kann durchaus nicht als Varietät zu *Andr. rupestris*, sondern muss zu *crassinervia* gezogen werden." — Eine Vergleichung des Breidler'schen Mooses mit Exemplaren der *Andr. grimsulana* von der Grimsel und den Pyrenäen, zeigten auch mir ihre Identität, so dass auch ich die *Andr. grimsulana* als Varietät zu *Andreaea crassinervia* stelle.

Diagnosen zu Thümen's „Mycotheca universalis."

Von **F. v. Thümen.**

(Schluss.)

Torula insularis Thüm. nov. spec. in Flora 1878 p. 182. — *Myc. un.* no. 1760.

T. caespitibus late effusis, hypophyllis, irregularibus, indeterminatis, laxis, subvirescenti-griseis, pulveraceis, saepe confluentibus vel paginam inferiorem plus minus toto occupans; sporis concatenatis vel etiam raro conglobatis, plus minus globosis, laevibus, anucleatis, dilute brunneis, 3—4 mm. diam.

America septentr.: Aiken — Carolina australis — ad *Quercus cinereae* Mchx. folia languida aridave.

leg. H. W. Ravenel.

Schizothyrella Thüm. nov. gen.[1])

Perithecia membranacea primo clausa, in lacinias a centro versus ambitum dehiscens, a nucleo discretum, nucleus ceraceus, coloratus; sporae septulatae in hyphos dichotomos concatenatos, dein secedentes. — Lib. in sched.

Schizothyrella quercina Thüm. nov. spec. — *Schizothyrium quercinum* Lib. in sched. — Roumg. Fungi Gallici no. 612. — *Myc. un.* no. 1684.

S. caespitibus hypophyllis, innatis, hemisphaericis, nigris, in lacinios 4—6 dehiscentibus, nucleo luteo, siccitate rubro; sporis oblongis, utrinque obtusis. Lib. l. c. — Sporidiis filiformibus, e strato proligero pachydermatico fasciculatim oriundis, septulatis, in articulis dein secedentibus, 5—15 mm. long., 1 mm. crass., pallide melleis; intermixtas etiam vidi hyphas crassas, hyalinas, ramulosas, nodulosas, septulatas. — Roumg. l. c.

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[1]) Nomen *Schizothryum* jam a Desmazierio conversum!

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Belgium: Malmedy ad folia *Quercus pedunculatae* Ehrh., frigore necata. Aest. leg. M. A. Libert.

Scoliosporum Fagi Lib. nov. spec. — *Myc. un.* no. 1683.

Erumpens, rotundum, epidermide lacerata cincta, stromate carnoso albo; sporis primo clavatis, demum fusiformibus, novem-undecimseptatis, curvatis, nigris vel fuligineis, apicibus utrinque attenuatis, albo-hyalinis, 120—150 mm. long., 12—15 mm. crass.

Belgium: Malmedy in cortice *Fagi sylvaticae* Lin. socia saepe *Asterosporii Hoffmanni* Knz. et Sch. leg. M. A. Libert.

Fusidium Stachydis Pass. nov. spec. — *Myc. un.* no. 1565.

Hypophyllum, in maculis oblongis, albidis, demum aridis; caespitulis minimis, flocculoso-pulveraceis, albis; conidia bacillaria, apicibus subacutis, longitudine varia, recta, integra vel longiora, medio spurie septata.

Parma: Gajone ad folia viva languidave *Stachydis annuae* Lin. Aest. 1878. leg. Prof. Passerini.

Gloeosporium Robergei Desm. in Ann. sc. natur. 1853. XX. p. 214. — Id. Crypt. de France. III. no. 3. — *Myc. un.* no. 1578.

Parma: in horto publico ad folia languida *Carpini Betuli* Lin. Nov. 1878. leg. Prof. Passerini.

Obs. Conidia integra, opaca, 17—18 mm. long., 10 mm. crass.

Gloeosporium succineum Sacc. nov. spec. in Michelia II. (no. 6) p. 146. — *Myc. un.* no. 1765.

G. acervulis hypophyllis gregariis initio epidermide velatis, mox erumpenti-superficialibus, tremelloideis, pulvinatis, succineis; basidiis dense fasciculatis, oblongis, crasse cylindraceis, 40—45 mm. long., 12—14 mm. crass., bi-triseptatis, apice eximie obtusiuscule papillatis; conidiis sphaericis, 16—20 mm. diam., flavo-aureis.

Sibiria occidentalis: in monte „Borus“ (montes Altai) ad folia viva *Rhododendri chrysanthemi* Pall. Junio 1878. leg. N. Martianoff.

Leptostroma Scorodoniae Lib. nov. spec. — *Myc. un.* no. 1576.

L. peritheciis subrotundis, inaequalibus, subconfluentibus, tenuibus laevibus, nigris, totum secendentibus in macula nigra; sporis minutissimis, globosis, hyalinis, 2,5—3,5 mm. diam.

Belgium: Malmedy ad caules emortuos *Teucrii Scorodonii* Lin. Aut. leg. M. A. Libert.

Leptostroma Rubi Spegaz. et Roumg. in Revue Mycologique 1880 p. 16. — *Perisporium Rubi* Lib. in sched. — *Myc. un.* no. 1686.

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Superficiale, innatum, gregarium, humiditate globosum, siccitate cupulatum, colapsum, nitido-atrum, poro pertuso, contextu tenui parenchymatico-membranacco, atro; sporis e strato proligero pachydermatico oriundis, cylindraceis, pluriguttulatis, utrinque rotundatis, 8—10 mm. long., 2 mm. crass.

Belgium: Malmedy ad *Rubi fruticosi* Lin. ramulos emortuos. leg. M. A. Libert.

Ceuthospora Cookei Thüm, nov. spec. in Flora 1878 p. 181. — *Myc. un.* no. 1579.

C. peritheciis obsoletis, amphigenis sed plerumque hypophyllis, pustulas minutissimas, dense gregarias, subprominentes, atras, hemisphaericas formans; sporis cylindraceis, utrinque rotundatis vel vertice minime acutatis, simplicibus, anucleatis, hyalinis, 15 mm. long., 4 mm. crass. — *C. phacidioidi* Grev. proxima sed valde diversa.

America septentr.: Aiken — Carolina australis — ad *Cerasi carolinianae* Mchx. folia decidua. leg. H. W. Ravenel.

Diplodia perpusilla Desm. in Ann. sc. natur. 1846. VI. p. 68. — ? *Sphaeria Foeniculi* Cast. Cat. plant. Mars. p. 176. — *Myc. un.* no. 1582.

Lusitania: Coimbra in caulibus emortuis *Foeniculi officinalis* All. 1879. Rarissime. leg. Ad. Fr. Moller.

Obs. Sporae ellipticae, minime constrictae, utrinque subacutatae, dilute fuscae, cellula superior paullo major, 8 mm. long., 4 mm. crass.

Sphaeropsis abnormis Berk. et Thüm. nov. spec. — *Myc. un.* no. 1675.

S. peritheciis aut sparsis aut plerumque regulariter concentrice dispositis, amphigenis, elevatis, cephaloideis, aterrimis, magnis, durissimis; sporis ovoideis vel subglobosis vel ellipsoideis, simplicibus, utrinque rotundatis, hyalinis vel dilute cinereis, 8—10 mm. long., 4—6 mm. crass.

Promont. bonae spei: Olifants Hoek in ditione Uitenhaage ad *Capparidis Gueinzii* Sond. folia viva. Julio 1876. leg. Prof. P. Mac Owan.

Cryptosporium perularum Thüm. nov. spec. in Wiener Landwirth. Zeitung 1879 p. 276. — *Myc. un.* no. 1679.

C. peritheciis subcuticularibus, minutissimis, vix visibilibus, punctiformibus, nigris, gregariis, membranaceis, postremo apice apertis; sporis numerosis, fusiformibus, continuis, utrinque acu-

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tatis, arcuatis vel subrectis, hyalinis, 12—18 plerumque 16 mm. long., 3.5—4 mm. crass.

Carniolia: Laibach ad perulas aridas ramulorum vivorum *Pyri communis* Lin. Apr. 1879. leg. W. Voss.

Pestalozzia Acaciae Thüm. nov. spec. — *Myc. un.* no. 1777.

P. peritheciis hypophyllis, aut gregariis aut solitariis, pro ratione magnis, emersis, hemisphaericis, aterrimis in macula valde irregularia sordide ochracea, late ferrugineo cincta; sporis rectis, raro minime arcuatis, late fusoideis, quinqueseptatis, ad septa minime constrictulis, utrinque angustato-acutatis, cellulis tribus mediis fuligineis, aliis achrois, brevi et anguste hyalino pedicellatis, vertice ciliis duobus vel tribus subrectis ornatis, 24 mm. long., 9—10 mm. crass.

Lusitania: Coimbra in horto botanico ad folia viva *Acaciae longifoliae* Willd. Aug. 1879. leg. Ad. Fr. Moller.

Phoma lusitanicum Thüm. nov. spec. — *Myc. un.* no. 1586.

Ph. peritheciis numerosis, gregariis, punctiformibus, hemisphaerico-elevatis, nitido-atris, primo cuticula tectis, postremo poro centrali apertis, liberisve; sporis ellipsoideis, numerosis, utrinque rotundatis, uni- vel plerumque anucleatis, hyalinis, 4 mm. long., 2 mm. crass.

Lusitania: Coimbra in *Centaureae sempervirentis* Lin. caulibus aridis. Martio 1879. leg. Ad. Fr. Moller.

Phoma Ornithogali Thüm. nov. spec. in Flora 1878 p. 358. — *Myc. nn.* no. 1783.

Ph. peritheciis dense gregariis, colonias irregulares magnas formans, subparvis, semiimmersis, liberis, globoso-depressis, fusco-nitidis; sporis numerosis, ellipticis vel cylindrico-ovoideis, vertice rotundato-dilatatis, apice angustatis et subobtuso-acutatulis, simplicibus, binucleatis, achrois, 4—5 mm. long., 1.5 mm. crass.

Promont. bonae spei: Sommerset-East ad caules emortuos *Ornithogali altissimi* Lin. 1877. leg. Prof. P. Mac Owan.

Leptothyrium Lentisci Thüm. nov. spec. — *Apiosporium Lentisci* Fuck. in Bot. Zeit. 1871 p. 28. — *Myc. un.* no. 1688.

L. sine macula, peritheciis hypophyllis, subgregariis, liberis, minutis, globosis, interdum confluentibus, aterrimis, induratis; sporis cylindraceis, plerumque rectis, rarissime subarcuatis, utrinque obtusatis, simplicibus, interdum uni-duonucleatis, achrois, 10—14 mm. long., 3 mm. crass.

Graecia: in monto Kephyssos ad *Pistaciae Lentisci* Lin. folia emortua prostrata. Oct. 1875. leg. de Heldreich.

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Leptothyrium Medicaginis Pass. nov. spec. — *Myc. un.* no. 1784.

L. peritheciis sparsis, punctiformibus, melleis tandem fuscis, centro perforatis, cellulis subhexagonis contextis; spermatiis oblongis, apicibus rotundatis, bi-plurinucleolatis, hyalinis, 10—15 mm. long., 3.5—4 mm. crass.

Parma: Vigheffio in caulibus languidus et aridis *Medicaginis sativae* Lin. Oct. 1879. leg. Prof. Passerini.

Asteromella Pass. et Thüm. nov. gen.

Peritheçia globosa, atra, maculam efficiens; sporae minutissimae, simplices, breve cylindraceae vel ovoideae, numerosissimae, hyalinae.

Asteromella ovata Thüm. nov. spec. — *Myc. un.* no. 1689.

A. peritheciis numerosis, maculam obscuram efficiens, dense gregariis, hypophyllis, globosis, emersis, atris; sporis numerosissimis, ovoideis, utrinque rotundatis vel subtruncatulis, rectis, simplicibus, hyalinis, 2.5—3 mm. long., 1.5—2 mm. crass.

Parma: in horto botaniço ad folia languida *Menispermi canadensis* Lin. Nov. 1878. leg. Prof. Passerini.

Phyllosticta Tini Arcang. nov. spec. — *Myc. un.* no. 1691.

Ph. maculas fusco-cinerascentes, exaridas, irregulares, vel subpolygonas, margine purpureo cincto formans; peritheciis minutis, punctiformibus, prominentibus, subglobosis, superne poro dehiscentibus: sporis subfusiformibus, 20 mm. long., 3.3 mm. crass., guttulas hyalinas nonnullas plerumque forentis, bicellularibus. Pycnidia quoque adsunt immersa stylosporis elongatis, 10 mm. long., 2.2 mm. crass. bicellularia.

Etruria: Firenze ad folia viva *Viburni Tini* Lin. Nov. 1878. leg. Prof. Arcangeli.

Phyllosticta Sacardoi Thüm. — *Phyllosticta Rhododendri* Sacc. in Michelia I. p. 531 non Westd. in Bull. Acad. Bruxelles 1851 p. 399. — *Myc. un.* no. 1786.

f. *Rhododendri pontici.*

Lusitania: Coimbra ad folia viva *Rhododendri pontici* Lin. Majo 1879. leg. Ad. Fr. Moller.

Phyllosticta quernea Thüm. nov. spec. — *Myc. un.* no. 1787.

Ph. maculis variis, irregularibus vel subsinuosis, arescendo griseo-ochraceis, anguste fusco marginatis, cito dilaceratis, et exesis; peritheciis sparsis, epiphyllis, conico emersis, parvis, nigris; sporis ellipticis vel ovoideis, utrinque rotundatis, annucleatis, pallidissime griseis, 3.5—5 mm. long., 2.5—3 mm. crass.

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— A *Phyllosticta Quercus* Sacc. in Michelia I. p. 138 valde diversa macularum forma et sporarum magnitudine.

Austria inf.: Kalksburg ad *Quercus pubescentis* Willd. folia viva. Oct. 1879. leg. J. Wiesbauer.

Septoria epicarpii Thüm. nov. spec. in Thümen, Fungi pomicoli. p. 121. — Id. Herb. mycol. oeconom. p. 620. — *Myc. un.* no. 1591.

S. peritheciis gregariis vel solitariis, mediis, sine ordine dispositis, punctiformi-orbiculatis, minime elevatis vel subplanis, subimmersis, nitido-atris in macula determinata, primo orbiculata demum valde irregularia, fusco griseo, nigro anguste marginata; sporis fusoideo-cylindricis, utrinque subobtuso-acutiusculis, subrectis vel arcuatis, interdum lunulatis, obsolete bi-triseptatis, plurinucleatis, hyalinis, 22 mm. long., 4—5 mm. crass.

Austria inferior: Klosterneuburg in *Juglandis regiae* Lin. epicarpio vivo. Sept. 1878. leg. de Thümen.

Septoria Martianoffiana Thüm. nov. spec. in Bull. Soc. Natur. Moscou 1877 p. 151. — *Myc. un.* no. 1694.

S. peritheciis epiphyllis, gregariis vel raro amplis in macula amphigena, exarida, fusca demum albescentia, orbiculata, obscurior marginata; sporis cirrho hyalino spirali ejectis, fusiformibus, curvatis, uni-biseptatis, utrinque acutatis, longissimis, achrois, 45—60 mm. long., 2—2.5 mm. crass.

Sibiria occidentalis: Usunschul in subalpinis ad folia viva *Paeoniae anomalae* Lin. leg. N. Martianoff.

Septoria Quercus Thüm. nov. spec. — *Myc. un.* no. 1793.

S. peritheciis hypophyllis, sparsis, lenticulari-applanatis, fuscis, semiimmersis in macula plus minusve orbiculata, ochraceo-arescentia, latissime ferrugineo marginata; sporis acicularibus, utrinque acutatis, arcuatulis vel subrectis, uniseptatis, hyalinis, 15—16 mm. long., 1.5 mm. crass.

Lusitania: Coimbra ad folia viva *Quercus pedunculatae* Ehrh. Oct. 1879. leg. Ad. Fr. Moller.

Septoria jenissensis Sacc. nov. spec. in Michelia II. (no. 6) p. 144. — *Myc. un.* no. 1794.

S. maculis nullis vel obsoletis; peritheciis amphigenis, laxe gregariis, punctiformibus, lenticularibus, $^1/_{10}$—$^1/_8$ mm. diam., contextu minute parenchymatico fusco; sporis bacillaribus, rectiusculis vel curvis, utrinque rotundatis, 30—40 mm. long., 3 mm. crass., uniseptatis, hyalinis, basidiis (ut plerumque more generis) nullis.

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Sibiria occidentalis: Minussinsk ad *Clematidis glaucae* Willd. folia viva languidave. 1878. leg. N. Martianoff.

Sclerotium Convallariae Lib. nov. spec. — *Myc. un.* no. 1597.

Erumpens, minutum, rotundum, vel oblongum, nervisequum, planiusculum, corrugato-muricatum, nigrum, intus album.

Belgium: Malmedy in foliis delapsis *Convallariae majalis* Lin. Aut. leg. M. A. Libert.

Obs. A *Sclerotio punctato* Lib. in *Polygonati vulgaris* All. foliis valde differt.

Racodium Therryanum Thüm. nov. spec. in Revue mycologique 1880 p. 87. — *Myc. un.* no. 1697.

R. massas tomentosas, dense intricatas, fuligineo-atras formans, ramulos et folia ambiens, involvens et investiens; filamentis longissimis, simplicibus, aequalibus, intricatis, flexuoso-contortis, articulato-septatis, fuligineo-fuscis, 6—7 mm. diam. — A *Racodio pithyophilo* Wallr. Fl. german. cryptog. II. p. 170 longe diversum.

Gallia: Grande Chartreuse pr. Grenoble in sylvis densis ad ramulos vivos *Piceae vulgaris* Lam. et ad folia emortua decidua. Aug. 1879. leg. Therry.

Himantia daedaloides Thüm. nov. spec. in Oester. Botan. Zeitschr. 1879 p. 360. — *Myc. un.* no. 1699.

H. late adnata, divergens, hemisphaerica vel subplana, saepe longe lateque confluens, dilute alutacea, *Daedaleae quercinae* colore, multipapillata, papillis obtuis, intus concolor, subzonata, basi saepe chalybaea.

Austria inf.: Klosterneuburg ad antepagmentos et orcas in cellis vinariis. 1874. leg. Prof. Rösler.

Obs. *Daedaleam quercinam* sterilem valde similis et fortasse hujus mycelium.

Bacterium Aceti Thüm. — *Ulvina Aceti* Kützg. Phycol. general. p. 149. — *Mycoderma Aceti* Pasteur. — *Myc. un.* no. 1599.

Austria inferior: Wien in aceto puro. Oct. 1879. leg. de Thümen.

Pflanzensammlungen.

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