetensk. Acad. Handl., ser. 3, **6**: 110, 1819.
Syntype: J. C. Schmidt & Kunze, Deutschl. Schwämme CLXII (HAL 3105 F).

Xyloma ximeniae Kunze, in Weigelt & Kunze, Surinam (leg. et exsicc. Weigelt), s.n., 1828, nom. nud.
Syntype: Suriname, on leaves, C. Weigelt & G. Kunze, Surinam (leg. et exsicc. Weigelt, 1827), s.n. (HAL 3054 F).

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