Ich resumire schliesslich die Resultate der vorstehenden Zeilen und die Motive, welche mich zu deren Publicirung veranlassten:

1) Mehrere Dumortieren besitzen wie die übrigen *Marchantiaceen* nicht allein beide Arten von Rhizoiden (unverdickte und Zäpfchenrhizoiden), sondern ebenso auch eine Luftkammerschichte, Athemöffnungen, und Ventralschuppen. Es wäre zu untersuchen! ob dies bei allen jenen Arten der Fall ist, welche im Baue des Fruchtstandes sich unzweifelhaft als *Dumortieren* characterisiren, und ob bei allen, wie bei *D. irrigua* Luftkammerschichte und Ventralschuppen schon sehr frühe zu Grunde gehen.

2) Die aus Neu-Seeland mir zugesandte und als *D. dilatata* zu bestimmende Pflanze ist die männliche Pflanze einer *Monoclea*. Ebenso ist die in anderen Herbarien als *Dumortiera dilatata* bezeichnete Pflanze zu *Monoclea* gehörig, und es wäre zu untersuchen, ob nicht überhaupt alle als jene *Dumortiera*-Art bestimmten Pflanzen vielmehr zu *Monoclea* gehören, und wegen mehreren Abweichungen von der echten *Monoclea Forsteri* als eigene Art, *Monoclea dilatata* zu bezeichnen wären.

Graz im Mai 1880.

Diagnosen zu Thümen's „Mycotheca universalis."

(Conf. Flora 1879 p. 94 ff.)

Inhalt der Centurien XIII—XV.

Bolbitius liberatus Kalchbr. nov. spec. — *Myc. un.* no. 1302.

B. pileo elongato, acuminato, deorsum contracto et sic sublanceolato (ad formam calyptrae *Polytrichi juniperini*), laevi, colore recentis corii, stipite fistuloso, gracili, basi bulbilloso, subconcolori; lamellis linearibus, ochraceis. — Distinctissimus generis!

Promont. bonae spei: Somerset-East 1877 (no. 1002.)
leg P. Mac Owan.

Daedalea ochracea Kalchbr. nov. sp. in Flora 1878 p. 354. — *Myc. un.* no. 1205.

D. pileo suberoso, dimidiato sessili, planiusculo, adpresse tomentoso, ad marginem sulcis paucis exarato, ochraceo-ferrugineo, vetustiore valde dilatato (8—12 cent.), excrescentius de-

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formato, grumoso furfuraceo, intus ligneo pallidus vel ex parte ochraceo-fuscescens: sinulis angustis, intricatis, saepe laceris dentalisque, passim elongatis, ligneo pallidis, ore ochraceis. — Ambigit inter *Lenzites* et *Daedaleas*.

Promont. bonae spei: Somerset-East ad truncos vetustos arborum frondosarum. 1877. (n. 1065.) leg. P. Mac Owan.

Typhula juncea Karst. in litt. — *Clavaria juncea* Fr. Syst. mycol. I. p. 479. — Id. Hymen. europ. p. 677. — *Myc. un.* no. 1309.

Fennia: Mustiala in sylvis abietinis. Raro. Oct. 1878. leg. Prof. Karsten.

Obs. E *Sclerotio scutellato* Pers. oriuntur?

Ombrophila Morthieriana Rehm nov. spec. — *Myc. un.* no. 1312.

Fungus totus fuscus, cupulis applanatis, glabris, pedicellatis magnitudine varia, pedicello sublongo, sursum dilatato; ascis cylindrico-clavatis, hyalinis; sporis octo, ellipticis, unicellularibus, monostichis, plerumque binucleatis, hyalinis, 15 mm. long., 5—6 mm. crass.; paraphysibus filiformibus, sursum sensim in clavam, 3 mm. crassam, subfuscam dilatatis.

Helvetia: Neuchâtel ad folia decidua *Laricis europaeae* DeC. Aut. 1876. leg. Dr. Morthier.

Clavaria soluta Karst. nov. spec. — *Myc. un.* no. 1308.

C. a basi ramosissima, ex albo rufescens, brunneo tenui, fibrilloso-radiculoso, nudo, ramis vage ramosis, longitudinaliter rugosis, divaricatis, apicibus obtusis.

Fennia: Mustiala ad ramulos foliaque prostratos *Piceae vulgaris* Lam. et *Pini sylvestris* Lin. Oct. 1878. leg. Prof. Karsten.

Otidea succosa Thüm. — *Peziza succosa* Berk. in Ann. Nat. Hist. — Id. Outl. Fungol. p. 363. — Cooke, Handb. Brit. Fungi. p. 667. — *Myc. univ.* no. 1411.

Helvetia: Corçelles pr. Neuchâtel ad terram. Aest. 1878. leg. Dr. P. Morthier.

Peziza multipuncta Peck, nov. spec.

E sectione *Mollisia*. P. cupulis numerosis, minutis, 0.006—0.010 unc. lat., culmicolis vel raro hypophyllis, brevibus, sessilibus, e pallide umbrinis madefactis, fusco-nigris siccatis, ore angusto, hymenio albido; ascis sessilibus, subcylindricis, 0.0016—0.0020 unc. long., 0.00016—0.00020 unc. lat.; sporis confertis vel biseriatis, cylindricis, rectis, hyalinis, 0.0005 unc. long; paraphysibus filiformibus.

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America septentr.: Albany — New-York — in culmis emortuis *Caricis stellulatae* Lin., raro in foliorum mortuorum pagina inferiore. Majo 1878. leg. Ch. H. Peck.

Pseudopeziza Morthierii Sacc. in Michelia I. p. 357. — *Myc. un.* no. 1413.

P. maculis foliorum hypophyllis, hinc inde gregariis, planoscutellaribus, adnato-sessilibus, minutissimis, flavo-fulvis, glabris; ascis cylindraceo-clavulatis, 45 mm. long., 7 mm. crass., subsessilibus, achrois, paraphysibus filiformibus obvallatis, octosporis; sporis distichis, cylindraceo-clavulatis, 7—10 mm. long., 2—2.5 mm. crass., hyalinis. — *A. Peziza misella* Desm., *P. dumorum* Desm., *P. oedema* Desm. et *Pseudop. exigua* Niessl, Ruborum folia habitantibus, prorsus diversa.

Helvetia; Corçelles pr. Neuchâtel ad paginam inferiorem foliorum vivorum *Rubi Schleicheri* Weihe (*R. glandulosi* Schleich.) in sylvis. Aest. 1878. leg. Dr. P. Morthier.

Peronospora Setariae Pass. nov. spec. — *Myc. un.* no. 1315.

Hypophylla, late effusa, candida, tandem sordidule cinerea; stipites crassi, erecti, primo simplices, subclavati, dein parce ramosi, ramis primariis brevibus, suboppositis, adscendentibus, apice incrassatis, palmatifide ramosulis; conidia subglobosa, hyalina.

Parma: Vighefio ad folia juniora explanata et pallidula *Setariae verticillatae* Beauv., interdum cum *Protomycete graminicola* Sacc. Fung. Venet. Ser. V. no. 91. (*Ustilago Urbani* Magn.) formam hujus fungi oogoniphoram sistente. Aest. 1878. leg. Prof. Passerini.

Peronospora tribulina Pass. nov. spec. — *Myc. un.* no. 1316.

Hypophylla, caespitibus densis, effusis, candidis; stipitibus erectis, apice parce ramosis, ramis primariis alternis, subpatentibus, breviusculis, ultimis subulatis, arcuatis; sporae subglobosae, hyalinae.

Parma: in horto botanico ad folia viva *Tribuli terrestris* Lin. Aug. 1878. leg. Prof. Passerini.

Cystopus cubicus De By. in Ann. sc. nat. 1863 p. 128. f. *Inulae salicinae*. Fungus oogoniphorus. — *Myc. un.* no. 1423.

Parma: Vigheffio in *Inulae salicinae* Lin. foliis vivis. Aug. 1878. leg. Prof. Passerini.

Obs. Oosporae in macula primo ferruginea, dein fusco-exarida, globosae, 50—55 mm. diam., episporio crasso, punctulato, castaneo-fusco.

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Vossia Thüm. nov. gen. Ustilaginearum in Oesterr. bot. Zeitschr. 1879. p. 18.

Mycelium e hyphis tenuibus, hyalinis, 4—5 mm. crassis, apice non dissolutis sed pseudoascum vel follicolam gelatinosam, subdurabilem circa sporam maturam, cum processu sublongo cormoideo, formans; sporae ellipsoideae vel ovatae, fuscae. — Ovaria Graminearum implectens et turgens. — *Tilletia* proxima, sed characteribus notis differt.

Vossia Moliniae Thüm. nov. spec. — *Myc. un.* 1216.

V. semina vel ovaria toto implectens, subdeformans, augens, turgens, nigrificans, demum disrumpens et protuberans; mycelii hyphis sporiferis longis, tenuibus flexuosisve, hyalinis, apice non dissolutis, follicolam gelatinosam, subdurabilem circa sporam maturam cum processo sublongo, sursum sensim incrassato, cormoideo formans; sporis ellipsoideis vel ovatis vel raro interdum clavulutis, utrinque angustato-rotundatis, raro subacutatis, sordide fuscis, episporio tenui, obsolete punctulato, 20—30 mm. plerumque 24 mm. long., 14—16 mm. crass. — Species valde insignis!

Carniolia: Laibach in *Moliniae coeruleae* Mönch ovariis. Oct. 1878. leg. Prof. W. Voss.

Ustilago Carbo Tul. Mem. s. l. Ustilag. p. 78. var. *Lepturi* Thüm. in Fisch. Waldh. in Ann. sc. nat. 1877 IV. p. 200. — Grevillea VI. p. 102 — *Myc. un.* no. 1218.

Aegyptus: Damiette in *Lepturi incurvati* Trin. ovariis. Jul. 1876. leg. Dr. G. Schweinfurth.

Sorosporium Vossianum Thüm. nov. spec. — *Myc. un.* no. 1319.

S. ovarium toto implectens, deformansve, demum massas grumulosas, protrusas, aterrimas, siccas formans; filametis subgelatinosis, tenuibus, hyalinis, flexuosis; glomerulis angulosis vel irregularibus, multisporis; sporis eximie variis: angulosis, subglobosis, subpyriformibus, multangularibus, dilute fuscis, fere homogenis, episporio subtenui, laevi 8—16 mm. diam.

Carniolia: Laibach in *Moliniae coeruleae* Mönch ovariis. Oct. 1878. leg. W. Voss.

Aecidium Dracunculi Thüm. nov. spec. in Bull. Soc. Natur. Moscou 1878. p. 212. — *Myc. un.* no. 1223.

Ae. pseudoperidiis hypophyllis vel raro etiam amphiganis in macula rubiginoso-fusca, indeterminata, non marginata, soros parvos formans, densis, elevatis, magnis, pallide lutescentibus,

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ore subcrenulato, pallidiore; sporis globosis vel late ellipsoideis, achrois, episporio tenui, laevi, 16—18 mm. diam. — Ab *Aecidio Martianoffiano* Thüm. in Bull. Soc. Natur. Moscou 1877. p. 135 et in Mycothea univers. no. 821 forma pseudoperidiorum sporarumque et etiam magnitudine toto coelo diversum.

Sibiria occidentalis: Minussinsk in ruderatis ad folia viva *Artemisiae Dracunculi* Lin. (no. 325.) leg. N. Martianoff.

Aecidium myricatum Thüm. — *Caeoma myricatum* Schweinz. Syn. North Americ. Fungi p. 294. no. 2894. — *Myc. un.* no. 1224.

America septentr.: Newfield — New-Jersey — in foliis vivis *Myricae ceriferae* Lin. Jul. 1874. leg. J. B. Ellis.

Aecidium Oxalidis Thüm. nov. spec. in Flora 1876 p. 425. — *Myc. un.* no. 1226.

Ae. acervulis hypophyllis, raro amphigenis, congestis, concentrice dispositis, prominentibus, rotundis, flavo-albescentibus demum umbrinis, ore sublacero; sporis globosis, diaphanis, episporio laevi, 24—28 mm. diam., decoloribus.

Promont. bonae spei: Somerset-East in dumetis montis „Boschberg" ad *Oxalidis Bowei* Lodd. folia viva. Jan. 1876. leg. Prof. Mac Owan.

Aecidium detritum Thüm. nov. spec. — *Myc. un.* no. 1324.

Ae. acervulis hypophyllis, sparsis, maculam fuscam in pagina superiore formans; pseudoperidiis primo cylindricis, ore sublaevi, dilute lutescente-albidis, parvis, postremo cito applanatis detritisve; sporis plus minusve ellipsoideis, utrinque rotundatis, episporio folliculoso, crasso, inaequali, hyalinis, homogenis, 25—28 mm. long., 18—20 mm. crass.

Argentina: Concepcion del Uruguay ad *Phyllanthi Sellowiani* Mill. (vulgo „Sarandi blanco") folia viva. Nov. 1875. leg. Dr. P. G. Lorentz.

Aecidium Lithospermi Thüm. nov. spec. — *Aecidium Asperifolii* Pers. Syn. fung. p. 208. f. Rhytispermi Op. Seznam rostl. p. 111. — *Myc. un.* no. 1425.

Ae. hypophyllum vel caulincolum; pseudoperidiis multis, dense aggregatis, plus minusve orbiculato dispositis, submagnis hemisphaerico-elevatis vel fere lenticularibus, pulchre aurantiacis fulgentisve, ore continuo, sublaevi vel minime crenulato, pallido; sporis exacte globosis, episporio subcrasso, punctulato, subgranulato, concolori, oppinato duplice, 22—30, plerumque 25 mm. diam., aurantiacis.

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Moravia: Brünn in monte „Spielberg“ ad *Lithospermi arvensis* Lin. folia viva, raro ad caules. Majo 1879.

leg. de Thümen.

Roestelia carpophila Bagnis nov. spec. — *Myc. un.* no. 1326.

R. peridiis elongatissimis, cylindraceis, in inferiori parte conoideis, in ovario seu in florum petiolis immersis, parenchymae hypostrophiam ferentibus, sine mycelii macula, albidis, ad maturitatem superne in laminis divisis; peridiorum cellulis crassis, elongatis, depressis, in serie dispositis, hyalinis, asperulis; pseudosporis numerosissimis, fulvo ochraceis, in superiori parte peridii albidis, in inferiori primo concatenatis, demum liberis, episporio crasso, asperulo; spermogoniis nullis.

Roma: Monte Giannicolo in *Crataegi Pyracanthae* Pers. et *C. Oxyacanthae* Lin. ovariis et petiolis vivis. Apr. 1878.

leg. Dr. C. Bagnis.

Peridermium coruscans Thüm. — *Aecidium coruscans* Fr. in Phys. Sällskab. Arb. 1824, p. 92. — Rees, Rostpilz f. deutsch. Coniferen p. 52. — *Myc. un.* no. 1428.

Fennia: Mustiala in *Piceae vulgaris* Lam. foliis vivis junioribus. Fine mensis Julii 1879. leg. Dr. P. A. Karsten.

Ceratitium Mespili Thüm. — *Aecidium Mespili* De C. Fl. franç. VI. p. 98. — *Ceratitium cornutum* Rabh. in Bot. Zeit. 1851 p. 425 pr. p. — *Myc. un.* no. 1429.

Saxonia: Dresden ad *Mespili germanicae* Lin. folia viva. Julio 1875. leg. Hantzsch.

Puccinia Berkeleyi Pass. in Rabh. Fungi. europ. no. 1686 et in Hedwigia 1873 p. 143. — *Puccinia Vincae* Berk. non Cast. — *Myc. un.* no. 1233.

Venetia: Padova in foliis vivis *Vincae majoris* Lin. Jun. 1875.

leg. Prof. Saccardo.

Obs. Status plerumque uredosporus! — Sec. Cooke vix differt a *Puccinia Vincae* Cast.

Puccinia Phlomidis Thüm. nov. spec. in Bull. Soc. Natur. Moscou 1878. p. 216. — *Myc. un.* no. 1236.

P. acervulis epiphyllis, dense gregariis, parvulis, primo epidermide tectis dein liberis, cuticula disrumpenti cinctis, fuscis, sine macula; sporis plus minusve ellipsoideis vel late ovatis, utrinque rotundatis, cellulis saepe nucleatis, fuscidulis, medio minime constrictis, subsessilibus vel cum pedicello brevissimo hyalino, episporio tenui, laevi, aequali, 30—35 mm. long., 20—22 mm. crass., paraphysibus nullis.

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Sibiria occidentalis: Minussinsk ad *Phlomidis tuberosae* Lin. folia viva (no. 271). leg. N. Martianoff.

Puccinia aecidiiformis Thüm. in Flora 1875 p. 378. — *Myc. un.* no. 1328.

P. acervulis hypophyllis, gregariis in soris sparsis, ochraceis, dein expallescentibus; sporis ovoideis, paullo constrictis, obtusis, pallide flavis, 54—58 mm. long., 30 mm. crass., pedicello hyalino recto, caduco, 6 mm. long. — Fungus Aecidii habitu.

Promont. bonae spei: ad pedem montis „Boschberg" pr. Somerest-East in foliis vivis *Nidorellae mespilifoliae* DeC. Aest. 1874. leg. Prof. Mac Owan.

Puccinia Saussureae Thüm. nov. spec. in Bull. soc. Natur. Moscou 1878. p. 214.

P. acervulis amphigenis, magnis, orbiculatis, liberis, inquinantibus, atro-fuscis, sine ordine dispositis et sine macula; sporis clavatis, vertice rotundatis, basi minime in pedicello angustatis, fuscis, medio sub- vel non constrictis, episporio tenui, laevi, 38—44 mm. long., cellula superiore 24—27 mm. crass., saepe in cellulis utrisque nucleus magnus, pallidus adest; pedicello brevissimo, hyalino, caduco.

Sibiria occident.: in *Saussureae glomeratae* Poir. foliis vivis in salsis pr. lacum Tagarskoje Aug. 1878. leg. N. Martianoff.

Puccinia Cicutae Thüm. nov. spec. iu Bull. Soc. Natur. Moscou 1877. p. 136. — *Myc. un.* no. 1333.

P. acervulis minutis, hypophyllis, sparsis, liberis, orbiculatis, fuscis, planis; sporis oblongo-rotundatis, utrinque rotundatis, medio minime vel vix constrictis, episporio laevi vel minime undulato, tenui, vertice non incrassato, 36 mm. long., 28 mm. crass., fuscis, paraphysibus nullis.

Sibiria occidentalis: Minussinsk in foliis vivis *Cicutae virosae* Lin. 1878. leg. N. Martianoff.

Puccinia Ellisiana Thüm. nov. spec. in Bull. New-York Torrey Botan. Club. VI. p. 215 (March 1878).

P. acervulis hypophyllis, gregariis, plus minusve lineariformibus, seriatis, elevatis, atro-fuscis, liberis; sporis ellipsoideis vel sulclavato-ellipticis, septatis, medio vix constrictis, vertice rotundatis, incrassatis, apice rotundatis, a pedicello separatis, episporio dissepimentoque crasso, obscuriore, 30—40 mm. long., 18—23 mm. crass., fuscis; pedicello subrecto, aequali, 18—22 mm. longo, pallidissime fusco; paraphysibus nullis. — Certe a *P. Andropogonis* Fuck diversa!

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America septentr: Newfield — New-Jersey — in *Andropogonis virginiani* Lin. foliis aridis. Jan. 1877. leg. J. B. Ellis.

Puccinia minussensis Thüm. nov. spec. in Bull. Soc. Natur. Moscou. 1878. p. 214.

P. acervulis minutis, dense gregariis, hypophyllis, liberis, fuscis, orbiculatis, saepe epidermide cinctis, sine macula; sporis ovoideis, vertice rotundatis, non incrassatis, medio septatis et plerumque non constrictis, fuscis, saepe irrigularibus depravatisve, episporio tenuissimo, laevi, basi in pedicello caduco, brevissimo, hyalino subangustatis, 26—30 mm. long., 17—20 mm. crass.

Sibiria occidentalis: Minussinsk ad folia viva *Mulgedii sibirici* Less. 1878. leg. N. Martianoff.

Puccinia striatula Peck in litt. — *P. linearis* Peck in XXV. Rep. New-York State museum p. 121. — *Myc. un.* no. 1433.

America septentr.: Copake — New-York — in vaginis foliisque vivis et emortuis *Calamagrostidis canadensis* Beauv. Oct. 1877. leg. Ch. H. Peck.

Uromyces Phacae Thüm. nov. spec. in Bull. Soc. Natur. Moscou 1878. p. 218. — *Myc. un.* no. 1339.

Fungus stylosporiferus: Uredo acervulis linearibus, immersis, epidermide crasso-toroso cinctis, ferrugineo-fuscis, parvis, saepe fere absconditis, densis, plerumque caulincolis; sporis plus minusve globosis, episporio laevi, tenui, fuscis, 20—26 mm. diam.

Fungus teleutosporiferus: Uromyces acervulis Uredine similibus, brunneis, paullo majoribus, semper caulincolis; sporis ellipsoideis vel globoso-ellipticis, vertice rotundatis, basi minime angustatis, fuscis, episporio tenui, laevi, pedicello brevissimo, hyalino, subconico imposito, 3—4 mm. longo, 24—26 mm. long. 18 mm. crass.

Sibiria occidentalis: Minussinsk in salsis ad *Phacae alpinae* Jacq. caules vivos. Aug. 1877. leg. N. Martianoff.

Obs. In speciminibus nonnullis solum fungus stylosporiferus occurrit, sed in plurimis stylo- et teleutosporae promiscue sunt.

Uromyces juncinus Thüm. nov. spec. — *Myc. un.* no. 1436.

U. acervulis subepidermalibus, sparsis, ellipticis, postremo epidermide longitudinaliter disrumpentibus sed non vero liberis, ferrugineis; sporis aut globosulis aut ovoideis aut interdum clavatis, plerumque utrinque truncatis, simplicibus, dilute fumoso-

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fuscis, episporio subtenui, fere laevi sed cum omentiis minutissimis vix visibilibus dense ornato concolori, 30—37 mm. long., 18—24 mm. crass.; pedicello valde caduco, hyalino, arcuato, sursum sensim dilatato, usque 28, mm. plerumque 12—18 mm. longo, 6 mm. crasso. — Ab *Uromycete truncato* Fuck. (*Puccinella truncata* Fuck.) Enum. fung. Nass. p. 18. Fig. 8a, b valde differt habitu et sporarum forma magnitudineque, pedicello hyalino etc.

Ins. Sicilia: Licata in *Junci acutiflori* Lin. culmis vivis. Martio 1879. leg. V. Beltrani.

Uromyces Lupini Sacc. in Nuov. Giorn. bot. Ital. 1873. p. 274. — Id. Di alcune nuove ruggini. p. 11. Fig. 5—8. — *Myc. un.* no. 1439.

f. *Lupini digitati.*

Aegyptus: Senures — Fajum — ad folia viva *Lupini digitati* Forsk. Apr. 1879. leg. Dr. G. Schweinfurth.

Obs. In acervulis forma stylosporifera abundans, fungus teleutosporiferus e contrario parce occurrit! — *Uromyces Lupini* Berk. et Curt. in Proc. Amer. Acad. of arts and scienc. IV. p. 127. ex descriptione valde differt.

Coleosporium cimicifugatum Thüm. nov. spec. in Bull. Soc. Natur. Moscou 1878. p. 222. — *Myc. un.* no. 1250.

C. acervulis hypophyllis, gregariis, aurantiacis, firmis, saepe confluentibus, planis, mediis in parte expallescente, in pagina superiore flavescente; sporis ellipsoideis, concatenatis, utrinque rotundatis, pallide flavidis, 30 mm. long., 20 mm. crass., catenulis plerumque tetrasporis; paraphysibus nullis.

Sibiria occident.: Minussinsk ad *Cimicifugae foetidae* Lin. folia viva. Non frequens (n. 273). leg. N. Martianoff.

Coleosporium Aconiti Thüm. nov. spec. — *Myc. un.* no. 1440.

C. acervulis hypophyllis, gregariis, late effusis, magnis, plano adpressis subfirmisve, luteo-aurantiacis, irregularibus; sporis ellipsoideis vel globulosis, catenulatis in catenulis brevibus quadri—sexsporis, pallidissime luteolis vel plerumque achrois, episporio tenui, minime subechinulato vel fere laevi, 16—22 mm. long., 14—18 mm. crass.

Sibiria occidentalis: Minussinsk ad folia viva *Aconiti barbati* Patr. 1878. leg. N. Martianoff.

Coleosporium Solidaginis Thüm. in Bull. New-York Torrey Bot. Club. VI. p. 216. — *Uredo Solidaginis* Schweinz. Syn.

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fung. Carol. p. 70. no. 472. — *Caeoma asteratum* Schweinz. Syn. N. Amer. Fungi p. 292. no. 2870 pr. p. — *Myc. un.* no. 1443.

f. *Solidaginis giganteae.*

America septentr.: Albany — New-York. — in foliis vivis *Solidaginis giganteae* Ait. Sept. 1876. leg. Ch. H. Peck.

Melampsora Caprearum Thüm. nov. spec. in Mitth. a. d. forstl. Versuchswesen Oesterreichs II. 1. Taf. 1. Fig. 2. — *Melampsora salicina* Lév. Ann. sc. nat. 1847. VIII. p. 375. pr. p. — *Sclerotium salicium* Fr. Obs. mycol. II. p. 358. — *Myc. un.* no. 1345.

Bavaria: Bayreuth in *Salicis Capraeae* Lin. foliis subputridis. Mart. 1876. leg. de Thümen.

Melampsora epitea Thüm. in Mitth. a. d. forstl. Versuchswesen Oesterr. 1879. II. 1.

f. *Salicis purpureae.*

Fungus stylosporiferus = *Uredo epitea* Knz. et Schm.

Bavaria: Bayreuth ad *Salicis purpureae* Lin. folia viva. Sept. 1874. leg. de Thümen.

Uredo transversalis Thüm. nov. spec. in Flora 1876. p. 570. — *Myc. un.* no. 1244.

U. acervulis amphigenis, sparsis, transversali-linearibus, liberis, pulchre aurantiacis; sporis globosis vel globoso-subpyriformibus, episporio crasso, hyalino, subpellucidis, 18—22 mm. diam., dilute fulvis.

Promont. bonae spei: Somerset-East in foliis vivis *Tritoniae securigerae* Ker. Jul. 1876. (no. 1254.) leg. Prof. P. Mac Owan.

Uredo Sherardiae Rostr. nov. spec. — *Myc. un.* no. 1348.

U. acervulis hypophyllis, sparsis vel gregariis, luteis, hemisphaericis vel subconicis, tandem proruptis; sporis ovatis vel ellipsoideis, luteis, episporio granuloso, 22—25 mm. long., 12—15 mm. crass.; paraphysibus nullis.

Dania: Skarup — ins. Fioniae — ad folia, caules et involucra *Sherardiae arvensis* Lin. Sept. 1878. leg. E. Rostrup.

Obs. Affine *Uredinis pustulatae* Alb. et Schwenz.; verosimiliter Melampsorae speciei fungus stylosporiferus.

Uredo lucida Thüm. nov. spec. in Flora 1876. p. 570. — *Myc. un.* no. 1349.

U. acervulis hypophyllis, sparsis vel subgregariis, vel etiam raro confluentibus, lucido-aurantiacis, liberis; sporis globosis vel

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ovoideo-globosis, laevibus, reticulatis, 16 mm. diam., dilute flavidis, episporio crasso.

Promont. bonae spei: Somerset-East in dumetis montis „Boschberg" ad *Rubi rigidi* Sm. folia viva. Aug. 1876.

leg. Prof. P. Mac Owan.

Obs. Fortasse fungus stylosporiferus *Hamasporae longissimae* Körnck. in Hedwigia 1877. p. 23. *Phragmidii longissimi* Thüm. in Flora 1875. p. 379. (Mycotheca univ. no. 542).

(Schluss folgt.)

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