

tata efformatis, late ostiolatis; sporulis bacillaribus, rectis curvulisve, binucleatis vel spurie 1-2-septatis, 18-24 \approx 3, hyalinis.

Hab. in foliis vivis *Achyranthis argenteæ* in Algeria.

10. **Phleospora Chenopodii** Ell. et Kell. in Journ. Myc. 1888, p. 26. — 6515

Maculis amphigenis, suborbicularibus, $\frac{1}{4}$ - $\frac{1}{2}$ cm. diam., pallide rubiginoso-brunneis, margine elevato viridulo cinctis, plus minus concentricè corrugatis; peritheciis amphigenis, erumpenti-superficialibus, nigris, majusculis, sparsis, imperfecte evolutis, subtus fere obsoletis, supra late pertusis; sporulis oblongo-cylindræis, utrinque obtusis, 3-septatis, pallide brunneolis, ad septa constrictis, 20-35 \approx 8-11.

Hab. in foliis *Chenopodii albi*, Manhattan, Kansas Amer. bor. (KELLERMAN et SWINGLE). — Secundum auct. diversa a *Septoria Chenopodii* West.

11. **Phleospora Caricis** E. et E. Journ. Myc. 1888, p. 49. — Macu- 6516

lis rotundis, sordide albidis, 1-2 mm. diam., rubiginoso-cinctis; peritheciis amphigenis, immersis, rudimentariis, parvis, nigris, 1 vel pluribus in quaque macula, subprominulis; sporulis fusoideo-oblongis, hyalinis, 4-7-septatis, 40-60 \approx 12-14.

Hab. in foliis vivis *Caricis angustatæ*, sociâ *Septoriâ lineolata*, Faulkland, Del. Amer. bor. (A. COMMONS).

PHLYCTÆNA Mont. et Desm. — Syll. III, p. 593.

1. **Phlyctæna Kerriæ** Karst. Rev. Myc. 1887. — Peritheciis sparsis, 6517

epidermide fissa tectis, inæqualiter rotundis, depressis, subincompletis, $\frac{1}{3}$ mm. diam.; sporulis filiformi-uncinatis, curvatis v. subflexuosis, hyalinis, 18-26.

Hab. in ramis aridis *Kerriæ japonicæ* pr. Rouen in Gallia (J. B. P. LETENDRE). — *Phl. phomatellæ*, *Phl. arcuatæ* et *Phl. Gossypii* maxime affinis.

2. **Phlyctæna Passifloræ** Cooke et Mass. XVI, p. 3. — Caulicola; pe- 6518

ritheciis densissime gregariis, minutis, innatis, demum erumpentibus, deorsum incompletis; sporulis filiformi-uncinatis, hyalinis, 35 \approx 1.

Hab. in ramis *Passifloræ*, Brisbane Australiæ (BAILEY).

3. **Phlyctæna Psoraleæ** (Cast.) Karst. et Har. Journ. Bot. 1890,

p. 360, *Sphæria Psoraleæ* Cast. Cat. Mars. pag. 166 p. p. — A 6519
Phl. vagabunda, cui maxime affinis, videtur diversa sporulis egutulatis, 21-30 \approx 3-4.

Hab. ad caules *Psoraleæ* mixta cum *Dipl. Psoraleæ* prope Marseille Galliæ (CASTAGNE).

4. **Phlyctæna Pini** Celotti Micet. Montp. p. 30, f. 4. — Peritheciis 6520
hysteriiformibus, longitudinaliter dispositis, fusoides, 1-1,5 mm.
long., 1¼ mm. lat., rima angustissima dehiscentibus; sporulis fili-
formibus, flexuosis, hyalinis, 60-70 \approx 1,5-2; basidiis non visis.

Hab. in foliis emortuis Pini, Montpellier Gallia.

5. **Phlyctæna strobilina** Karst. et Har. 1890, n. 47. — Peritheciis 6521
gregariis, erumpentibus, difformibus, ut plurimum ovalibus, hyste-
riiformibus, sat late subhysterioideo-dehiscentibus, circ. 0,3 mm.
long.; sporulis filiformibus, utrinque attenuatis, 5-11-septatis, cur-
vulis vel flexuosis, hyalinis, 50-62 \approx 1-3.

Hab. ad squamas strobilorum Abietis excelsæ, Pont-sur-
Seine, Aube Gallia.

6. **Phlyctæna Magnusiana** Allesch. in Allesch. et Schnabl. F. Bav. 6522
n. 188, *Septoria Magnusiana* Allesch. in litt. — Peritheciis spar-
sis vel gregatim acervatis, subglobosis, atris, inferne incomplete
evolutis, amphigenis 120-130 μ . diam., poro rotundo v. inæqualiter
lobato, 30-40 μ . lat. pertusis; sporulis rectis vel sinuosis, raro sub-
curvatis, utrinque obtusis, guttulatis vel spurie 2-3-septatis, 20-
45 \approx 1,5-2.

Hab. in foliis languescentibus Apii graveolentis, Elbach
prope Miesback Bavarica super. (ALLESCHER).

SPHÆROGRAPHIUM Sacc. Syll. III, p. 597.

1. **Sphærographium Lantanoidis** Peck in 38 Rep. St. Mus. pag. 96. 6523
— Peritheciis minutis, teretibus vel subconoideis, apice truncatis,
atris; sporulis subfiliformibus, curvulis vel flexuosis, utrinque le-
niter acutis, sæpe multinucleatis, 40-62 μ . longis, hyalinis, in glo-
bulum album eructatis.

Hab. in caulibus emortuis Viburni lantanoidis in monti-
bus Adirondack Amer. bor.

2. **Sphærographium Coryli** Rich. Cat. Champ. Marn. n. 1766. — Pe- 6524
ritheciis simplicibus vel gregariis, collo longo præditis; sporulis
fusoides; basidiis dendroideo-ramosis.

Hab. in ramis emortuis Coryli Avellanæ, Chaussée, Mar-
ne Gallia.

3. **Sphærographium Coluteæ** Rich. Cat. Champ. Marn. n. 1765. 6525

Hab. in ramulis junioribus Coluteæ arborescentis, St-
Amand Gallia. — Diagnosis desideratur.

CORNULARIA Karst. — Syll. III, p. 598.1. **Cornularia ulmicola** Ell. et Ev. Proc. Acad. Phil. 1891, p. 77. — 6526

Peritheciis tereti-clavatis, nigris, 0,5-1 mm. alt., basi 74 μ , cr., sursum usque 100 μ . cr., apice tenuatis, contextu fibroso, fibrillis sursum in fasciculum densum capitatum secedentibus; sporulis in capitulo inclusis, anguste fusoides, pallide flavidis, multinucleatis, demum pluriseptatis, 70-80 \approx 3, utrinque acutatis et contrarie incurvis; basidiis filiformibus 35 μ . long.

Hab. in cortice emortuo Ulmi, London Canada (DEARNESS). — Affinis *C. hispidulæ* sed glabritie et sporulis diversa.

2. **Cornularia Rhois** Karst. Rev. Myc. 1890, n. 47. An *Sphæroncema* 6527

Rhois Berk., Syll. III, p. 189? — Peritheciis sparsis, atris, suberumpentibus, conoideo-rotundatis, rostro cylindræo, emerso, perithecium excedente; sporulis fusoides-bacillaribus, curvulis, spurie septatis, hyalinis, 54-63 \approx 3-4.

Hab. ad ramos corticatos emortuos Rhois, Ohio Amer. bor. (LESQUEREUX).

3. **Cornularia Boudieri** Rich. Cat. Camp. Marn. n. 1768. — Perithe- 6528

ciis minutissimis, elongatis, nigris, apice incrassatis; sporulis aculeiformibus, ad peritheci apice demum congestis.

Hab. in cortice Pini, Ablancourt Galliæ.

GAMOSPORA Sacc. Misc. Myc. II, p. 9 (Etym. a *gamos* connubium et *spora*). — Perithecia subsuperficialia, globulosa, minuta, subastoma, membranacea, setis divergentibus, atris vestita. Sporulæ bacillares, pluriseptatæ, hyalinæ, in sterigmatis communis apice subternæ et cum eo persistentes; basidia bacillaria, brevia, apice sterigmata subterna gerentia. — In grege *Sphærioidearum scolecosporarum* sectionem propriam sistit.

1. **Gamospora eriosporoides** Sacc. et Berl. Misc. Myc. II, pag. 9 et 6529

Rev. Myc. 1885. — Peritheciis epiphyllis, mycelio tenuissime maculoso, fusco interspersis, punctiformibus, globoso-depressis, setulis cuspidatis, septatis, rectis, 140-150 \approx 4-5, atro-fuligineis parce vestitis; contextu peritheci minute celluloso, dilute fuligineo prope basim subprosenchymatico; sporulis bacillaribus, rectis, utrinque obtusiusculis, 3-4-septatis, 50-60 \approx 7, in apice sterigmatis subternis et eo persistenter hærentibus; sterigmatibus subternis in basidio communi et ab eo mox secedentibus; sterigmatibus basidiisque sporulæ tertiam partem æquantibus.

Hab. in foliis coriaceis languidis, Logan Australiæ. — Sporulæ basi, *Eriosporæ* fere ad instar, diu connexæ, tandem vero interdum secedunt.

SEPTOSPORIELLA Oud. Contr. Mycol. XIII, p. 52 (Etym. a *Septoria*, cui affinis) [nec *Septorella* Berk. quæ = *Phleospora*]. — Stroma intus locellatum. Sporulæ pluriseptatæ, muticæ, dilute coloratæ, in basidiis simplicibus acrogenæ. — Est quasi *Septoria* stromate dothideaceo prædita.

1. **Septosporiella Phragmitis** Oud. Contr. Myc. loc. cit. f. 34. — Stromatibus erumpentibus, angustis, ostioli punctiformibus vix notatis, loculis 90-100 μ . diam., mono- vel distichis perfossis; sporulis bacillaribus, rectis vel curvis, 2-8-septatis, 50 \approx 3,5 vel brevioribus, dilute olivaceis; basidiis monosporis, tenuissimis; sporulis subbrevioribus. 6530

Hab. in culmis et vaginis Phragmitis communis, Loosduinen Nederlandiæ.

CYTOSPORINA Sacc. — Syll. III, p. 601.

1. **Cytosporina Persicæ** Brun. Suppl. Sphæroid. p. 5. — Stromatibus corticalibus, nigris, subrotundis, oblongis vel irregularibus, subpulvinatis, nigris, epidermide decolorata, demum rupta tectis, locellis majusculis, interdum plus minus circinantibus; sporulis filiformibus, 50-60 \approx 1,5-2, hyalinis, pluriseptatis. 6531

Hab. in ramulis emortuis Persicæ vulgaris, Pessines pr. Saintes Galliæ.

2. **Cytosporina Staphyleæ** Cooke in Grev. XVI, p. 48. — Stromate minuto, sparso, nigro, convexo, erumpenti; sporulis cylindræis, obtusis, curvis, multiguttatis, 25 \approx 4; basidiis brevissimis. 6532

Hab. in ramis Staphyleæ trifoliatæ, Kew Britannia.

3. **Cytosporina hysteroioides** Cooke in Grev. XVI, p. 48. — Stromatibus gregariis, elongatis, ellipsoideis, per epidermidem hysteroioido-erumpentibus, nigris; sporulis cylindræis, obtusis, curvis, continuis, hyalinis 20 \approx 4; basidiis brevibus. 6533

Hab. in ramis Celtidis, Kew Britannia.

4. **Cytosporina Quercus** Pass. in Brun. Champ. Saint. V, pag. 7. — Stromatibus numerosis, sparsis, pustuliformibus, erumpentibus, globosis, astomis, epidermide cinctis; sporulis bacillari-fusoideis, incurvis, continuis, hyalinis, 30-45 \approx 2-2,5. 6534

Hab. in ramis emortuis Quercus, Pessines pr. Saintes Galliæ.

GELATINOSPORIUM Peck — Syll. III, p. 596.

1. **Gelatinosporium fulvum** Peck in 38 Rep. St. Mus. pag. 97. — Pe- 6535
 ritheciis cæspitosis, stipatis, erumpentibus, externe pulverulentis,
 pallide brunneis, madore apice dehiscentibus et tum massam spo-
 rularum albam ostendentibus; sporulis elongatis, curvis, utrinque
 attenuatis, 75 μ . longis, hyalinis.

Hab. in ramis emortuis Betulæ luteæ, Caroga Amer. bor.

2. **Gelatinosporium magnum** Ellis North Am. F. n. 957. — Perithe- 6536
 ciis transverse erumpentibus, globoso-conoideis, nigris, 2-4-aggre-
 gatis, subcoriaceis; sporulis teretiusculis, falcatis, utrinque rotun-
 datis, nubiosis, hyalinis, 45 \approx 4.

Hab. in cortice ramulorum emortuorum Betulæ, Decorah
 Jowa Amer. bor. (E. W. HOLWAY). — A *Gel. betulino* differt
 sporulis crassiusculis, curvatis, utrinque obtusulis, an satis?

MICROPERA Lév. — Syll. III, p. 604.

1. **Micropera Mali** Pass. in Erb. Critt. Ital. Ser. II, n. 1488. — 6537
 Peritheciis ut *Microperæ Drupacearum* sed nigris, apice cæsio-
 pruinosis; sporulis etiam similibus sed brevioribus, 18-32 \approx 1,5.

Hab. in ramis emortuis Piri Mali prope Parma Ital. bor.

Fam. 2. Nectrioidæ SACC.*Subfam. 1. Zithiæ* Sacc.*Sect. 1. Hyalosporæ.***ZYTHIA** Fr. — Syll. III, p. 614.

1. **Zythia Pinastri** Karst in Rev. Myc. 1885, pag. 106. — Perithe- 6538
 ciis erumpentibus, subcæspitosis vel sparsis, conoideis vel rotunda-
 tis, siccis difformibus, inæqualibus, subinde ostiolo papillato prædi-
 tis, aurantiacis, glabris, 0,2-0,3 mm. diam.; sporulis elongatis vel
 fusoideo-oblongatis, eguttulatis, hyalinis, 2-3,5 \approx 0,5-0,6, madore
 in cirros aureos expulsis; basidiis filiformibus, circiter 15 \approx 1-1,5.

Hab. ad folia Pini silvestris dejecta in regione aboensi
 Fenniæ.

2. **Zythia resinæ** (Ehrenb.) Karst. Symb. Myc. Fenn. XXI, p. 104, 6539
Cytospora Ehrenb., *Tuberculariæ resinæ* (Ehrenb.) Thüm., Syll.

IV, pag. 649. — Peritheciis gregariis vel sparsis, superficialibus, ovoideis v. sphæroideis, levibus, sordide rubris v. aurantio-lateritiis demum poro obsolete pertusis, contextu membranaceo, 0,2-0,3 mm. diam.; sporulis sphæroideis, hyalinis, 1,5-2 μ . diam.

Hab. in resina recenti Pini silvestris, P. austriacæ in Germania, Austria, Fennia.

3. **Zythia ovata** Peck 49 Rep. p. 47. — Peritheciis ovatis, udis ru- 6540
bentibus v. carneis, siccis nigris, 2-3-gregariis, subsuperficialibus, 625-750 μ . long., 425-450 μ . lat.; sporulis oblongis, hyalinis, 7,5 \approx 3; basidiis dense fasciculato-ramosis.

Hab. in cortice emortuo Populi, South Ballston Amer. bor.

4. **Zythia Galii** Oud. Contr. Flor. Myc. Pays-Bas XI, pag. 34. — 6541
Peritheciis hypophyllis, $\frac{1}{10}$ mm. latis, depresso globosis, diu sub epidermide latentibus, membranaceis, tenuissimis, coloris fulvi maxime diluti, denique ostiolo simplici apertis; sporulis numerosissimis, continuis, hyalinis, 8-10 \approx 2.

Hab. in foliis Galii Molluginis, Putten Hollandiæ. — Usque dum latent perithecia, folia pellucide punctata facile crederes.

5. **Zythia Nectriola** Speg. Guar. I, p. 151. — Maculis amphigenis, 6542
parvulis, 2-3 mm. diam., indeterminatis, pallescentibus, parum manifestis; peritheciis hypophyllis, sparsis, globosis, minutissimis, 60-80 μ . diam., griseo-albis, tenuissime membranaceis, astomis, rugulosis, subiculo mucoso, hyphis exilissimis, parum manifestis efformato, insidentibus; sporulis ellipticis v. subcylindræis, 4-6 \approx 1, utrinque rotundatis, rectis v. inæquilateralibus, hyalinis.

Hab. ad folia languida Commelinæ sp. cujusdam, in silvis valliculæ Yakan inter Paraguarí et Valenzuela Brasilæ.

6. **Zythia lancispora** Speg. Guar. I, p. 151. — Maculis nullis v. vix 6543
manifestis, fuscescentibus; peritheciis epiphyllis, globulosis, 250-300 μ . diam., adnato-superficialibus, fuscis v. fuscescentibus, glabris, rugulosis, carnosulis, mycelio asteromaceo, parum evoluto insidentibus, contextu indistincto circa ostiolum papillatum, vix manifestum nigrescente, ceterum fulvo; sporulis lanceolatis, 12-14 \approx 2,5-3, rectis vel vix curvulis, sursum attenuato-acutis deorsum attenuato-truncatis, nubilosis, in pedicello a matrice non secedente brevi acrogenis, hyalinis.

Hab. ad folia viva Bambusacæ cujusdam pr. Naranjo Brasilæ.

7. **Zythia lonchosperma** Speg. Guar. I, p. 150. — Peritheciis sub- 6544
culo compactiusculo, albo, ex hyphis rectis, non v. ramosis, 2 μ .

cr., hyalinis, septulatis, composito, insidenti-aggregatis, globulosis vel subovatis, 200-250 μ . diam., carneo-aurantiis, glabris vel minutissime squarruloso-puberulis, membranaceis, contextu indistincto, circa ostiolum hyalino, ceterum sanguineo; sporulis lanceolatis, 28-30 \times 4-5, nubiosis, sursum attenuato-acutissimis, deorsum subattenuatis, truncatis, pedicello parvulo, a matrice secedente acutis, hyalinis.

Hab. ad Cocci emortui sp. quamdam in foliis putrescentibus Laurineæ indeterminatæ pr. Peribebuy Brasilæ.

CHÆTOZYTHIA Karst. Symb. Myc. Fenn. XXVIII, p. 41 (Etym. *chæte* seta et *Zythia*). — Perithecia superficialia, ovoidea, astoma, membranacea, mollia, aurantiaca, setulis obsessa. Sporulæ ellipsoideæ, continuæ, aureæ.

1. **Chætozythia pulchella** Karst. loc. cit. — Peritheciis sparsis vel subcæspitosis superficialibus, ovoideis levibus, roseo-aurantiacis undique, vertice excepto, setulis divergentibus, strictis continuis, albis, 30-50 \times 2-4 obsitis, circiter 0,2 mm. diam.; sporulis sphæroideo-ellipsoideis vel ovalibus, continuis, hyalino-aureis, 10-13 \times 7-9. 6545

Hab. supra librum ramulorum emortuorum Syringæ vulgaris in horto mustialensi Fenniæ.

EUROTIOPSIS Karst. Rev. Myc. 1889 (Etym. ab *Eurotio*, cui analogum). — Perithecia superficialia, hyphis repentibus suffulta, sphæroidea, astoma, tenuissime membranacea, glabra, sulphurea. Sporulæ globulosæ, continuæ, hyalinæ.

1. **Eurotiopsis minima** Karst. loc. cit. — Peritheciis sæpius glomerulatim aggregatis, glaberrimis levissimis sulphureis 60-90 μ . diam., contextu tenuissime membranaceo, imperspicue parenchymatico, hyalino; hyphis hyalinis vel fulvescentibus, levibus, basi asperulis vel granulosis, fulvis, apice recto, obtuso, rotundato, hyalino; sporulis sphæroideis vel ellipsoideo-sphæroideis, 3-4 μ . diam. vel 4 \times 3. 6546

Hab. supra corticem arborum frondosarum vetustum in Minas Geraes Sitio Brasilæ (EDW. WAINIO). — *Eurotio?* *bonariensi* Speg. affinis, sed minor.

PLEOSPOROPSIS CErst. — Syll. III, p. 693.

1. **Pleosporopsis Heteromeles** Cooke et Hark. in Grev. XIII, p. 111. 6547 — Hypophylla; peritheciis gregariis, aurantio-fulvis, globoso-de-

pressis, $\frac{1}{2}$ mm. glabris, pulpa pulverulenta, flavida; sporulis globosis, subpellucidis, 8 μ . diam.

Hab. in foliis emortuis *Heteromeles* in California (HARKNESS).

SPHÆRONÆMELLA Karst. — Syll. III, p. 617.

1. **Sphæronæmella Rosæ** Ell. et Ev. Journ. Myc. 1889, p. 152. — 6548

Peritheciis erumpentibus, epidermide lacerata cinctis, membranaceis, ovatis, flavidis, dein nigricantibus, circ. $\frac{1}{5}$ mm. diam., nucleo albo, supra in ostiolum breve, cylindraceum, membranaceum, pallidum, dein sporularum globulo flavo coronatum attenuatis; sporulis angustis, ellipsoideis, hyalinis, continuis, 4,5-5,5 \approx 2,5-3.

Hab. in ramis emortuis et calycibus vetustis *Rosæ lucidæ*, Newfield, N. J. Amer. bor.

2. **Sphæronæmella carnea** Ell. et Ev. Journ. Myc. 1889, p. 152. — 6549

Peritheciis gregariis, erumpentibus, carneis, subulatis, 2 mm. long., basi nucleum sporuligerum continente incrassatis; sporulis oblongis, hyalinis, continuis, circ. 15 \approx 4, utrinque rotundatis,

Hab. in cortice *Aceris* ad lacum Skaneateles, New York Amer. bor. (REV. J. L. ZABRISKIE).

3. **Sphæronæmella mirabilis** Speg. F. Puigg. n. 428. — Peritheciis 6550

gregariis vel subfasciculatis cylindraceis cinnabarinis glabris 2-3 mm. long., 250-300 μ . cr., rectis v. subarcuatis; sporulis ellipsoideis vel ovoideis, hyalinis, 2,5-4 \approx 1-1,5; basidiis filiformibus 6-10 \approx 1 monosporis, cavitatem intern. perithecii occupantibus.

Hab. ad cortices dejectos putrescentes in silvis prope Apiahy Brasiliæ. — Species pulchella habitu *Stilbum cinnabarinum* capitulo orbatum simulans. Species simillima specimini sterili, sub nomine *Psilopezicæ mirabilis* B. et C., a Clar. Wrightio misso; an identica?

4. **Sphæronæmella filicina** Cooke et Mass. Grev. XIX, p. 4. — Peri- 6551

theciis cylindricis 1 mm. long., carneis, apice perforatis superficialibus, sparsis; sporulis continuis, ovalibus, hyalinis, 3 \approx 2.

Hab. in Hymenophyllo in Nova Zelandia (COLENZO).

5. **Sphæronæmella fimicola** March. Champ. copr. VI, p. 12. — Peri- 6552

theciis sparsis raro gregariis, superficialibus, sphæroideis, 150-250 μ . diam., membranaceis, mollibus, luteolis, glabris, in ostiolum subulatum cylindraceo-conicum, vertice hyalino-penicillatum, 700-820 μ . longitudine productis; sporulis ellipsoideis, hyalinis, leniter curvatis vel rectis, 7-7,5 \approx 2-2,5 μ . muco obvolutis, ad ostioli apicem

demum singulis expulsis et globulum ovoideum albidum, $130 \approx 85$ μ . formantibus.

Hab. in fimo leporino canino et vulpino, Boitsfort, Spa, Recogne, Montbliart Belgii (AP. HARDY). — Affinis *S. Helvellæ* sed ostiolo et sporulis mox distincta. — Var. β . **minor** March. loc. cit.: peritheciis minus evolutis, ostiolo plane conico, haud subnoduloso, in fimo cuniculorum, Limelette Belgii.

ASCHERSONIA Mont., Syll. III, p. 619, nec Endl. (quæ = *Laschia*).

1. **Aschersonia viridans** (B. et C.) Pat. Bull. Soc. Myc. 1891, p. 48, 6553

Hypocrea B. et C., Syll. II, p. 532. — Sec. Pat. loc. cit. sporulæ ascis nullis inclusæ, fusoideæ, hyalinæ, $12-15 \approx 2-3$; basidia bacillaria simplicia, peritheciis superficiem internam occupantia; hinc vera *Aschersonia* nec *Hypocrea*. Quoad *A. oxysporam* cfr. Speg. F. Puigg. n. 475.

MUNKIA Speg. Guar. I, p. 155. — Stromata globosa vel lenticulari-hemisphærica, majuscula, punctulata, intus suberoso-vel floccoso-compacta, alba, cortice vix distincto. Loculi stromate infossi, subcupulato-aperti, hyphis penicillatim exsurgentibus fæcti; hyphæ simplices, cylindraceæ, rectæ. Sporulæ globosæ, simplices, hyalinæ, in hyphis pleurogenæ. — Genus perquam singulare, nulli alii affine; ad interim hoc loco in systemate receptum et probabiliter statum *Hypocrellæ* cujusdam stylosporicum sistens.

1. **Munkia Martyris** Speg. Guar. I, p. 155. — Stromatibus globoso- 6554

lenticularibus, 6 mm. diam., 4-5 mm. cr., duris, coriacellis, irregulariter applanatis v. rimula parum profunda percursis, extus sordide griseis, basi v. parte infera excepta, punctulis albis, tomentellis dense inspersis, intus albis, flocculoso-compactis; loculis subglobosis, $200-300$ μ . diam., spatio duplo separatis, numquam confluentibus, parum insculptis, ostiolo latissimo, $150-200$ μ . diam., donatis, hyphis fasciculatis, longe ex eo penicillatim exsurgentibus; hyphis liberis totum cavum loculorum implentibus, gracilibus, $450-600 \approx 2,5$; sporulis globosis vel inferne nonnihil depressis, $2,5-3,5$ μ . diam., grosse 1-guttulatis, hyalinis, papillis pleurogenis hypharum solitarie fultis.

Hab. ad ramulos hornotinos *Bambusaceæ* cujusdam in paludosis pr. Guarapî Brasilæ.

Sect. 2. Phæosporæ.

MARTINELLA Cooke et Mass. Grev. XVIII, p. 7, ut subg. (Etym. a Domina MARTIN mycologa alacri australiensi). — Stroma et perithecia *Polystigminæ* sed sporulæ subsphæroideæ v. ellipticæ, continuæ, fuscæ.

1. **Martinella Eucalypti** (Cooke et Mass.) Sacc. *Polystigmina* Cooke 6555 et Mass. loc. cit. — Epiphylla; stromate suborbiculari, carnoso, planiusculo, rufo-fusco; peritheciis minutissimis, immersis, saturatoribus, ostiolo pertuso; sporulis sphæroideo-ovalibus, continuis, læte fuscis, 6 = 4.

Hab. in foliis *Eucalypti*, Lilydale Victoria Australiæ (Mrs. MARTIN).

Sect. 3. Didymosporæ.

PSEUDODIPLODIA Karst. — Syll. III, p. 621.

1. **Pseudodiplodia corticis** Grove in Journ. of Bot. 1886, p. 197. — 6556
Late effusa; peritheciis gregariis vel in lineas breves aut maculas contractis, 1-1,4 mm. diam., globulosis vel oblongis, levibus, nitidis, contextu ceraceo mollissimo, olivaceo, minute celluloso, emergentibus, denique semisuperficialibus, siccis atro-fuscis, poro pertusis exiguo, dein celeriter dilatato, subinde phacidiiformiter vel hysteriiformiter laceratis, mox parte superiore prorsus evanidis; nucleo olivaceo, senio (disco) subnigro; sporulis oblongis, subfusiformibus, utrinque obtusis vel basi vel apice acutatis, rarius curvulis, diu continuis, dein senioribus tenuiter uniseptatis, vix constrictis, vix guttulis, singulis hyalinis, coacervatis dilute olivaceis, 10-14 = 3-4; basidiis subramosis, fasciculatis, duplo-triplo longioribus suffultis.

Hab. in pagina interiori corticis vel etiam in ligno *Aceris Pseudoplatani*, Sutton Coldfield, prope Birmingham Britanniae. — A *P. lignaria* Karst. differt loco natali, sporulis angustioribus, sed imprimis peritheciolorum magnitudine, quæ 5-7-plo majora. An his notis satis distincta? Num vere e Nectrioideis sit, dubium manet.

Sect. 4. Hyalophragmiæ.

STAGONOPSIS Sacc. — Syll. III, p. 621.

1. **Stagonopsis Phaseoli** Erikss. in Bot. Centralbl. 1891, n. 36, p. 298. 6557
— Maculis orbicularibus, 6-12 mm. diam., brunneis; peritheciis epiphyllis, præsertim in partibus exterioribus maculæ laxe gregariis v. sparsis, pallide carneis, ostiolatis, 60-80 μ . diam.; sporulis subfusoides, 1-3-septatis, hyalinis, 17-24 \times 3-4.

Hab. in foliis Phaseoli vulgaris in Suecia.

2. **Stagonopsis virens** Mout. Ascom. Lieg. II, pag. 8. — Peritheciis 6558
sparsis, maculas viridulas effusas in caulæ gignentibus, globoso-depressis, $\frac{1}{5}$ mm. diam., pertusis, contextu amœne virente; sporulis in basidiis bacillaribus continuis, brevissimis acrogenis, longe fusiformibus, 7-8-cuboideo-nucleatis spurieque septatis, sæpe curvulis, hyalinis, 35-40 \times 5.

Hab. in caulibus Angelicæ et Spirææ Ulmaricæ, Beaufays et Forêt Belgii.

3. **Stagonopsis Peltigeræ** Karst. Symb. XX, pag. 106. — Peritheciis 6559
laxe gregariis, subsuperficialibus, ceraceis, nudis, sphæroideis, dein sæpe cupulato-depressis, demum poro pertusis, testaceis, tandem, præcipue siccitate, fulvescentibus, 300-400 μ . lat.; sporulis oblongatis, utrinque obtusis, curvulis, raro rectis, spurie 1-3-septatis, 16-22 \times 4,5-6.

Hab. in thallo languido Peltigeræ caninæ prope Mustiala Fennicæ. — Cum *Nectria erythrinella* v. *N. lecanode* metagenetice conjuncta.

Sect. 5. Scolecosporæ.

TRICHOCREA March. Champ. copr. VI, p. 14 (Etym. *thrix* pilus [basidium] et *creas*, caro). — Perithecia superficialia, ovoidea, contextu parenchymatico, ceraceo-molliuscula, læticoloria, initio clausa demum late aperta, fere discoidea. Sporulæ numerosissimæ, anguste cylindræ, 1-septatæ, hyalinæ, basidiis elongatis, filiformibus, dense fasciculatis, sursum 1-3-ramosis, suffultæ.

1. **Trichocrea stenospora** March. loc. cit. — Peritheciis sparsis, gla- 6560
bris, pallide ochraceis, 500-700 \times 250-380; sporulis rectis sæpe intus minute granulosis vel nucleolatis, utrinque rotundatis, ad septum non constrictis, 16,2-18 \times 1,7-1,9.

Hab. in fimo vetusto damarum, Tervueren Belgii. — Ob basidia longe filiformia et dense fasciculata ad *Tuberculariam* nutat, sed perithecium perfectum adest.

RHYNCHOMYCES Sacc. et March. Champ. copr. p. 28 (Etym. *rhynchos* rostrum et *myces* fungus). — Perithecia subglobosa, in rostrum subulatum abeuntia, molliuscula, læte colorata (ochraceo-rubentia). Sporulæ fusoido-bacillares, acutæ, 1-septatæ, hyalinæ, deorsum in setulam (basidium?) cuspidatam sensim attenuatæ. — Est quasi *Sphæroncæmella* scolecospora.

1. **Rhynchomyces Marchalii** Sacc. in March. Champ. copr. pag. 28. 6561

— Peritheciis gregariis vel subaggregatis, superficialibus, ovoideo-subglobosis extus hyalino-papillosis, flavicantibus, contextu laxo celluloso, 140-160 × 110-125, ostiolo subulato-rostrato, 255-265 × 35-45, stricto, glabro, ochraceo, contextu e cellulis vermicularibus, subparallelis conflato; sporulis ad apicem rostri demum expulsis et globulum albidum, ellipsoideum formantibus, fusoido-bacillaribus, rectis vel leniter curvis, apice acutis, deorsum sensim stipitato-setigeris, 65-70 × 5,4-5,6, 1-septatis, non constrictis, hyalinis, sæpius strato mucoso, diaphano involutis.

Hab. in fimo vulpino in Arduennis. — Septulum adest obsoletum in limite inferiore sporulæ versus stipitem seu setulam. — *Eleutheromycetem longisporum* in mentem revocat, sed in præsentem genere asci vere nulli.

Subfam. 2. **Patellineæ** Sacc.

OLLULA Lév. in Ann. Sc. Nat. 1863, pag. 299 (Etym. ab *olla*). — Cupulæ submembranaceæ, concavæ, late apertæ, basi puncto matrici adnatæ; discus læte coloratus e basidiis ramosis, apice monosporis formatus. Sporulæ oblongæ, continuæ, hyalinæ. — « An *Patellinæ* affinis? »

1. **Ollula pezizoidea** Lév. in Ann. Sc. Nat. 1863, pag. 299. — Peritheciis levibus, albis, disco aurantiaco; sporulis oblongis, continuis, incoloribus, diametro triplo quadruplove longioribus. 6562

Hab. ad cortices, Villeta la Vega Nov. Granat. — Fungillus hic exacte faciem minusculæ *Pezizæ* aurantiacæ exhibet.

TRICHOSPERMA Speg. F. Guar. II, n. 179 (Etym. *thrix* pilus et *sperma* spora). — Cupulæ ceraceæ parvulæ, subiculo phyllogeno tenui

albo insidentes. Sporulæ filiformes dense constipatæ e strato proli-
gero immediate oriundæ.

1. **Trichosperma pulchellum** Speg. F. Guar. II, n. 179. — Subiculi 6563
cæspitulis parvulis 0,5-1 mm. diam., hypophyllis, marginalibus
ad folii denticulos tantum sparsis, compactiusculis, candidis non v.
vix radiantibus, ex hyphis hyalinis tenerrimis gracilibus compo-
sitis; cupulis subiculo subimmersis, turbinatulis, parvulis 200-250
 μ . diam. extus pallescentibus hyphis paucis hyalinis radiantibus
vestitis, disco succineo-aurantio; sporulis filiformibus 180-200 \approx 1,
continuis, rectis vel vix flexuosulis, hyalinis.

Hab. ad folia *Trichiliæ* Caatiguæ in silvis subvirgineis
prope Guarapí Brasiliæ. — Species pulchella habitu *coccus* pusil-
los albo-gossypinulos perfecte simulans.

Fam. 3. **Leptostromaceæ** SACC.

Sect. 1. **Hyalosporæ.**

LEPTOTHYRIUM Kunze et Schm. — Syll. III. p. 626.

1. *In Dicotyledoneis lignosis.*

1. **Leptothyrium medium** Cooke in Grevillea XIII, pag. 98. — Hy. 6564
pophyllum; peritheciis sparsis, amplis, $\frac{1}{2}$ mm. diam., depressis,
circularibus, atro-brunneis; sporulis angustis, utrinque attenuatis,
12-14 \approx 2.

Hab. in foliis emortuis *Quercus*, Gomshall Britannia. — Var.
castanicola Cooke loc. cit.: peritheciis duplo minoribus sed fructi-
ficatione eadem. In foliis *Castaneæ*, Darenth Britannia.

2. **Leptothyrium castanicolum** Ell. et Ev Journ. Myc. 1888, p. 103. 6565
— Epiphyllum; peritheciis sparsis, scutatis, orbicularibus, nigro-ar-
dosiatis, 115-150 μ . diam., margine æquali vel subcrenato; con-
textu radiato-fibroso.

Hab. in foliis vivis *Castaneæ vescaë*, socio *Glæosporio epi-
phylo* maculas albas gignente, Newfield, N. J. Amer. bor. — Ve-
risimiliter a *L. Castaneæ* diversum.

3. **Leptothyrium Carpini** Brun. Champ. Saint. p. 340. — Peritheciis 6566
sparsis, amphigenis, punctiformibus, e globoso dein depressis, atris,
nitidis, astomis, facile secedentibus; sporulis oblongis, hyalinis, 5-
7 \approx 3, biguttulatis.

Hab. in bracteis fructiferis *Carpini* Betuli, Saintes Gallia.

4. **Leptothyrium aristatum** Cooke in Grev. XX, p. 6. — Peritheciis 6567
sparsis, superficialibus, scutatis, orbicularibus, submembranaceis,
radiatim cellulosis, atro-brunneis, $\frac{1}{10}$ mm. diam.; sporulis cylin-
draceis, valde incurvatis, utrinque obtusis, uno apice setula hya-
lina, obliqua, sporula æquilonga præditis, hyalinis, 14-15 = 2-3.
Hab. in foliis emortuis Eucalypti, Victoria Australiæ (Mrs.
MARTIN). — Ob sporulas aristatas peculiaris typus.
5. **Leptothyrium Eucalyptorum** Cooke et Mass. Grev. XVIII, p. 7. — 6568
Peritheciis in macula exarida sparsis, scutiformi-applanatis, atris,
angulosis, triangularibus v. subquadratis, medio stellato-dehiscenti-
bus; sporulis ovoideis, continuis, hyalinis, 4 = 3.
Hab. in foliis dejectis Eucalypti, Lilydale Victoria Austra-
liæ (Mrs. MARTIN).
6. **Leptothyrium Liriodendri** Cooke in Grevillea XIV, pag. 90. — Pe- 6569
ritheciis in macula exarida, fusca, sparsis, epiphyllis, disciformi-
bus, nitidis, plano-convexis, atris, minutis; sporulis cylindraceis,
curvulis rectisque, tenuibus, hyalinis, 5 = 1.
Hab. in foliis Liriodendri, Aiken S. Car. Americæ borealis
(RAVENEL).
7. **Leptothyrium Buxi** Pass. in litt. Brun. Liste Sphærops. p. 64. — 6570
Maculis albis vel albidis, semiorbicularibus, marginalibus utraque
pagina conspicuis, linea nigra limitatis; peritheciis sparsis, hypo-
phyllis, punctiformibus, nigris, circularibus, applanatis, primo te-
ctis; sporulis globulosis, hyalinis, 2,5-4 μ . diam.
Hab. in foliis Buxi sempervirentis, Saintes Galliæ.
8. **Leptothyrium Berberidis** Cooke et Mass. in Grev. XVI, p. 9. — 6571
Peritheciis amphigenis, minutis, punctiformibus, nigris, sparsis, di-
scoideis; sporulis cylindraceis, utrinque rotundatis, continuis, hya-
linis, 8-9 = 1,5-2.
Hab. in foliis aridis Berberidis vulgaris, Oxford Britan-
niæ (BAXTER). — Probabiliter idem est **Leptothyrium Berberidis**
Rich. Cat. Champ. Marn. n. 1776: peritheciis hypophyllis hemi-
sphæricis, dein centro collabentibus, nigricantibus; sporulis.....
(non descriptis). In foliis emortuis Berberidis vulgaris, Aul-
nay-l'Aître Marne Galliæ.
9. **Leptothyrium Platanoidis** Pass. in Brun. Champ. nouv. VI, p. 4. — 6572
Maculis irregularibus, subaridis, brunneo-pallidis; peritheciis nu-
merosis, sparsis, hypophyllis, punctiformibus, depressis, brunneis;
sporulis bacillaribus, hyalinis, 5-7,5 = 1,5.
Hab. in foliis Aceris platanoidis, Saintes Galliæ.

10. **Leptothyrium Pseudoplatani** Pass. in litt. Brun. Liste Sphærops. 6573
p. 54, *Melasmia Perisporium* Pass. Fung. Gall. nov. in Journ. d'Hist. nat. 1885, n. 4, p. 55. — Maculis nullis; peritheciis epiphyllis, subhemisphæricis, apice dein paullulum depressis, atris, sub-superficialibus, nunquam confluentibus; sporulis botuliformibus, rectis vel curvulis, 8-12 \times 1½-2, hyalinis.
Hab. in foliis emortuis *Aceris Pseudoplatani* prope Saintes in Gallia (BRUNAUD).
11. **Leptothyrium subzonatum** Speg. F. Puigg. n. 431. — Peritheciis 6574
hypophyllis, sparsis, superficialibus, scutato-dimidiatis 200-250, astomis, membranaceis, prosenchymatico-radiantibus, zonulatis; sporulis cylindræis, hyalinis, 4 \times 1; basidiis 10-15 \times 1.
Hab. ad folia viva *Myrtaceæ* cujusdam in nemorosis prope Apiahy Brasilæ.
12. **Leptothyrium zonatum** Speg. F. Puigg. n. 430. — Peritheciis hy- 6575
pophyllis, sparsis, superficialibus, scutato-dimidiatis, 400-600 μ . diam., astomis, membranaceis, contextu prosenchymatico-radiante, zonato; sporulis ellipticis vel ovoideis hyalinis, 4-5 \times 2; basidiis concoloribus, 20-25 \times 1.
Hab. ad folia viva *Myrtaceæ* cujusdam in nemorosis prope Apiahy Brasilæ.
13. **Leptothyrium Panacis** Cooke in Grevillea XIV, p. 129. — Peri- 6576
theeciis gregariis vel sparsis, punctiformibus, scutiformibus, membranaceis, orbicularibus, atro-fuscis; sporulis minutis, cylindræis, rectis vel leniter curvulis, hyalinis, 7 \times 2.
Hab. in pag. super. foliorum emortuorum *Panacis arborei* in Nova Zelandia.
14. **Leptothyrium Pinastri** Karst. Symb. XX, pag. 96. — Peritheciis 6577
amphigenis, scutiformibus, subcircularibus, astomis, nigrescentibus, opacis, exiguis, contextu radiato, ambitu subinde fimbriatulis; sporulis elongatis, rectis, continuis, hyalinis, 5-6 \times 1.
Hab. ad folia putrescentia *Pini silvestris* prope Mustiala Fenniæ.
15. **Leptothyrium Pini-austriacæ** Fautr. in Rev. Myc. 1891, p. 7. — 6578
Peritheciis sparsis, amphigenis, adnatis, applanato-umbonatis, 100 μ . diam.; sporulis cylindræis, rectis, apicibus obtusis et 1-guttatis, 6-8 \times 1-1,5.
Hab. in acubus dejectis *Pini austriacæ*, Morvan, Côte-d'Or Galliæ.
16. **Leptothyrium exiguum** Karst. Sphærops. Fenn. 76. — Peritheciis 6579

sparsis, subinde subseriatis, initio epidermide tectis, forma variis ovalibus elongatis difformibusve, rima longitudinali sæpe flexuosa dehiscentibus, atris, nitidis, 0,3-0,5 mm. long.; sporulis cylindraceis, rectis, eguttulatis, hyalinis, 5-7 \approx 0,5.

Hab. in foliis languidis Pini Cembræ in horto mustialensi Fenniæ (O. KARSTEN).

17. **Leptothyrium Cycadis** Pass. Diagn. F. N. IV, n. 126. — Maculis 6580 oblongis, exaridis, albicantibus, fusco-rubiginoso-marginatis, interdum pinnam dimidiam et ultra occupantibus; peritheciis punctiformibus, sparsis v. quandoque gregariis, atro-nitidis, minute ostiolatis; contextu membranaceo, fuscidulo, celluloso-radiato; sporulis ovalibus, compressis, continuis, hyalinis, 5-6 \approx 2,5-3, a latere visis 1,5 μ . cr.

Hab. in foliis Cycadis revolutæ, Parma in horto botanico Ital. bor.

II. In Dicotyledoneis herbaceis.

18. **Leptothyrium Pirolæ** Karst. Symb. XIX, pag. 88. — Peritheciis 6581 gregariis vel confertissimis, sæpe confluentibus, subcircularibus, nitidis, cupulato-collapsis, atris, punctiformibus; sporulis elongatis, 2-3 \approx 0,5.

Hab. in pag. sup. foliorum siccorum Pirolæ umbellatæ, Villnäs prope Mustiala Fenniæ.

19. **Leptothyrium Melampyri** Bäuml. F. Schemn. I, p. 7. — Maculis 6582 nullis vel sordide griseis, irregularibus; peritheciis superficialibus varie dehiscentibus, contextu parenchymatico fuligineo; sporulis cylindraceis, utrinque rotundatis, hyalinis, numerosissimis, 4-5 \approx 1,5, concatenatis (?); basidiis nullis visis.

Hab. in foliis vivis Melampyri nemorosi, Antal prope Prenzow Hungariæ.

20. **Leptothyrium gentianæcolum** (DC.?) Bäuml. Myc. Not. p. 1, *De-* 6583 *pazea* (DC.) Fr. S. M. II, p. 531, Sacc. Syll. III, p. 62. — Maculis rotundis vel irregularibus griseis dein brunneis; peritheciis subcutaneo-erumpentibus, 60-100 μ . diam., minute parenchymaticis; sporulis elongatis, utrinque rotundatis, 14-16 \approx 3, rectis v. curvulis.

Hab. in foliis Gentianæ acaulis prope Innsbruck Tirolæ transalpinæ.

21. **Leptothyrium Lycopi** Rich. Cat. Champ. Marn. n. 1775. — Pe- 6584 ritheciis applanatis irregularibus nigris; sporulis semilunatis, curvis.

Hab. in caulibus emortuis *Lycopi europæi* ad fossas et ripas Fion, Marne Galliæ.

22. **Leptothyrium microsporum** Sacc. in Rev. Myc. 1886, p. 22. — 6585
Peritheciis epiphyllis, sparsis, applanatis, circulari-subangulosis, $\frac{1}{2}$ mm. diam., radiato-contextis, centro pertusis; sporulis allantoidis, perexiguis, 3-4 \approx 1-1,3.

Hab. in foliis languidis *Solani*, Guarapî Brasilæ.

23. **Leptothyrium tataricum** Brun. Champ. Saint. VII, pag. 5. — Pe- 6586
ritheciis sparsis, aggregatis vel seriatis, suborbicularibus, discoideis, leviter collabascens, nigris, nitidis; sporulis oblongis, hyalinis, 2-guttatis, 6-7 \approx 2,5.

Hab. in caulibus emortuis *Polygoni tatarici* in hortis Rochefort Galliæ.

III. In Monocotyledoneis.

24. **Leptothyrium decipiens** Berk. Fl. Antarc. II, p. 449, t. 163, f. 3. 6587
— Suborbiculare, atrum, nitidum; sporulis tenerrimis, irregulari-subfusiformibus, quandoque curvatis.

Hab. in culmis *Rostkoviæ grandifloræ*, Falkland Island Amer. austr.

25. **Leptothyrium fuegianum** Speg. F. Fueg. n. 425. — Peritheciis 6588
sparsis, atris, scutato-orbicularibus 90-100 μ . diam., tenui-membranaceis; contextu laxe prosenchymatico-reticulato, margine non vel vix denticulato, dilute fuligineo; ostiolo latiusculo, impresso; sporulis ellipticis, utrinque leniter rotundatis, 2-3 \approx 0,8-1, continuis, hyalinis.

Hab. ad culmos emortuos *Rostkoviæ grandifloræ* in Fuegia prope Chair island Brasilæ. — Statum spermogonicum *Microthyrii fuegiani* sistit.

26. **Leptothyrium culmigenum** Sacc. et Brun. Camp. Saint. p. 340. — 6589
Peritheciis sparsis vel adproximatis, discoideis, convexulis, nigris, subastomis; sporulis ovato-oblongis, hyalinis, 3 \approx 1,5.

Hab. in culmis *Bambusæ arundinaceæ*, Saintes Galliæ.

27. **Leptothyrium Angelæ** Sacc. in Rev. Myc. 1884, tab. LV, fig. 5 6590
bis. — Peritheciis superficialibus, gregariis, planis, subcircularibus radiato-contextis margine fimbriatis, $\frac{1}{4}$ - $\frac{1}{2}$ mm. diam.; sporulis fusoideis, minutis, utrinque acutiusculis, 7-8 \approx 1, hyalinis.

Hab. in culmo *Bambusæ mitis* cult. in Gallia meridionali (ANGÈLE ROUMEGUÈRE).

28. **Leptothyrium crastophilum** Bomm. Rouss. Sacc. Contr. Myc. Belg. 6591

IV, p. 290. — Peritheciis sparsis, scutellato-applanatis, orbicularibus, opace nigro-brunneis, 210-250 μ . diam., demum collabascens, contextu radiato; sporulis cylindræis, vulgo rectis, hyalinis, utrinque 1-guttatis, 9-10 \approx 2.

Hab. in culmis et foliis Calamagrostidis arundinaceæ, Poix Galliæ.

29. **Leptothyrium juncinum** Cooke et Harkn. in Grev. XIII, p. 113. 6592
— Gregarium; peritheciis scutiformibus atris, opacis, planis demum concavis, orbicularibus; sporulis cylindræis, obtusis, continuis, hyalino-olivaceis, basidiis brevissimis suffultis.

Hab. in Junco in California (HARKNESS).

30. **Leptothyrium magnum** Speg. Fl. Guar. nonn. n. 140. — Peritheciis (stromatibus?) majusculis superficialibus, dimidiato-orbicularibus, tenui-membranaceis, prosenchymatico-radiantibus, atris, glabris, centro 1-3-colliculoso-loculigeris, 0,5-3 mm. diam., loculis albo-farctis, 60-80 μ . diam.; sporulis elliptico-cylindræis utrinque obtusulis, 8-10 \approx 3, subguttulatis, hyalinis.

Hab. in foliis vivis Nectandræ speciei in silvis Caa-guazû Brasiliæ. — Species pulcra, novi generis facillime typus, statum sporuligerum *Polystomellæ* v. *Hysterostomellæ* sistens.

31. **Leptothyrium ampullulipedum** Speg. Fl. Guar. nonn. n. 141. — 6594
Characteribus externis simillimum *Asterinæ ampullulipedi*, cujus est st. sporuliger; sporulis ellipsoideo-cylindræis, utrinque subtruncato-rotundatis, 6 \approx 3, hyalinis.

Hab. ad folia Laurinææ cujusdam prope Villarica Brasiliæ. — *Lept. punctulatum* Sacc. in Roum. F. G. n. 1213 ex errore typ. sub nom. *L. pulchelli* prostat.

PIGOTTIA Berk. et Br. — Syll. III, p. 636.

1. **Pigottia atro-nitens** Oud. — Syll. III, p. 637 — forma **Gleditschiæ** 6595
Pass. in Brun. Champ. Saint. V, p. 7. — Sporulis exiguis, oblongis, ex hyalino flavidis; basidiis filiformibus, hyalinis.

Hab. in ramis emortuis *Gleditschiæ Triacanthi*, Saintes Galliæ.

2. **Pigottia substellata** Cooke Grev. XX, p. 6. — Hypophylla; peritheciis in cæspitulos parvos, 1-2 mm. diam., suborbiculares, stellatos, nigros confluentibus, applanatis, interdum distinctis, maculis majusculis, fulvis insidentibus; sporulis cylindræis, rectis, utrinque obtusis, 8 \approx 1, hyalinis, basidiis longioribus, simplicibus fultis.

Hab. in foliis *Eucalypti*, Victoria Australiæ (MARTIN).

3. **Pigottia Gneti** Oud. Microm. I, p. 6. — Peritheciis amphigenis, 6597
superficialibus, nigris, orbiculari-ellipticis, 0,5 mm. diam. non ex-
cedentibus, depressis, dimidiatis, astomis, tenui-parenchymaticis;
sporulis oblongis v. subcylindræis, hyalinis, granulosis, continuis,
11-19 \approx 2,5-3,5; basidiis cylindricis, acutatis, sporulam subæquan-
tibus, ex pariete interiore peritheciï oriundis.

Hab. in foliis *Gneti Gnomonis* culti in horto bot. Amster-
dam Nederlandiæ (PLEMPER VAN BALEN).

ERIOTHYRIUM Speg. F. Fueg. n. 426 (Etym. *erion* lana et *thyreos*
scutum). — Perithecia minuta, scutato-dimidiata, matrice adnata,
ostiolata, subiculo effuso, tenuissimo, fumagineo cincta. Sporulæ
hyalinæ, ovato-oblongæ, continuæ.

1. **Eriothyrium dubiosum** Speg. F. Fueg. n. 426. — Peritheciis spar- 6598
sis, atris, minutissimis, scutato-dimidiatis, 80 μ . diam., tenuissime
membranaceis, contextu pellucido, subprosenchymatico, ostiolo lato,
20 μ . diam., impresso pertusis, subiculo late effuso, nigro-olivaceo,
submembranaceo, ex hyphis crebre toruloso-articulatis, articulis
subcuboideis, 3-10 \approx 3-4, grosse 1-guttulatis, efformato cinctis; spo-
rulis ellipticis v. ovoideis, utrinque obtusiusculis, 3-4 \approx 1, rectis v.
curvulis, hyalinis.

Hab. ad folia viva v. languida *Pernettiæ mucronatæ* in
Staten island Brasilæ.

TRICHOPELTULUM Speg. F. Puigg. n. 342 (Etym. *thrix* pilus et *pelle*
scutum). — Mycelium e fibris pro ratione majusculis, membrana-
ceo-applanatis, vittiformibus, non costatis, dendritico-ramulosis, pro-
senchymatico-contextis efformatum. Perithecia superficialia v. fibris
tecta, dimidiato-scutata, parvula, ostiolata. Sporulæ continuæ, hya-
linæ. — Status sporulifer *Trichopeltidis*.

1. **Trichopeltulum pulchellum** Speg. F. Puigg. n. 432. — Vittis my- 6599
celii membranaceo-pellucidis, prosenchymaticis, olivaceis, laxè ra-
moso-intricatis, longiusculis atque latiusculis; peritheciis pusillis,
ostiolo rotundo perforatis; sporulis hyalinis, minutissimis, utrinque
subtruncatis, continuis, 4-6 \approx 1.

Hab. ad folia viva *Myrtacearum* in dumetis prope *Apiahy*
Brasilæ.

MELASMIA Lév. — Syll. III, p. 637.

1. **Melasmia Empetri** Magn. in Bericht. Deut. bot. Gesell. 1885, p. 104. 6600
— Pustulis atris, subcutaneis, bullato-prominulis e peritheciis paucis, confluentibus formatis, supra inæqualiter rimosis; sporulis oblongo-cylindræis, utrinque rotundatis, medio leniter coarctatis, 12-17 \approx 3,5-4,8, intus granulosis, hyalinis; basidiis bacillaribus, simplicibus, sporulâ subquadruplo longioribus, fasciculatis.

Hab. in ramulis vivis junioribus *Empetri nigri* in insula Wollin Borussiæ.

2. **Melasmia pulchella** Speg. Fl. Guar. noun. n. 145. — Maculis nullis; 6601
stromatibus minutis epiphyllis, sparsis, 1-locularibus convexo-prominulis, 0,5 mm. diam., atro-nitidulis, intus albo-farctis; sporulis ellipsoideo-subovoideis, obtusulis granuloso-farctis, hyalinis, 9-11 \approx 4-5.

Hab. in foliis vivis *Eugeniæ speciei* in vallecula Yacan-guazû inter Paraguari et Valenzuela Brasilæ.

3. **Melasmia Eucalypti** Cooke et Mass. Grev. XVI, p. 25. — Maculis 6602
orbicularibus v. confluentibus, 2 mm. diam., atris; peritheciis paucis, subgregariis, ellipticis lanceolatisve, rima dehiscentibus, dein hysteriiformibus; sporulis lanceolatis, utrinque acutis, continuis, hyalinis, 25 \approx 6; basidiis subelongatis, simplicibus, hyalinis.

Hab. in foliis emortuis *Eucalypti*, Brisbane Australiæ (BAILEY).

4. **Melasmia hypophylla** (B. et Rav.) Sacc. *Leptostroma* B. et Rav. 6603
F. Carol. III, n. 45, *Melasmia Gleditschiæ* Ell. et Ev. Journ. Mycol. 1888, pag. 45. — Peritheciis hypophyllis, applanatis, rugulosis, 0,5-1 mm. diam., dense sparsis, maculam fusco-brunneam occupantibus; sporulis oblongis, hyalinis, 3-5 \approx 1-1,5, continuis; basidiis dense fasciculatis, 10-12 μ . long.

Hab. in foliis vivis *Gleditschiæ Triacanthi*, Concordia Mo., Louisiana, Manhattan Ka. Amer. bor. (DEMÉTRIO, LANGLOIS, KELLERMAN, SWINGLE) Carolina (RAVENEL).

5. **Melasmia Escalloniæ** Speg. F. Fueg. n. 429. — Maculis nullis; 6604
peritheciis sparsis, epiphyllis, innatis, atris, subnitentibus, orbicularibus, minutissimis, 180-250 μ . diam., in vivo prominulis, in sicco collabascenti-rugulosis, coriacellis, contextu indistincto; sporulis globulosis, 4-5 μ . diam., granuloso-farctis, hyalinis.

Hab. ad folia dejecta putrescentia *Escalloniæ serratæ* in silvis pr. Shammacus Fuegiæ.

6. **Melasmia antarctica** Speg. F. Fueg. n. 428. — Maculis nullis; peritheciis epiphyllis, innatis, atris, nitentibus, orbicularibus, 0,8-1,2 mm. diam., in vivo subhemisphærico-prominulis, in sicco cupulato-collabescentibus, sparsis v. rarius 1-2-aggregatis, coriaceis, contextu indistincto aterrimo; sporulis cylindræis v. ellipticis, utrinque rotundatis v. truncatis, 3-4 \approx 1, ac minute 1-guttulatis, hyalinis v. subchlorinis. 6605

Hab. ad folia viva Fagi antarcticæ var. sublobatæ in montanis prope Port Cook in Staten island Fuegiæ. — An potius *Placosphæria*?

LEPTOSTROMA Fr. — Syll. III, p. 639.

1. **Leptostroma Sequoiæ** Cooke et Hark. in Grevillea XIII, p. 113. 6606
— Gregarium, superficiale, innatum, hysteriiforme, atro-fuscum, nitidum, siccitate centro collapsum; sporulis sublanceolatis, curvatis, continuis, hyalinis, 16 \approx 3.

Hab. in ramulis Sequojæ in California (HARKNESS).

2. **Leptostroma Punicæ** Pass. in Journ. d'Hist. Bord. p. 136, Brunaud Liste Sphærops. pag. 85. — Peritheciis lineari-oblongis, nigris, gregariis, primo tectis, dein epidermide secessa liberis; sporulis fusoides, 5-7 \approx 1,5, hyalinis; basidiis filiformibus, plus minus longis. 6607

Hab. in ramulis emortuis Punicæ Granati, Saintes Galliæ.

3. **Leptostroma Ludovicianum** P. Har. Journ. de Bot. 1891, p. 172. 6608
— Peritheciis innatis, atris, oblongis, lanceolatis linearibusve, interdum hysteriiformibus, rectis, fibris ligni circumdatis, 0,5-1 mm. long., 0,2-0,5 mm. lat.; sporulis ovato-oblongis, obtusis v. subfusoides, obscure guttatis, hyalinis, 8-10 \approx 2,5-3,5; basidiis filiformibus, 25-40 \approx 1-1,5.

Hab. ad ramos et truncos gelu necatos Fici Caricæ, Méry-sur-Seine, Aube Galliæ.

4. **Leptostroma herbarum** (Fr.) Link. — Syll. III, pag. 645. — Var. **spiræinum** Sacc. et Br. Fl. crypt. Aub. p. 416. — Sporulis oblongis, obtusissimis, 2-guttatis, 7-8 \approx 3,5-4 (hinc quam in typo paullo crassioribus). 6609

Hab. in caulibus siccis Spirææ Ulmaricæ, Villechétif, Aube Galliæ.

5. **Leptostroma Virgaureæ** Br. et Har. in Rev. Myc. 1890 Oct. — 6610
Peritheciis subepidermicis, dein superficialibus, primo punctiformibus, nigris, nitentibus, dein depressis, sulcatis, sæpe confluenti-

bus et series irregulares efformantibus, $\frac{1}{4}$ - $\frac{1}{3}$ mm. diam.; sporulis incurvis, falcatis, utrinque acutis, simplicibus, hyalinis, 8-10 = 2-2,5.

Hab. in caule arido *Solidaginis* (*Virgaureæ*) prope Clermont-Ferrand Galliæ (R. HÉRIBAUT).

6. **Leptostroma Luzulæ** Lib. Crypt. I, n. 75 (1830) Sacc. F. Ard. n. 198, Syll. III, p. 644. — Perithecia facile secedentia, contextu minutissime celluloso; sporulæ fusoideæ, minutissimæ, 5 = 1, rectæ. In foliis *Luzulæ* maximæ in Arduennis.

7. **Leptostroma bambusinum** Delacr. Bull. Soc. Myc. 1890, p. IX. — 6611 Peritheciis hysteroideis, 1-1,5 mm. long., 0,5-1 mm. lat., initio epidermide fissa velatis, extus atris, intus stromatice albidis, postremo rima longitudinali dehiscentibus; sporulis bacillaribus, continuis, hyalinis, 13 = 1, curvulis v. rectis.

Hab. in culmis *Bambusæ*, Tonkin Sinarum.

8. **Leptostroma maculans** Lib. Crypt. IV, n. 375 (1837), Sacc. F. 6612 Ardenn. n. 197. — Maculis minutis, oblongis, confluendo elongatis, e fibrillis radiantibus ortis, nigris; peritheciis minutis nitidis, atris, subrotundo-elongatis, poro subrimoso dehiscentibus; sporulis . . . non visis.

Hab. in culmis *Secalis* in Arduennis. — Species, ignota fructificatione, omnino dubia.

LABRELLA Fr. — Syll. III, p. 647.

1. **Labrella arctica** Fuckel in Heuglin Reis. Nordpolarmeer vol. III 6613 et Oud. Contr. Myc. Now. Seml. p. 5. — Peritheciis discoideis, punctiformibus, minutis, nigris, orbicularibus seu oblongis, planis; sporulis cylindræis, continuis, rectis, utrinque obtusis, hyalinis, 12-14 = 4.

Hab. in foliis siccis *Potentillæ Fragariæ* in insula Nowaja Semlja.

2. **Labrella Heraclei** (Lib.) Sacc. Syll. III, p. 648, *Cheilaria Heraclei* Lib. Crypt. III, n. 254 (1834). — Sporulæ fusoideæ, curvulæ, 28-32 = 5-6 binucleatæ spurieque 1-septatæ, hyalinæ. Ad caules *Heraclei Sphondylii* siccis in Arduennis.

3. **Labrella? Agrostidis** (Lib.) Sacc. F. Ard. n. 195, *Cheilaria Agrostidis* Lib. Crypt. I, n. 63 (1830). — Maculis fusco-albescentibus aut nullis; peritheciis immersis, utrinque prominulis, ovatis elongatisve, atris, rima longitudinali dehiscentibus; cirris albis; sporulis fusoideis, biguttatis (Lib.).

Hab. in foliis *Agrostidis vulgaris* in Arduennis. — Sporulas ipse non vidi.

SACIDIUM Nees. — Syll. III, p. 649.

1. **Sacidium Camelliæ** Cooke et Mass. Grev. XVI, p. 3. — Peritheciis sparsis, superficialibus, dimidiatis, atris, opacis, magnitudine variis, plerumque minutis; sporulis subglobosis, continuis, pallide fuscis, $10 \approx 8$. 6615

Hab. in foliis languidis *Camelliæ*, Melbourne Australiæ (F. CAMPBELL).

2. **Sacidium Eucalypti** Cooke et Mass. Grev. XVI, p. 75. — Amphigenum; peritheciis gregariis, erumpentibus, minimis, applanatis, atris, mox superne deficientibus; sporulis globosis, continuis, hyalinis, $5-6 \mu$. diam. 6616

Hab. in foliis emortuis *Eucalypti Globuli*, Melbourne Australiæ (READER).

3. **Sacidium Ulmi-gallæ** Kell. et Sw. Journ. Mycol. 1889, p. 72. — Maculis nullis; pseudoperitheciis in gallarum superficie areas indefinite atratas occupantibus, subgregariis, parvis, nigris v. nigricantibus, ovatis, ellipticis vel irregulariter linearibus, $0,5-2 \approx 0,2-0,5$ mm., inæqualiter inflatulis, dein applanatis et corrugatis, primo rimosis dein late dehiscentibus, contextu spurie celluloso; sporulis ovato-clavatis vel subteretibus, utrinque obtusis, $7,5-11 \approx 3-5$, minute guttulatis; basidiis tereti-clavatis, continuis v. obsolete septatis, stipatis, $15-25 \approx 2-4$. 6617

Hab. in gallis ad pag. sup. foliorum *Ulmi americanae*, Manhattan Kans. Amer. bor.

4. **Sacidium lignorum** Peck 42 Rep. p. 30. — Peritheciis sparsis v. aggregatis, numerosis, tenui-membranaceis, clypeatis, astomis, $4-5$ -angulis, nigris, facile secedentibus; sporulis minutis, oblongis, hyalinis v. dilute coloratis, $4 \approx 2$. 6618

Hab. in fundo dolii in cella vinaria, Flatbush Long Island Am. bor. (J. L. ZABRISKIE).

5. **Sacidium depazeoides** Cooke Grev. XIX, p. 7. — Peritheciis in maculis suborbicularibus vel confluentibus, ochraceis insidentibus, membranaceis, demum sursum dissilientibus; sporulis globosis, subglobosisve, hyalinis, 12μ . diam. 6619

Hab. in foliis *Aspidopterygis caudatæ* in India.

6. **Sacidium Epimedii** Cooke Grev. XV, p. 116. — Peritheciis spar- 6620

sis, hypophyllis, innatis, convexis, dein supra pertusis, tenuissimis; sporulis subglobosis, continuis, hyalinis, circ. 4 μ . diam.

Hab. in foliis languidis Epimedii alpini, Kew Britanniae.

7. **Sacidium? brasiliense** Speg. F. Puigg. n. 433. — Maculis nul- 6621
lis; peritheciis hemisphaericis, minutis, 250-300 μ . diam., atris, superficialibus, anhistis, pellucidis, astomis; sporulis e globoso ellipticis, continuis, e chlorino hyalinis, 8 \approx 6-7.

Hab. ad folia Polygoni sp. cujusdam in uliginosis pr. Apiahy
Brasiliae. — *Sacidii* species hæc et aliæ perplurimæ (*S. Spegaz-
zinianum* Sacc., *S. venetum* Speg., *S. Ulmariae* Sacc. et Roum.,
S. chartarum Sacc. et Penz.), teste Speg. loc. cit., sunt sine ullo
dubio delendæ, nam sporangia *Pilobilorum* expulsa tantum sistunt.
«Probabile in nonnullis quidem videtur sed ulterius inquirendum».

8. **Sacidium Polygonati** Ell. et Mart. in Amer. Nat. 1884, p. 1264. 6622
— Peritheciis applanatis, globulosis v. ellipsoideis, 200-230 μ . diam.,
astomis, contextu subradiatim parenchymatico, compacto; sporulis
subglobosis v. e pressione subangulosis, 5-7 μ . diam.

Hab. ad caules emortuos Polygonati gigantei, New Jer-
sey Amer. bor.

9. **Sacidium Desmazierii** Mont. in Desm. Pl. crypt. III, n. 351 (non
vidi).

TRICHOPHILA Oudemans Hedw. 1889, n. 6 (Etym. *thrix* pilus et
philos amicus). — Stroma applanatum, effusum, piceum, intus p.
m. distincte plurilocellatum, pallidius, basi propria destitutum. Spo-
rulae oblongae, continuæ, hyalinæ, basidiis brevissimis. — *Placo-
sphaerica* analogon.

1. **Trichophila Myrmecophagæ** Oudem. loc. cit. — Stromatibus $\frac{1}{3}$ - $\frac{1}{2}$ 6623
mm. long., nunc rotundis, tunc ovalibus, oblongis v. lineari-oblon-
gis, sparsis v. in series dispositis, versus medium altioribus, ver-
sus ambitum declivibus; loculis seriatis, monostichis, 60 \approx 45, tan-
dem poro minimo centrali dehiscentibus; sporulis in basidiis bre-
vissimis acrogenis, oblongis, 14-16 \approx 4, pro varia ætate aut proto-
plasmate granuloso aut simul guttulis 1-3 repletis.

Hab. in pilis Myrmecophagæ jubatæ, Amsterdam Neder-
landiæ (MAX WEBER).

Sect. 2. Phæosporæ.

ASTEROSTOMELLA Speg. Guar. I, p. 151 (Etym. *aster* et *stoma*). —

Perithecia dimidiato-scutata, subiculo fumagineo insidentia, radiato-dehiscentia. Sporulæ continuæ, ovoideæ, fuligineæ. — Verisimiliter sistit spermogonium *Seynesiæ*, *Asterinæ* et *Micropeltidis*.

1. **Asterostomella paraguayensis** Speg. Guar. I, p. 151. — Maculis 6624
nullis, subiculo amphigeno, laxe radiante, plagulas orbiculares, 2-3
mm. diam., brunneas, sæpe confluentes formantibus; hyphis repen-
tibus, dense septatis, laxe ramoso-intricatis, 2,5-3,5 μ . cr.; peri-
theciis orbicularibus, 50-90 μ . diam., atris, glabris, contextu pa-
renchymatico-radiante, pellucido, olivaceo-fuligineo, margine plus
minus fimbriatulo; sporulis ovoideis, sæpe 1-guttatis, 14-20 \approx 8-14,
fuligineis; basidiis brevibus, hyalinis, mox diffluentibus.
Hab. ad folia viva Cestri, Rutacearum etc. in tota regione
paraguayensi.
2. **Asterostomella subreticulata** Speg. Fl. Guar. nonn. n. 143. — Facie 6625
omnino simillima *Asterinæ subreticulatæ* (Syll. IX, p. 390) cujus
est spermogonium; sporulis piriformi-ovoides, continuis vel binu-
cleatis, 20-24 \approx 14-16, fuligineis.
Hab. in foliis vivis Cestri pubescentis in silvis pr. Gua-
rapì et Villarica Brasiliæ. — Var. **microspora**. Cfr. Speg. loc. cit.:
sporulis conspicue minoribus, 16-20 \approx 10-12. In foliis Cestri cu-
jusdam, ibidem.
3. **Asterostomella cristata** Speg. Fl. Guar. nonn. n. 142. — Cha- 6626
racteribus externis simillima *Asterinæ cristatæ* (Syll. IX, p. 391)
cujus est spermogonium; sporulis ovoideis, continuis, rarius, bi-
nucleatis, 20-24 \approx 12-14, fuligineis.
Hab. in foliis vivis vel languidis Rutaceæ cujusdam in silva
subvirginea Caa-guazù Brasiliæ.
4. **Asterostomella cingulata** Speg. Fl. Guar. nonn. n. 144. — Sper- 6627
mogonium *Micropeltidis Balansæ* Speg. loc. cit. n. 127, quacum
characteribus externis perfecte congruit; peritheciis tamen paullo
minoribus, 80-90 μ . diam.; sporulis ovoideis, 12 \approx 6, fere opace
fuligineis, ad tertium superum cingulo transverso, fere hyalino
ornatis.
Hab. in foliis vivis Euphorbiaceæ (Sebastianæ?) cu-
jusdam in dumetis silvæ Caa-guazù Brasiliæ.
5. **Asterostomella peraffinis** Speg. F. Puigg. n. 434. — Subiculo et pe- 6628
ritheciis ut in statu ascophoro (*Asterina peraffinis* Sp., Syll. IX,
p. 392); sporulis obovatis, continuis, fuligineis, 12-15 \approx 8-10, dense
constipatis.

Hab. ad folia viva *Asclepiadeæ* cujusdam in silvis prope *Apiahy* *Brasilæ*. — Species statum spermogonicum *Asterinæ peraffinis* sistens.

LASMENIA Speg. Guar. I, p. 152 (Etym. metathesis *Melasmicæ*). — Perithecia *Melasmicæ* dimidiata, plana subastoma v. rimosa, membranacea, atra, stromate effuso nigricante sæpius phyllogeno innata. Sporulæ continuæ fuliginææ v. aliter coloratæ.

1. **Lasmenia Balansæ** Speg. Guar. I, p. 152. — Stromatibus hypophyllis, minutis, 0,3-0,6 mm. diam., irregularibus, subepidermicis, densiuscule sparsis, numquam confluentibus, atris, levibus, glabris, loculis uno vel binis in quoque stromate inæqualibus, albo-farctis; sporulis ellipticis, utrinque obtusis, 15-20 \approx 8-9 non v. grosse 1-guttulatis, fuliginæis, mucro subfilamentoso immerso-obvallatis.

Hab. ad folia viva *Eugeniæ* speciei, Cerro Hu pr. Paraguari.

2. **Lasmenia guaranítica** Speg. Guar. I, pag. 152. — Maculis hypophyllis suborbicularibus, 2-3 mm. diam., fulvellis, centro nigropapillatis, stromatibus epiphyllis, atris, pulvinatis, 1-3 mm. diam., coriacellis, e levi undulatis; loculis paucis, laxis, hemisphæricangulosis, 150-200 μ . diam., nucleo-fusco farctis; sporulis discoideis, 5-7 μ . diam., e latere compressis, 2-2,5 μ . cr. subinde concaviusculis, grosse 1-guttatis, fuliginæis, basi acutatis et caudicula (basidii apice) hyalina auctis; basidiis conoideo-elongatis, 7-8 \approx 1, hyalinis.

Hab. ad folia viva *Achatocarp*i speciei in silvis pr. Paraguari *Brasilæ*.

3. **Lasmenia brasiliensis** Speg. F. Puigg. n. 435. — Stromatibus et loculis ut in statu ascophoro (*Phyllachora brasiliensis* Speg., Syll. II, p. 559 et IX, p. 1011); sporulis discoideis, 1-guttulatis, fuliginæis, 6-8 μ . diam., subtus sæpe apiculatis.

Hab. ad folia viva *Myrtaceæ* v. *Xanthoxyleæ* cujusdam in silvis pr. *Apiahy* *Brasilæ*. — Species statum sporuliferum *Phyllachoræ brasiliensis* sistens.

4. **Lasmenia subcoccodes** Speg. F. Puigg. n. 436. — Stromatibus ut in statu ascophoro (*Roussoella subcoccodes* Speg., Syll. IX, p. 1045); sporulis discoideis, fuliginæis.

Hab. ad folia viva *Leguminosæ* scandentis cujusdam in dumetis pr. *Apiahy* *Brasilæ*. — Species statum sporuliferum *Roussoellæ subcoccodis* sistens.

Sect. 3. Didymosporæ.

LEPTOTHYRELLA Sacc. in Rev. Myc. 1885 (Etym. a *Leptothyrio* cui affinis), *Asterinula* Ell. et Ev. Journ. Myc. 1889, p. 152. — Perithecia *Leptothyrii*, dimidiata, radiato-contexta. Sporulæ fusoidæ vel oblongæ, 1-septatæ, hyalinæ.

1. **Leptothyrella Mougeotiana** Sacc. et Roum. in Rev. Myc. 1885, 6633 t. LV, f. 5. — Peritheciis scutatis, superficialibus, $\frac{1}{4}$ mm. diam., ambitu circularibus, fimbriatulis, centro dein irregulariter pertusis, atris; sporulis fusoidæis, sæpe inæquilateralibus, 1-septatis, non constrictis, 22-28 \approx 4, hyalinis; basidiis fasciculatis, furcatis, hyalinis, 20-25 \approx 3.

Hab. in foliis subvivi Pini in Pyrenæis et in Vogesis. — Ut videtur, commixtæ sporulæ allantoideæ, 5-6 \approx 1, hyalinæ.

2. **Leptothyrella Langloisii** (Ell. et Ev.) Sacc., *Asterinula Langloisii* 6634 Ell. et Ev. Journ. Myc. 1889, pag. 152. — Peritheciis sparsis vel gregariis, dimidiatis, radiato-cellulosis, pertusis, 100-112 μ . diam., plerumque mycelio brunneo breve fimbriatis; sporulis oblongis v. obovato-oblongis, 2-nucleatis, dein 1-septatis, hyalinis, 18-22 \approx 7-8, utrinque rotundato-obtusis.

Hab. in foliis vivi Magnoliæ grandifloræ, Louisiana Amer. bor. (LANGLOIS). — Maculæ foliorum obsoletæ. *Asterinæ*, ut videtur, spermogonium.

DIPLOPELTIS Pass. Diagn. F. N. IV, p. 13 (Etym. *diploos* duplex [sporula] et *pelle* scutum [perithecium]). — Perithecia dimidiato-scutata, parenchymatico-radiosa, centro umbonata, pertusa, sporulæ didymæ fuscæ, — Est quasi *Leptothyrella* phæodidyma.

1. **Diplopeltis Spartii** Passer. Diagn. F. N. IV, p. 14. — Peritheciis 6635 crebre sparsis vel subgregariis, minutis, scutiformibus, atris, opacis, umbone nitidulo, margine erosulis; sporulis subellipticis, medio septatis, non vel leniter constrictis, fuscis, 8-10 \approx 5.

Hab. in ramulis decorticatis et dejectis Spartii juncei, Vighetto prope Parmam Ital. bor. — Status pycnidicus *Seynesiæ Caronæ*.

Sect. 4. Phragmosporæ.

DISCOSIA Lib. — Syll. III, p. 653.

1. **Discosia ignobilis** Fautr. Rev. Myc. 1890, pag. 47. — Peritheciis 6636

hypophyllis sparsis vel latiuscule gregariis, disciformibus, nitentibus, nigris, punctiformibus; sporulis cylindræis, rectis, 3-septatis, ad septa non constrictis, hyalinis, 19-26 \approx 2,5-3,5 μ ., infra apices setula sporulam dimidiam æquante ornatis.

Hab. in foliis putrescentibus Platani orientalis, Noidan Galliæ (F. FAUTREY).

2. **Discosia Theæ** Cav. Mat. Lomb. p. 20, t. II, f. 2. — Peritheciis 6637 sparsis, superficialibus, applanatis, nigro-opacis, rugulosis, ostiolo prominulo pertusis; sporulis cylindræis, leviter curvulis, utrinque obtusis et oblique 1-ciliatis, 3-septatis, loculis mediis dilute chlorinis, extimis hyalinis, 18-20 \approx 2-3, setis 6-8 μ . longis.

Hab. in foliis languidis Theæ viridis in horto botanico Pavie Ital. bor. — «An satis diversa a *D. Artocreate?*».

3. **Discosia virginiana** Thüm. M. U. N. 1985. — Peritheciis nume- 6638 rosis, dense gregariis, interdum confluentibus, angulatis vel oblongis, applanatis, subdisciformibus, opace nigris, inordinate dispositis; sporulis fusoides, utrinque rotundatis, arcuatis, 3-septatis, utrinque setulâ tenuissimâ 10 μ . long. ornatis, pallidissime chlorinis vel achrois, 15-28 \approx 2-3.

Hab. in ramulis et foliis emortuis Juniperi virginianæ, Newfield N. J. Amer. bor. (ELLIS).

CYSTOTHYRIUM Speg. F. Fueg. n. 430 (Etym. *cystis* vesica et *thyreos* scutum), — Perithecia *Melasmicæ* vel *Labrellæ*. Sporulæ tri-septatæ hyalinæ. — Ab affini *Discosia* differt perithecorum forma et sporulis muticis.

1. **Cystothyrium magellanicum** Speg. F. Fueg. n. 430. — Maculis nul- 6639 lis; peritheciis sparsis, epiphyllis, innatis, atris, subnitentibus, orbicularibus, minutissimis, 150-180 μ . diam., in vivo prominulis, in sicco subcollabascenti-rugulosis, membranaceis; contextu parenchymatico, fusco; sporulis ellipticis, utrinque obtusiusculis, 20 \approx 5, rectis vel inæquilateralibus, 3-septatis, non constrictis, hyalinis, loculis sæpe per ætatem subsecedentibus.

Hab. ad folia languida Ribis magellanici in silvis prope Hope harbour in Clarence island Fuegiæ.

2. **Cystothyrium sphærelloides** Speg. F. Fueg. n. 431. — Maculis nul- 6640 lis v. toto folio expallente; peritheciis hypophyllis, sparsis v. hinc inde 2-4-aggregatis, innatis, orbicularibus, 300-400 μ . diam., atris, in vivo convexulis, in sicco ruguloso-collabascentibus, rimose dehiscentibus, glabris, coriacellis; contextu indistincto, fuligineo; spo-

ruis elliptico-cylindræis, utrinque obtusiusculis, 20-25 = 4, rectis vel curvulis, 3-septatis, non constrictis, hyalinis.

Hab. ad folia emortua adhuc pendula Fagi obliquæ in silvis prope Ushuvaia Fuegiæ.

Sect. 5. Scolecosporeæ.

ACTINOTHYRIUM Kunze. — Syll. III, p. 658.

1. **Actinothyrium Holoschœni** Passer. Diagn. F. N. IV, p. 14. — Peritheciis sparsis v. laxe gregariis, orbiculato-scutiformibus, applanatis, atris; contextu fibroso, medio compacto, margine breviter radiante, fibris apice vix solutis; sporulis ut in *Actinothyrio graminis*. 6641

Hab. in culmis siccis Scirpi *Holoschœni*, S. Andrea del Taro in agro parmensi Ital. bor.

2. **Actinothyrium paraguayense** Speg. F. Guar. II, n. 177. — Maculis amphigenis, parvulis, 1-3 mm. diam., elliptico-orbicularibus, albis vel pallescenti-albis, determinatis, sæpius areola majuscula, fuscescente cinctis; peritheciis in maculis amphigenis sparsis v. dense aggregatis, innato-superficialibus, hemisphæricis, dimidiato-scutatis, 80-90 μ . diam., tenui-membranaceis, atris; contextu parenchymatico-radiante, fumoso-fuligineo; ostiolo parum perspicuo, impresso; sporulis cylindræo-fusoideis, utrinque acutissimis, 15-20 = 1,5-2, falcatis, continuis, hyalinis. 6642

Hab. ad folia languida *Pothi pinnatifidæ* in silvis prope Guarapî Brasilæ.

MELOPHIA Sacc. Syll. III, p. 658.

1. **Melophia Victoriæ** Sacc. *Melophia phyllachoroidea* Cooke in Grev. XIX, p. 91 (1891), nec Speg. — Peritheciis sparsis, amphigenis, convexis, basi applanatis et scutatis, nigris, 0,5-1 mm. diam., intus albis, æqualibus, levibus; sporulis filiformibus, curvis vel flexuosis, hyalinis, 25 μ . long. 6643

Hab. in foliis *Leptospermi levigati*, Victoria Australiæ (MARTIN).

2. **Melophia nigrimacula** Speg. Guar. I, p. 153. — Maculis epiphyllis, sparsis, majusculis, 3-6 mm. diam., subcircularibus, subdefinitis, centro nigro, zona fulva fuscescenti-marginata cincto; stromatibus centro maculæ insidenti-innatis, non pulvinatis, vix rugosis, 2-4 mm. diam., coriacellis; contextu indistincto, fusco-olivaceo; oculis 6644

sparsis, minutis, subglobosis, 70-80 μ . diam., albo-farctis; sporulis fusoides vel acicularibus, utrinque acutis, 16-18 \approx 1, hyalinis.

Hab. in foliis coriaceis vivis Myrtaceæ speciei in silva Caa-guazù Brasiliæ.

3. **Melophia nitens** Speg. Guar. I, p. 154. — Maculis nullis; stromatibus epiphyllis subcarbonaceis, atris, nitentibus, sparsis, minutissimis, 0,3-0,5 mm. diam.; loculis 1-2 in quoque stromate subglobosis, 150-200 μ . diam., nucleo albo; sporulis lineari-subfusoides, falcatis, utrinque acutis, 12-15 \approx 1, hyalinis. 6645

Hab. ad folia viva Eugeniæ speciei in silva subvirginea, Caa-guazù Brasiliæ.

4. **Melophia macrospora** Speg. F. Guar. nonn. n. 149. — Stromatibus amphigenis effuso-innatis, atris, ad epiphyllum magis conspicuis, plurilocularibus, loculis minutissimis difformibus reticulato-junctis, albo-farctis; sporulis filiformibus, tenuibus, apice altero acuto, altero, obtusulo, 30-40 \approx 1-1,5, falcatis vel hamatis, subcontinuis, hyalinis, subinde apice bi-trifurcatis. 6646

Hab. in foliis vivis vel languidis Eugeniæ speciei pr. Paraguari et Yacan-guazù Brasiliæ.

5. **Melophia superba** Speg. F. Guar. nonn. n. 150. — Stromatibus amphigenis, orbiculari-difformibus, superne nigris, decorticatis, concentricè rugulosis, 1-5 mm. diam., loculis numerosissimis confluentibus, albo-farctis; sporulis filiformi-falcatis, continuis, 20-30 \approx 1, hyalinis. 6647

Hab. in foliis vivis Myrti Guaviyú in dumetis Caa-guazù Brasiliæ.

6. **Melophia Ruprechtiae** Speg. Guar. I, p. 154. — Maculis amphigenis, indeterminatis, suborbicularibus, 2-3 mm. diam., areola pallescenti sæpe cinctis; stromatibus centro maculæ insidentibus, irregulariter suborbicularibus, 1-2 mm. diam., vix vel non prominulis, fusco-ferrugineis, intus albis; loculis hemisphæricis, angulosis, dense constipatis, minutis, 80-90 μ . diam., nucleo melleo; sporulis filiformi-clavulatis, utrinque acutiusculis, subfalcatis vel undulatis, 20 \approx 1, hyalinis. 6648

Hab. ad folia viva Ruprechtiae polystachyæ in Pastoréo de Caa-guazù Brasiliæ.

7. **Melophia Anonæ** Speg. Guar. I, p. 153. — Maculis nullis vel epiphyllis, minutis, 0,5-1 mm. diam. obscure ferrugineis; stromatibus epiphyllis innatis, vix prominulis, 0,5-0,7 mm. diam., atris, levibus, inæqualiter ellipticis, in centro maculæ sitis; loculis paucis v. sin- 6649

gulis nucleo albo farctis; sporulis acicularibus e fusoideo-linearibus, rectis vel subflexuosis, acutiusculis 15-20 \approx 0,7-0,8, hyalinis.

Hab. ad folia languida Anonaceæ speciei in silvis prope Paraguari Brasiliæ.

8. **Melophia Sapindacearum** F. Puigg. n. 438. — Maculis nullis vel 6650
indeterminatis, pallescentibus; stromatibus epiphyllis, minutis, innatis, applanatis, atris, opacis 2-3 mm. diam.; loculis dense constipatis, pusillis, 120-180 μ . diam.; sporulis filiformibus, continuis, hyalinis, 20-40 \approx 1-1,5.

Hab. ad folia viva Sapindaceæ cujusdam in nemorosis prope Apiahy Brasiliæ.

9. **Melophia phyllachoroides** Speg. Guar. I, p. 153 (1886). — Maculis 6651
nullis; stromatibus amphigenis, minutis, 0,3-0,6 mm. diam., sparsis, atris, levibus, glabris, coriaceo-subcarbonaceis, duriusculis; loculis paucis, irregularibus; ostiolo majusculo, nucleo albo; sporulis acicularibus vel lineari-fusoideis vel subclavato-fusoideis, leniter curvis, non vel medio 1-septatis, 25-32 \approx 2-3, utrinque aculeatis, apice magis acuminatis, nubiosis, hyalinis.

Hab. in foliis vivis Oplismeni prope S. Tomas et Apiahy Brasiliæ.

LEPTOSTROMELLA Sacc. — Syll. III, p. 659.

1. **Leptostromella Eucalypti** Cooke et Mass. Grev. XIX, pag. 91. — 6652
Maculis suborbicularibus, amphigenis, rubro-brunneis, dein fuliginis; peritheciis in maculis sparsis, minutis, subglobosis, dein elongatis, nigris, rima elongata dehiscentibus; sporulis filiformibus, rectis vel flexuosis, 20 μ . long.

Hab. in foliis languidis Eucalypti, Victoria Australiæ (MARTIN). — An stylosporæ *Aulographi*?

2. **Leptostromella elastica** Ell. et Ev. Proc. Acad. Phil. 1891, p. 79. 6653
— Maculis latis, sordide albis, ambitu obscurioribus et subpurpureo-marginatis; peritheciis epiphyllis, hysteroideis, 0,5-0,7 mm. long., rima longitudinali dehiscentibus; sporulis oblongis, hyalinis, 2-3-nucleatis, 12-15 \approx 4-5; basidiis 12-15 \approx 3-4, obtusis, subolivaceis.

Hab. in foliis Fici elasticæ cultæ, Knoxville Tenn. Americæ borealis.

3. **Leptostromella orbicularis** Berl. Exc. Frioul, p. 25. — Peritheciis 6654
sparsis, orbicularibus, nigris, superne applanato-convexulis striatis, 0,3 mm. diam., astomis; sporulis cylindræis, curvulis, 24-26

≈ 3, utrinque rotundatis, nubiloso-guttulatis, hyalinis; basidiis sporulâ dimidio brevioribus.

Hab. in caulibus emortuis Caryophyllaceæ cujusdam, Osoppo Friuli.

4. **Leptostromella Bromeliæ** (Pat.) Sacc. *Leptostroma* Pat. Bull. Soc. Myc. 1888, p. 123. — Peritheciis hysteroideis, subcutaneis, rima dehiscentibus, 1-1,5 mm. long., disco albido; sporulis copiosis, filiformibus, flexuosis, continuis, longissimis, 70-80 μ . long.; basidiis brevissimis.

Hab. ad caules emortuos Bromeliacearum, Atures Venezuela.

5. **Leptostromella anceps** Passer. Diagn. F. N. IV, n. 127. — Peritheciis crebre sparsis, subseriatis, innato-erumpentibus, oblongis, rimula longitudinali tenui exaratis; sporulis bacillari-clavulatis, rectis vel curvis, pluriseptatis, ad septa tandem constrictis et quandoque secedentibus, hyalinis, 45-50 ≈ 2,5-3.

Hab. in stolonibus et rhizomatibus Agrostidis vulgaris, Vigheffio prope Parmam Ital. bor.

6. **Leptostromella aquilina** C. Mass. Mat. Mic. Ver. pag. 99, t. III, f 17. — Peritheciis dimidiato-scutiformibus, hypodermis, oblongis, applanatis, parietibus membranaceis, atris, sæpe incompletis, contextu obscure celluloso, hysteroideo-rimosis; sporulis filiformibus, subserpentino-flexuosis vel arcuato-incurvis, 50-80 ≈ 2, hyalinis, continuis, minutissime guttulatis.

Hab. in ramis rachidis frondium siccarum Pteridis aquilinæ, Barbara prope Tregnago in agro veronensi Ital. bor. — Differt a *L. pteridina* præcipue sporulis continuis.

BRUNCHORSTIA Erikss. in Bot. Centr. 1891, n. 36, p. 298 (Etym. a cl. doct. J. BRUNCHORST botanico norvegico, fungi detectore). — Perithecia erumpente, verruciformia, superficie irregulariter sulcata, minora simplicia, majora sepimentis ex pariete introrsum prodeuntibus plus minus complete loculata, primo astoma, demum uno vel pluribus poris irregularibus dehiscentia, superficie interna basidiis suberectis, septatis, stipatis vestita. Sporulæ filiformes, septatæ, hyalinæ.

1. **Brunchorstia destruens** Erikss. loc. cit. — Biophila; peritheciis solitariis vel 2-3 raro 4-7 aggregatis, 1-2 mm. lat.; sporulis filiformibus curvatis utrinque attenuatis et obtuse rotundatis, 3-4-septatis, 33-50 ≈ 3,

Hab. in parte inferiore foliorum Pini austriacæ, cui valde noxia, ad Jäderem Norvegiæ.

Fam. 4. Excipulaceæ SACC.

Sect. 1. Hyalosporæ.

EXCIPULA Fr. — Syll. III, p. 665.

1. **Excipula primulicola** Pat. in Rev. Myc. 1886, pag. 84. — Peritheciis superficialibus, sparsis vel confluentibus, 1 mm. diam., nigris, convexis, ostiolo papillato, siccitate collapsis, nucleo albo farctis; sporulis filiformibus, 72-75 \approx 2; basidiis brevibus. 6659

Hab. in caulibus emortuis Primulæ Delavayi, Yunnan Tsangchan Sinarum (AB. DELAVAY).

2. **Excipula Phaseoli** Karst. et Har. Rev. Myc. 1890, n. 47. — Peritheciis innatis, subemergentibus, orbicularibus, clausis, mox hiantibus discumque pallidum revelantibus, margine emergente, fuscescente, exiguis; sporulis cylindræis, utrinque obtusis, curvulis, eguttulatis, hyalinis, 12-19 \approx 2-2,5; basidiis brevissimis. 6660

Hab. in legumine Phaseoli, Noidan, Côte-d'Or Galliæ (F. FAUTREY).

3. **Excipula ramicola** Cooke et Mass. in Grev. XVI, p. 9. — Peritheciis superficialibus, sparsis v. gregariis, disciformibus, convexis, minusculis, $\frac{1}{4}$ mm. diam.; sporulis cylindræis, obtusis, 25-30 \approx 4, hyalinis, pluriguttatis, (an demum multiseptatis?); basidiis simplicibus, brevibus. 66 1

Hab. in ramis Aceris obtusati, Kew London Britanniæ.

DOTHICHIZA Lib. — Syll. III, p. 671.

1. **Dothichiza Viburni** Karst. Sphærops. Fenn. p. 83. — Peritheciis erumpentibus, simplicibus v. cæspitosis, rotundatis, membranaceis, clausis, mox irregulariter dehiscentibus, atris, nucleo discoideo, convexo, molli, pallido, circ. 1 mm. lat.; sporulis ellipsoideo-oblongatis, utrinque vulgo 1-guttatis, continuis, hyalinis, 6-8 \approx 2-3. 6662

Hab. in ramis aridis Viburni Opuli inter Särkjärvi et Heinäsjärvi pr. Mustiala Fennæ.

2. **Dothichiza? Eupatorii** C. Mass. Contr. Mic. Ver. pag. 99, t. III, f. 18. — Peritheciis superficialibus, effusis, nigris, sæpe confluentibus, convexo-applanatis, membranaceis, primum clausis, dein rima longitudinali v. superne irregulariter erumpentibus, subdiscoideis; 6663

basidiis crassis, 12-14 \approx 2-3, cylindraceis, simplicibus, lateraliter arcte contiguis, septatis, superne ad septa subarticulato-constrictis, apice obtusis; sporulis chlorinis, 4-5 \approx 1, oblongis, utrinque rotundato-obtusis.

Hab. in caulibus emortuis Eupatorii cannabini, S. Pancrazio pr. Veronam Ital. bor.

3. **Dothichiza juncina** Speg. F. Fueg. n. 432. — Maculis nullis; peritheciis erumpenti-tuberculosis, subdifformibus, 500-650 μ . diam., in vivo prominulis, in sicco ruguloso-contractulis, atris, glabris, coriacellis; contextu indistincto, opaco, atro; sporulis densissime conglobatis, elliptico-cylindraceis, 3-5 \approx 1, utrinque attenuato-rotundatis, curvulis, continuis, hyalinis.

Hab. ad culmos languidos Junci cujusdam, Punta anegada in Freto magellanico Fuegiæ.

LEMALIS Fr. — Syll. III, p. 672.

1. **Lemalis quercina** Schwein. Syn. Amer. bor. p. 184, n. 1090. — Ova- 6665
ta, 2-5 mm. diam., sparsa, sublibera, fusco-atra, subgelatinosa; disco interdum subplicato, involuto, nigro, pulverulento-nigro.

Hab. in ramis querneis decorticatis, Bethlehem Amer. bor.

DISCULA Sacc. Syll. III, pag. 674.

1. **Discula quercicola** Oud. Contr. Fl. Myc. Pays-Bas. XI, p. 34. 6666
— Peritheciis sparsis, incompletis, sub epidermide nidulantibus, hac rupta vero prominentibus; sporulis perithecia replentibus, in massa visis disculum nigrum simulantibus, elongato-ellipticis, continuis, hyalinis, 9-12 \approx 3 $\frac{1}{2}$.

Hab. in ramis *Quercus rubræ*, Naaldwijk Nederlandiæ. —

D. quercinæ proxima sed sporulis minoribus distincta.

2. **Discula Cratægi** Oud. Contr. myc. Pays-bas, XII, p. 30. — Perithe- 6667
ciis per peridermii rimam $\frac{1}{2}$ mm. long., $\frac{1}{4}$ mm. lat. dehiscentibus, contextu tenuissimo; sporulis copiosissimis, continuis, hyalinis, rectis v. vix curvis, anguste oblongis, 9-12 \approx 3-4.

Hab. in internodiis junioribus ramulorum *Cratægi monogy-næ* in silva de la Haye Nederlandiæ (DESTREB).

3. **Discula Fagi** Oud. Contr. Mycol. XIII, p. 53. — Peritheciis inter 6668
periderma et parenchyma corticale nidulantibus, imperfectis; sporulis ovoideis, oblongo-ovoides v. piriformibus, utrinque obtusiusculis v. acutiusculis, nonnumquam 2-guttatis, 8-14 \approx 3-4 $\frac{1}{3}$.

Hab. in ramulis Fagi silvaticæ in silva de la Haye Nederlandiæ (DESTREE).

4. **Discula acerina** Oud. Contr. Mycol. XIII, p. 53 (ubi diagnosis?). 6669

Hab. in ramulis Aceris campestris, Schéveningue Nederlandiæ (DESTREE).

5. **Discula Rosæ** Oud. Contr. mycol. XIII, p. 54, f. 35. — Peritheciis ellipsoideis, nigrellis, sparsis, infra epidermidem celatis, contextu fere nullo; sporulis fusoides, 10-14 \approx 4-5, hyalinis, continuis; basidiis sporulam æquantibus. 6670

Hab. in ramis Rosæ sp. cujusdam in silva de la Haye Nederlandiæ (DESTREE).

6. **Discula Xanthoxyli** Ell. et Ev. Journ. Myc. 1889, p. 152. — Peritheciis gregariis, maculis dealbatis, 2-3 cm. lat. insidentibus, subdiscoideis, circ. 150 μ . diam., contextu grosse parenchymatico, poro minuto, orbiculari supra pertusis, circa porum compactioribus et subopacis, ceterum tenuioribus et pellucidis; sporulis copiosis, oblongo-cylindratis, hyalinis, continuis, 12-20 \approx 3-3,5; basidiis nullis v. vix conspicuis. 6671

Hab. in caulibus emortuis Xanthoxyli, Martinsville, Louisiana Amer. bor. (Rev. A. B. LANGLOIS).

7. **Discula runcinata** Ell. et Ev. Journ. Myc. 1889, p. 153. — Gregaria v. sparsa; peritheciis epidermide primo tectis, dein convexis et erumpentibus, eorum parte superiore evanescente ideoque apice late pertusis, 150-200 μ . diam.; contextu grosse parenchymatico; sporulis hyalinis, continuis, oblongis, curvis, 18-23 \approx 3,5-4. 6672

Hab. in caulibus emortuis Stephanomeriæ runcinatae, Helena, Mont. Amer. bor. (Rev. F. D. KELSEY).

SPORONEMA Desm. — Syll. III, p. 677.

1. **Sporonema pallidum** Ell. et Ev. Journ. Myc. 1889, p. 153. — Maculis dealbatis; peritheciis gregariis, erumpentibus, cæspitosis, 0,5 mm. diam., supra radiato-multifidis v. demum irregulariter lacerto-fissis; sporulis concatenatis, 8-10 \approx 2, subcylindratis, hyalinis, in basidiis acrogenis. 6673

Hab. in ligno denudato et putri Aceris, Ridgeway, N. Y. Amer. bor. (Doct. C. E. FAIRMAN).

2. **Sporonema quercicolum** C. Mass. Contr. Mic. Ver. p. 101, t. III, f. 20. — Peritheciis hypophyllis, orbiculatis, lenticularibus, colore argillaceo, sparsis, subsuperficialibus, epidermide tectis, diametro vix $\frac{1}{2}$ mm. superantibus, parietibus membranaceis, contextu cellu- 6674

loso, primum clausis, dein e centro ambitum versus in lacinias rimose dehiscentibus; basidiis tenuissimis, filiformibus, continuis 1 μ . cr.; sporulis numerosissimis, acrogenis et catenulatis, oblongis, subchlorinis, continuis, subcurvulis, utrinque oblique acutis, navicularibusve, 5-7 = 2.

Hab. in foliis marcescentibus *Quercus Roboris*, sociâ *Discososiâ artocreate*, Tregnago pr. Veronam Ital. bor.

3. **Sporonema Platani** Bäuml. Myc. Not. III, p. 1. — Peritheciis hypophyllis, primo subcutaneis, demum erumpenti-liberatis, clausis, fuscis, 200-300 μ . diam., contextu crasse parenchymatico, tandem rimose dehiscentibus; disco albo, udo gelatinoso, convexo; sporulis numerosis, oblongo-ovoideis v. fusoides, 7-11 = 3-4, hyalinis; basidiis 6-10 = 2, simplicibus.

Hab. in foliis emortuis *Platani occidentalis*, Anpark pr. Pressburg Hungariæ.

4. **Sporonema Castaneæ** C. Mass. Contr. Mic. Ver. pag. 101, t. III, f. 21. — Peritheciis fusco-castaneis subargillaceisve, hypophyllis, irregulariter disseminatis, subsuperficialibus, lenticularibus $\frac{1}{2}$ v. vix 1 mm. diam. attingentibus, intus nucleo albo farctis, parietibus submembranaceis, obscure cellulosis, primum clausis, demum e centro rimis tribus ambitum versus semel v. bis radiatim dichotomis, in lacinias plures dehiscentibus; basidiis simplicibus?, 1,5 μ . cr.; sporulis subchlorinis, catenulatis, continuis, fusiformibus, curvulis, 12-15 = 2-2,5, utrinque acutis.

Hab. in foliis siccis dejectis *Castaneæ vescae*, sæpe sociâ *Stagonosporâ Castaneæ*, Tregnago pr. Veronam Ital. bor.

5. **Sporonema? dubium** C. Mass. Contr. Mic. Ver. p. 100, t. III, f. 19. — Peritheciis amphigenis, nitidis, orbiculatis, lenticularibus, subsuperficialibus, epidermide velatis, astomis (dein e centro ambitum versus dehiscentibus?), parietibus contextu subindistincte parenchymatico, nigro, dimidio usque ad 1 mm. diam., intus nucleo subalbo farctis; basidiis linearibus, simplicibus, 1 μ . cr.; sporulis acrogenis, catenulatis, numerosissimis hyalinis, vix chlorinis, oblongis, utrinque oblique acutis navicularibusve, 6-8 = 2-2,5.

Hab. in foliis emortuis dejectis *Castaneæ vescae*, Marcenigo pr. Tregnago in agro veronensi Ital. bor.

6. **Sporonema strobilinum** Desm., Sacc. in Bull. Soc. myc. V, p. 121, (1889), Syll. III, p. 678. — Perithecia initio clausa dein anguste inæqualiter rimoso-dehiscentia, basidia simplicia v. verticillato-ramulosa; sporulæ senescentes plasmate bipartito spurie 1-septatæ. Hinc

Stagonospora strobilina (Curr.) Sacc. Syll. III, p. 450 seu *Sphæria strobilina* Curr. Simpl. Sphærops. pag. 329 verisimillime est eadem res.

PLEOCOCCUM Desm. et Mont. — Syll. III, p. 679.

1. **Pleococcum harposporum** Bomm. Rouss. Sacc. Contr. Myc. Belg. 6679 IV, p. 89. — Peritheciis superficialibus, e brunneo subrubescentibus, 270-300 μ . diam., superficie in sicco inæquali per 3-5 valvas late dehiscentibus; sporulis fusoides, curvulis hyalinis, 15-18 \approx 2,5.

Hab. in fragmentis ligneis Fagi silvaticæ, Stoumont Belgii.

2. **Pleococcum Holoschœni** Passer. Diagn. F. N. V, n. 46. — Erumpens, 6680 atrum, hysteriiforme, oblongatum; peritheciis valvatim hiantibus subdimidiatis; nucleo rosello; sporulis elongato-fusififormibus, utrinque acuminatis, integris, hyalinis, 2-3-guttulatis 12,5-15 \approx 2,5, basidiis filiformibus subæquantibus fultis.

Hab. in culmis emortuis Scirpi Holoschœni, Vigheffio pr. Parmam Ital. bor. — An forma basidiospora *Propolis Holoschœni*, cui facie similis?

AMEROSPORIUM Speg. — Syll. III, p. 680.

1. **Amerosporium Geranii** Cooke et Harkn. in Grevillea XIII, p. 112. 6681 — Gregarium, erumpens, demum subliberatum; peritheciis e globoso cupulatis, pilis nigricantibus, tenuibus, dense vestitis; sporulis curvulis, utrinque attenuatis, continuis, hyalinis, 20 \approx 3-5.

Hab. in caule Geranii in California (HARKNESS).

2. **Amerosporium Sedi** Karst. Rev. Myc. 1888. — Peritheciis gregariis, superficialibus, atris, setis simplicibus, rigidis, erectis, continuis, atris, circ. 220 μ . long. obsessis, circ. 0,5 mm. lat.; conidiis fusoides-elongatis, curvulis continuis, eguttulatis, hyalinis, 24-26 \approx 2,5-3.

Hab. in foliis languescentibus Sedi Telephii in regione Aboensi Fennicæ (ONNI KARSTEN).

3. **Amerosporium Menispermii** Passer. Diagn. F. N. IV, p. 14. — Pe- 6683 ritheciis sparsis v. gregariis, superficialibus, atris, siccitate subglobosis v. ovatis, madore cupulato-dilatatis, contextu celluloso, setis rigidis continuis, longitudine varia fuligineis, apice acuminato pelucidis, obsitis; sporulis fusiformibus, curvis, utrinque acutis, muticis, continuis, hyalinis, 15-20 \approx 3-3,5, basidiis filiformibus, fasciculatis, fulvidulis, 25-32 μ . long. fultis.

Hab. in ramulis siccis *Menispermicanadensis*, Parma in horto botanico Ital. bor.

4. **Amerosporium œconomicum** Ell. et Tracy in Journ. Myc. 1888, 6684 p. 102. — Maculis orbicularibus, 2-6 mm. diam., supra albis, rubenti-marginatis, subtus sæpius omnino rubris; peritheciis epiphyl-
lis, erumpentibus, conico-hemisphæricis, supra late pertusis, setu-
lis rectis, radiantibus, griseo-nigris, septatis, 100-150 \approx 4; sporulis oblongo-fusoideis, guttatis, 18-27 \approx 4.

Hab. in foliis Leguminosæ cujusdam (*Cow pea*), Starkville, Missouri Amer. bor. (TRACY).

5. **Amerosporium ilicinum** Ell. et Ev. in Journ. Myc. 1888, p. 50. — 6685
Maculis amphigenis, irregularibus, 2-3 mm. lat., definitis, plerum-
que anguste subelevato-marginatis, extus purpurascenti-limitatis,
tenuissimis, demum deciduis, supra albis, pallide rubiginosis; pe-
ritheciis circ. 100 μ . diam., immersis, basi subtus prominulis, su-
pra pertusis, margine pilis sparsis, 20 μ . long., continuis, subin-
curvis, nigris, demum deciduis præditis; sporulis oblongis, 10-15
 \approx 4-5, plerumque 12-14 \approx 4-4,5, hyalinis, continuis.

Hab. in foliis vivis *Ilicis deciduæ*, Plaquemines, La. Amer. bor. (LANGLOIS). — Socia adest *Phyllosticta concomitans* et *Macrosporii* species quædam.

6. **Amerosporium subclausum** Ell. et Kell. Journ. Myc. 1889, p. 143. 6686
— Amphigenum, sparsum; peritheciis nigris, ovoideo-globosis, 90-
150 μ . diam., grosse parenchymaticis, poro fimbriato, pilis septatis,
patentibus, brunneis, 60-220 \approx 5-8, supra attenuatis prædito, pertu-
sis; sporulis oblongo-cylindræis, obtusis, continuis, hyalinis, 10-
13 \approx 2-3.

Hab. in foliis dejectis *Gymnocladi canadensis* Amer. bor. (KELLERMAN et SWINGLE). — Ab *A. polynematoidi* peritheciis di-
versum.

7. **Amerosporium hysteriiforme** Pass. in litt. *Excipula* De Not. in 6687
Pass. Primo Elenco Fung. Parm. p. 442 (nomen).

Hab. in palis decorticatis salicinis, Parma.

8. **Amerosporium sabalinum** Ell. et Ev. in Journ. Myc. 1888, p. 50. 6688
— Peritheciis erumpenti-superficialibus, cupuliformibus, 100-150
 μ . diam., in pilos paucos, patentés, rectos, nigro-brunneos, conti-
nuos, 15-20 \approx 6-7 fimbriatis; sporulis fusoideo-oblongis, flavido-hya-
linis, continuis, 5-8 \approx 1 $\frac{1}{4}$ -1 $\frac{1}{2}$.

Hab. in foliis emortuis *Sabal Palmetto*, Louisiana Amer. bor. (LANGLOIS).

9. **Amerosporium macrochætum** Ell. et Ev. in Journ. Myc. — Peri- 6689
 theciis sparsis, superficialibus, circ. $\frac{1}{3}$ mm. diam., primo hemisphæ-
 ricis, demum apertis et cupulatis, margine pilis paucis, validis,
 rectis, obtusis, olivaceis, continuis v. parce septatis, subtus sub-
 opacis, supra subhyalinis v. pallidioribus, 250-300 \approx 10-12; sporulis
 fusoides, pallide olivaceis, 2-3-guttatis, 10-12 \approx 1,5, basidiis gracili-
 bus, sporulâ longioribus fultis.

Hab. in foliis et vaginis *Rhynchosporæ macrostachyæ*,
 Pointe à la Hache, La. Amer. bor. (A. B. LANGLOIS).

10. **Amerosporium insulare** Speg. F. Fueg. n. 433. — Peritheciis im- 6690
 mersis, seriatis, minutis, 150-250 μ . diam., primo epidermide te-
 ctis clausis, dein erumpenti-apertis, margine ciliatis, setis cylindra-
 ceis, apice acutis, basi non incrassatis, 1-4-septatis, non constri-
 ctis, 50-100 \approx 6, fuligineis, rectis v. flexuosulis, contextu parenchy-
 matico-olivaceo; sporulis cylindratis, utrinque attenuato-acutatis,
 20-26 \approx 4-5 ac curvulis, continuis, hyalinis.

Hab. in culmis emortuis *Poæ Forsterii* pr. Port Cooke in
 Staten island Fuegiæ.

DINEMASPORIUM Lévy. — Syll. III, p. 683.

1. **Dinemasporium epixylon** Fautrey in Rev. myc. 1889, p. 152. — 6691
 Peritheciis disseminatis, majusculis, inæqualiter excipuliformibus,
 setulis, brevibus nigrellis vestitis; sporulis tereti-fusoides pluri-
 guttulatis, 24-28 \approx 3-4, curvulis, setula 2,4-0,5 utrinque auctis.

Hab. in ligno seminudo, Noidan, Côte-d'Or Belgii.

2. **Dinemasporium decipiens** (De Not.) Sacc. Syll. III, p. 685 — var. 6692
Citri C. Mass. Mic. nuovi Ver. n. 19. — Basidiis subdichotomo-
 divisis, 20 \approx 25 μ . longis; sporulis fusoides-allantoideis, 5-6 \approx 2-2,5,
 utrinque setula 2. μ . long. auctis.

Hab. in ligno decorticato sicco *Citri Limonum*, Tregnago
 pr. Veronam Ital. bor.

3. **Dinemasporium purpurascens** Rich. Cat. Champ. Marn. n. 1801. 6693
 — Peritheciis valde apertis, pilis nigris tectis, junioribus violaceis
 intus roseis; sporulis brevibus.

Hab. in ramulis emortuis *Salicis*, St.-Amand Galliæ.

4. **Dinemasporium radiatum** Ell. et Ev. in Journ. Myc. 1888, p. 103. 6694
 — Peritheciis erumpentibus, gregariis, $\frac{1}{4}$ - $\frac{1}{2}$ diam., cupuliformi-
 bus, margine in pilos rigidos, nigros, continuos, 50-70 \approx 2,5-3, sic-
 cis incurvis fimbriatis; basidiis simplicibus, cylindratis, brunneolis,
 25-50 \approx 1,5; sporulis solitarie acrogenis, ovato-oblongis, hyalinis,

2-3-guttatis 6-7 \approx 2-2,5, apice setula unica erecta basi pilis 4-5 radiato-patentibus, donatis, demum vix 1-septatis.

Hab. in ramulis emortuis *Celtidis occidentalis*, West Chester, Pa. Amer. bor.

5. **Dinemasporium immersum** (Desm.) Sacc. *Excipula immersa* Desm. 6695

24 Not. pag. 11. — Peritheciis hypo- vel epiphyllis, minutis membranaceis, profunde immersis, suborbiculatis, sparsis, paucis, subsolitariis, nigris, hispidis, pezizoideo-apertis; setis numerosis, longissimis, rectis, atris, subopacis, septatis; nucleo albido, humectato dilatato-fluxili; sporulis copiosis, cylindraceutis, rectis v. subcurvulis, hyalinis, 15-20 \approx 2,5, utrinque in apiculum filiformem, pellucidum, tenuissimum terminatis.

Hab. in foliis vetustis *Quercus* et *Pruni lusitanicæ* in Gallia boreali.

POLYNEMA Lév. — Syll. III. p. 687.

1. **Polynema tricristatum** (Pat.) Sacc. *Dinemasporium* Pat. Bull. 6696

Soc. Myc. 1887, p. 131. — Minutissimum, punctiforme v. elongatum, siccum clausum, brunneo-nigricans, udum aperto-cupuliforme; disco albido; pilis exterioribus, rigidis, acutis, brunneis, 37-75 μ . long.; sporulis hyalinis, centro ostiolatis, rectis v. subcurvis, 10-13. μ . long., plerumque utrinque setis 3, raro 1-2 præditis.

Hab. in culmis emortuis *Graminaceæ*, Congo Africae occid.

Sect. 2. Phæosporæ.

PHÆODISCULA Cub. in N. G. B. I. 1891, p. 577. (Etym. a *phæos* ater et *Discula*). — Perithecia patellato-disciformia, membranacea, intus hyphis subhyalinis, conglutinatis composita, extus atra. Sporulæ ellipticæ, continuæ, fuliginæ, basidiis filiformibus, simplicibus suffultæ.

1. **Phæodiscula Celottii** Cub. in N. G. B. J. 1891, loc. cit. — Peritheciis 6697

superficialibus, sparsis, nigris, primitus subclausis, demum expansis, margine inflexo, 0,6-0,8 mm. diam., basi pilis dilute fuliginis, pluriseptatis præditis; sporulis ellipticis, atro-fuliginis, 11-12 \approx 4-5; basidiis dilute fuliginis, 35-40 μ . long.

Hab. in ligno decorticato *Mori albæ*, Conegliano Italiae bor. (LUIGI CELOTTI).

CONIOTHYRIELLA Speg. F. Puigg. n. 439 (Etym. a *Coniothyrio*, cui

affine). — Perithecia minuta, innata, cupulato-aperta, margine setulosa. Sporulæ ellipsoideæ, olivaceæ, continuæ.

1. **Coniothyriella phyllostictoides** Speg. F. Puigg. n. 439. — Maculis orbicularibus, determinatis, amphigenis 2-5 mm. diam.; peritheciis innatis, minutis, 100-150 μ . diam., atris, primo tectis, dein erumpenti-apertis, margine setulosis; sporulis ellipsoideis, fuligineo-olivaceis, 8-10 \approx 4. 6698

Hab. ad folia viva coriacea Mayteni sp. cujusdam in silvis pr. Apiahy Brasilæ.

Sect. 3. Didymosporæ.

DISCELLA B. et Br. — Syll. III, p. 687.

1. **Discella Grossulariæ** Oud. Contr. Mycol. XIII, p. 54, f. 37. — Maculis minimis, nigerrimis, $\frac{1}{10}$ - $\frac{1}{5}$ mm. diam., peritheciis scutiformibus, apice ruptis; sporulis numerosis, bacillaribus, rectis v. subcurvulis, utrinque rotundatis, 1-septatis, singulis hyalinis, coacervatis melleis, 7-10 \approx 2-3. 6699

Hab. in ramulis junioribus Ribis Grossulariæ, Schéveningue Nederlandiæ (DESTREË).

2. **Discella Pseudoplatani** Oud. Contr. Mycol. XIII, p. 55, (ubi diagnosis?). — Sporulis fusoides, hyalinis, 1-septatis, 11-17 \approx 2-3. 6700

Hab. in ramulis Aceris Pseudoplatani in silva de la Haye Nederlandiæ (DESTREË).

3. **Discella pilosula** Ell. et Ev. Journ. Myc. 1889, p. 153. — Peritheciis gregariis, ovoideis, $\frac{1}{3}$ - $\frac{1}{2}$ mm. diam., erumpentibus, superficialibus, nigris, rugosis, pilis paucis, nigris vestitis, dein late pertusis, margine sublacero-dentatis v. subfimbriatis; contextu subfibroso; sporulis cylindræis, curvis 3-6-guttatis, continuis v. vix 1-septatis, brunneolo-hyalinis, 10-16 \approx 2-2,5, utrinque sæpius abrupte mucronato-acuminatis, incurvis; basidiis tenuibus, simplicibus v. etiam ramosis, 25-30 μ . long. 6701

Hab. in Acere decorticato, Lyndonville, N. J. Amer. bor. (Doct. C. E. FAIRMAN).

4. **Discella albo-maculans** Peck in 35 Rep. Stat. Mus. 1884, p. 137. — Peritheciis punctiformibus, hemisphæricis, prominulis, in macula alba, indefinita gregariis, atris, rima irregulari vel radiata apertis; sporulis numerosis, oblongis, obscure uniseptatis, 10-12 \approx 3, hyalinis. 6702

Hab. in ramulis emortuis *Vitis* in montibus Helderberg in America boreali.

5. **Discella hysteriella** Peck in 35 Rep. Stat. Mus. 1884, p. 137. — 6703
Peritheciis hysteriiformibus, inter fibras ligni nidulantibus, rima longitudinali vel elliptica demum apertis, nigris; sporulis numerosis, oblongis utrinque obtusis, obscure uniseptatis, 7,5-10 \approx 3-4, hyalinis.

Hab. in ligno decorticato, North Greenbush Amer. bor.

6. **Discella aloetica** Sacc. F. Abyss. n. 40, f. 13. — Peritheciis erumpenti-superficialibus, disciformibus, $\frac{1}{4}$ - $\frac{1}{3}$ mm. diam., fuscis, dein nigricantibus, contextu parenchymatico fuligineo, hinc inde cyanescente, hyphis filiformibus, septatis dilute fuscis cinctis; sporulis anguste fusoides, curvulis, 1-septatis, 10-15 \approx 2, hyalinis; basidiis fasciculatis apice attenuatis, 12-15 \approx 2, hyalinis. 6704

Hab. in scapo florifero *Aloes abyssinicae*, Gheleb Erythræ Africæ or. (O. PENZIG).

7. **Discella palmicola** Cooke et Mass. in Grev. XVIII, p. 87. — Peritheciis spuriis, supra obsoletis, dein patellatis, erumpentibus, atris, initio epidermide tectis, dein lacerato-fissis; sporulis ellipticis, uniseptatis, nec constrictis, purpureo-fuscis, 24-30 \approx 9-12. 6705

Hab. in petiolis *Palmarum*, Madagascar Africæ orient. — Sec. Oudem. Contr. Myc. XIII, p. 55, *Fusicoccum Æsculi* Corda — Syll. III, p. 247 — verisimillime idem est ac *Discella Æsculi* Oud. loc. cit. (sporulis 28 \approx 5, 1-septatis, basidiis hamatis) sed stromate fere cytosporoideo ab Oudem. descripto a typo *Discellæ* recedere videtur. Hæc postrema in ramis *Æsculi* *Hippocastani*, la Haye Nederlandiæ occurrit.

PSEUDOPATELLA Sacc. Syll. III, p. 688 (nec Speg., 1891, quæ *Nothopatella* Sacc.).

1. **Pseudopatella corticalis** Bomm. Rouss. Sacc. Contr. Myc. Belg. IV, p. 89. — Peritheciis excipuliformibus, marginatis, erumpentibus, coriaceis, in sicco nigris, 2-3-aggregatis; sporulis hyalinis, fusoides, 1-septatis, 10-11 \approx 3, in basidiis verticillato-ramosis corymbose nascentibus. 6706

Hab. in ramis *Coryli Avellanæ*, Rouge-Cloître Belgii.

Sect. 4. Phragmosporæ.

EXCIPULINA Sacc. Syll. III, p. 688.

1. **Excipulina graminum** Karst. Symb. XXI, p. 106. — Peritheciis 6707

sparsis, innatis, cuticula tectis, dein ea scissa prominulis, primitus clausis, dein ore lato apertis, orbiculatis v. hysteriiformibus, molli-
libus, atris, disco pallido, excipulo parenchymatico, fuligineo, circ.
0,3 mm. lat.; sporulis fusoido-elongatis, utrinque attenuatis, rectis,
nonnumquam inæquilateralibus, 3-5-septatis, chlorino-hyalinis v.
hyalinis, 51-75 \approx 12-15, apice setula filiformi, hyalina, circ. 60 \approx
1,5 ornatis.

Hab. in foliis putrescentibus *Alopecuri pratensis*, Mustiala Fennicæ.

EXCIPULARIA Sacc. Syll. III, p. 689.

1. **Excipularia lignicola** Karst. et Malbr. Symb. Myc. Fenn. XXIV, 6708 p. 18. — Sporulis fusoido-bacillaribus, tenuiter 1-3-septatis, curvulis, 12-15 \approx 2.

Hab. in ligno ramorum *Syringæ vulgaris*, Aboa Fennicæ. — Veremur, ait ill. Karsten, ne hæc forma eadem sit ac *Amerosporium cervinum* (Pers.) Sacc. Syll. III, p. 632.

PILIDIUM Kunze em. Sacc. Syll. III, p. 689.

1. **Pilidium silvestre** (Fautr.) Sacc. *Pseudostictis silvestris* Fautrey 6709 in Rev. myc. 1890, p. 119. — Hymenio epidermide cincto, in tres v. quatuor partes fisso, substellato, elliptico, flavido; sporulis cylindraceo-oblongis, serius 3-septatis, 4-guttulato-ocellatis, dimensionibus variis, plerumque 16-22 \approx 5-6.

Hab. in caulibus siccis *Pastinacæ sativæ*, Côte-d'Or Gallicæ.

2. **Pilidium graminicolum** Peck 40 Rep. p. 62. — Peritheciis minutis, 6710 depressis, erumpentibus, orbiculatis v. hysteroideis, 200-350 μ . lat., late apertis, nigris, disco albido, margine laciniato-dentato; sporulis oblongis v. fusoides, hyalinis, 3-septatis, 35-40 \approx 10-12; basidiis brevibus, hyalinis.

Hab. in foliis *Calamagrostidis canadensis* in Mont. Marcy Amer. bor.

ACANTHOTHECIUM Speg. F. Puigg. n. 440 (Etym. *acantha* spina, seta et *thece* perithecium). — Perithecia (an sporodochia?) superficialia, cupulata, atra, margine setulosa. Sporulæ cruciato-quadrifidæ (X-formes) pluriseptulatae, hyalinæ. — Genus perpulcrum inter *Excipulaceas* et *Tubercularieas dematieas* anceps.

1. **Acanthothecium mirabile** Speg. F. Puigg. n. 440. — Maculis nul- 6711
lis; peritheciis minutis, epiphyllis, glomerulatis, superficialibus, hispido-setulosis, atris, 350-750 μ . diam., epithecio pallescente donatis; sporulis subcruciatim quadrifidis, ramis falcato-oppositis, puncto centrali tantum connatis, ramo uno brevior in sterigma producto donatis, hyalinis, ramis superioribus, 45-50 \approx 3, inferioribus 25-30 \approx 4.

Hab. ad folia viva *Xanthoxyleæ* cujusdam in nemorosis pr. Apiahy Brasilæ.

TÆNIOPHORA Karst. Symb. XVII, pag. 163 (Etym. *tænia* fascia et *phoreo* fero). — Perithecia erumpentia, inæqualia, laciniatim v. irregulariter dehiscentia, membranaceo-carbonacea, atra, nuda. Sporulæ 3-septatæ, fuliginæ, concatenatæ, basidiis suffultæ.

1. **Tæniophora acerina** Karst. loc. cit. — Peritheciis erumpenti-su- 6712
perficialibus, vulgo in series aggregatis, sæpe confluentibus, pulvinatis v. applanatis, atris, disco subconcolori seu fuscescenti-atro, 300-400 μ . lat.; sporulis oblongato- vel ellipsoideo-fusoideis, rectis, 3- rarissime 2-4-septatis, ad septa constrictis, concatenatis, ex hyalino dilute fuliginis, 18-26 \approx 9.

Hab. in ramulis emortuis *Aceris platanoidis*, Aboa et Vasa Fenniæ.

Sect. 5. Scolecosporæ.

PROTOSTEGIA Cooke. — Sacc. Syll. III, p. 690.

1. **Protostegia autumnalis** Sacc. in Rev. Myc. 1886, pag. 6. — Pe- 6713
ritheciis disciformibus, ascomatibus *Pseudopezizæ autumnalis* simillimis, atris, erumpentibus; sporulis bacillaribus, 20-22 \approx 1, rectiusculis, hyalinis.

Hab. in caulibus *Galiorum*, sociâ *Pseudopezizâ autumnali*, cujus est spermogonium in Gallia (ANGÈLE ROUMEGUÈRE).

2. **Protostegia pusilla** Speg. F. Puigg. n. 441. — Maculis amphige- 6714
nis, cinerescentibus, determinatis, angulosis, 1-3 mm. diam.; peritheciis lenticularibus, minutis, erumpentibus, sordide fuscis 180-200 μ . diam.; sporulis filiformibus continuis, hyalinis, 30-40 \approx 1.

Hab. ad folia coriacea, dejecta, putrescentia in silvis pr. Apiahy Brasilæ.

3. **Protostegia Eucalypti** Cooke et Mass. in Grev. XVI, p. 75. — 6715
Epiphylla; peritheciis immersis, cupuliformibus, gelatinosis, aurantiis, epidermide demum fissa tectis; sporulis obclavatis, sigmoidis curvulisve, elongatis, hyalinis, continuis, 60-90 \approx 3; basidiis brevissimis.

Hab. in foliis emortuis Eucalypti incrassatæ, Melbourne Australiæ (READER).

4. **Protostegia Pleromatum** Speg. Guar. I, p. 154. — Maculis nullis 6716
v. effusis sæpeque totum folium occupantibus; peritheciis atris sparsis, epidermide atrata velatis, hemisphærico-prominulis, dein 3-4-laciniato-fissis, disculo concavo, contextu crassiusculo subcarnosulo minute obsoleteque parenchymatico, olivaceo-fuligineo; sporulis subacicularibus, 70-80 \approx 1-2, obsolete 1-5-septatis, utrinque obtusiuscule acutatis, hyalinis.

Hab. ad folia viva Pleromatis speciei in silva Caà-guazù Brasilæ.

SCHIZOTHYRELLA Thüm — Syll. III, p. 690.

1. **Schizothyrella Hippocastani** E. et Ev. Proc. Ac. Phil. 1891, p. 78. 6717
— Peritheciis subseriatim erumpentibus, superficialibus, nigris, globoso-tuberculiformibus, subconfluentibus v. singulis demum plus minus distincte 4-sulcatis; sporulis fasciculatis, 75-80 μ . long., in articulos cylindræcos, hyalinos, truncatos, 8-10 \approx 1,5 supra secedentibus, basi (basidio) brunneolis.

Hab. in cortice emortuo Æsculi Hippocastani, London Canada Amer. bor. (J. DEARNESS).

EPHELIS Fr. — Syll. III, p. 691.

1. **Ephelis borealis** Ellis et Ev. in Journ. of Myc. 1885. — Stro- 6718
mate griseo, extenso, folium ambiente, circiter $\frac{1}{2}$ cm. lato, et *Epichlœi typhinæ* simili; peritheciis paucis, 2-5 in quoque stromate, innatis, leniter convexis, primo parte superiore stromatis tectis, demum expositis, margine imperfecto, *Pezizam* simulantibus; sporulis acicularibus, sæpe rectis v. subinde medio curvatis, hyalinis vel pallide luteolis, nucleolatis (?), utrinque obtusis, 15-25 \approx $\frac{3}{4}$.

Hab. in foliis vivis Graminum, Nova Scotia Amer. bor. — An ab *Eph. mexicana* distinguenda?

2. **Ephelis trinitensis** C. et Mass. Devel. of Eph. p. 34, t. IV. — 6719
Stromate solido, nigro, effuso, circumambiente, typhoideo; perithe-

ciis pezizoideis, erumpentibus, ellipticis, margine lacerato, stratu sporifero griseo; sporulis filiformibus, continuis, rectis v. leniter curvulis, hyalinis, 25-30 \approx 1,5, basidiis brevibus suffultis.

Hab. in inflorescentia *Panici palmifolii*, Trinidad Amer. austr. (J. H. HART).

3. **Ephelis Poæ** (Lib.) Sacc. F. Ard. n. 207, *Dacryomyces Poæ* Lib. 6720 Crypt. II, n. 135 (1832). — Peritheciis discoideo-hemisphæricis, minutis, initio albis, maculæ subquadratæ nigræ insidentibus, collabascendo concavis, virescentibus; excipulo fusco radiato-parenchymatico; sporulis filiformibus, curvulis, dense fasciculatis, 25-30 \approx 1, hyalinis; basidiis brevibus angustis.

Hab. ad folia emortua *Poæ sudeticæ* in Arduennis.

PSEUDOCENANGIUM Karst. Symb. XVII, p. 163. — Perithecia superficialia, libera sphæroidea v. obovoidea, clausa, dein ore lato, lacero aperta, tenuiter membranaceo-carbonacea, atra, glabra. Sporulæ filiformes, simplices, hyalinæ, in catenulam digestæ.

1. **Pseudocenangium Pinastri** Karst. loc. cit. — Peritheciis gregariis 6721 v. sparsis, globosis v. obovoideo-globosis, dein late apertis, margine lacero, subinde fimbriato, atris, glabris, disco pallidioribus, 0,2 mm. diam.; sporulis filiformibus, simplicibus, rectis, 21-25 \approx 0,5-1; basidiis brevibus, filiformibus.

Hab. in foliis vetustis *Pini silvestris* pr. Mustiala Fennicæ.

MELANCONIÆ Berk. em. Sacc. — Syll. III,
pag. 696.

Sect. 1. Hyalosporæ.

HAINESIA Ell. et Sacc. Syll. III, p. 698.

1. **Hainesia borealis** Ell. et Ev. Journ. Myc. 1889, p. 156. — Acer- 6722
vulis hypophyllis, sparsis, suborbicularibus, erumpentibus, 0,5-0,7
mm. diam. subgelatinosis, flavido-hyalinis, depresso-hemisphæricis,
margine atro, lineari, ab epidermide rupta formato cinctis; conidiis
suballantoideis, leviter curvis, 5-7 \approx 1, tenuiter 2-nucleatis, basidiis
fasciculatis, subramosis, 20-25 \approx 1.

Hab. in foliis *Galii borealis*, Haniloops Columb. brit. Amer.
bor. (J. MACOUN).

GLÆOSPORIUM Desm. et Mont. — Syll. III, p. 699 *).

1. In Dicotyledoneis lignosis.

1. **Glæosporium fulvellum** Speg. Guar. I, p. 157. — Maculis hypo- 6723
phyllis, sparsis, parvulis, 1-2 mm. diam., effuso-indeterminatis, vix
manifestis, fulvellis vel subferrugineis, acervulis subcutaneis, 3-8
macularum centro insidentibus, lenticulari-pulvinatis, 150-180 μ .
diam., fulvis vel pallide ferrugineis; conidiis ellipticis, 5-6 \approx 2-2,5,
utrinque rotundatis, nubiosis, hyalinis; basidiis non visis.

Hab. ad folia viva *Rhamnæ* sp. cujusdam prope Peribeby
Brasilæ.

2. **Glæosporium Paliuri** (Lév.) Karst. et Har. Journ. Bot. 1890, p. 360, 6724
Dothidea Lév. Voy. Demid. p. 107. — Acervulis hypophyllis, im-
mersis, sublenticularibus, perithecioides, brunneis, minutissimis,
confertissimis, maculas minutas, brunneo-nigrescentes formantibus;
conidiis cylindræis, vulgo curvulis, hyalinis, 3-4,5 \approx 0,5-1.

*) Sec. cl.^{am} Southworth, in Journ. Myc. VI, pag. 164, *Glæosporium fru-
ctigenum* Berk., *Gl. læticolor* Berk., *Gl. versicolor* B. et C. et *Ascochyta
rufo-maculans* Berk., unam et eandem speciem sistunt. Teste ipsa auct., hy-
phæ brunneæ septatæ rarius occurrunt in hac specie, transitum ad *Colleto-
trichum* demonstrantes.

Hab. ad folia Paliuri in Tauria (LÉVEILLÉ).

3. **Glæosporium? brasiliense** Speg. F. Puigg. n. 442. — Maculis amphigenis, albis, determinatis, 2-6 mm. diam., acervulis amphigenis, densiuscule sparsis, minutis, 100-120 μ . diam., fuscescentibus; conidiis subcylindræis, hyalinis, 2-3 \approx 1; basidiis 1-2-sporis, 5-10 \approx 1.

Hab. ad folia viva Xanthoxyleæ cujusdam in silvis prope Apiahy Brasilæ. — Conidia forte catenulata.

4. **Glæosporium Hedycaryæ** Cooke et Mass. Grev. XVIII, pag. 7. — 6726
Epiphyllum; maculis orbicularibus, nigricantibus; acervulis solitariis v. gregariis; conidiis oblongis, utrinque rotundatis, granulosis, hyalinis, 18 \approx 4.

Hab. in foliis languidis Hedycaryæ Cunninghami, Macedon, Victoria Australiæ (MARTIN).

5. **Glæosporium Opuntiaæ** Ell. et Ev. Journ. Myc. 1888, pag. 52. — 6727
Acervulis erumpentibus, sparsis, majusculis, demum pallidis; conidiis oblongis, obtusis, continuis, 13-18 \approx 4-4,5, coacervatis, succineis.

Hab. in Opuntia brasiliensi in calidario Perryville, Mo. Amer. bor. (Rev. C. H. DEMETRIO).

6. **Glæosporium lunatum** Ell. et Ev. Proc. Acad. Phil. 1891, pag. 82. 6728
— Maculis orbicularibus, 1-3 cm. diam.; acervulis erumpentibus, carneis, numerosis; conidiis lunato-fusoideis, 12-20 \approx 2-3, sæpius uno apice subcrassioribus.

Hab. in foliis vivis Opuntiaæ, sociâ *Sphærellâ Opuntiaæ*, S. Antonio, Texas Amer. bor. (Doct. F. EGELING).

7. **Glæosporium amœnum** Sacc. sp. n. — Acervulis late et dense gregariis, subcutaneis, globoso-depressis, minutis, subinde confluentibus, basi sporigera fuliginea, parenchymatica; basidiis stipatis teretibus, guttulatis, hyalinis, 15-20 \approx 3,5-4; conidiis oblongo-fusoideis, rectis, utrinque rotundatis, nubiloso-guttatis, 20-24 \approx 4-5, hyalinis, coacervatis dilute incarnatis, in cirros tæniiformes contortos amœne incarnato-aurantios exsiliantibus.

Hab. in caulibus, quos forte necat, Cerei nycticali in horto patavino Ital. bor. (ANDREAS FIGAL).

8. **Glæosporium Cerei** Passer. Diagn. F. N. V, n. 47. — Maculis pallidis, subcircularibus; acervulis circinantibus, linearibus, flexuosis, subconfluentibus, epidermide sublevata tectis, dein erumpentibus; basidiis brevissimis, hyalinis, tenuibus, e strato prolifero flavido oriundis; conidiis elongatis, apicibus rotundatis, integris, hyalinis, endoplasmate granuloso, opaco, 12-15 \approx 3-4.

Hab. in *Cereo triangulari*, Parma in horto botanico parmensi Ital. bor.

9. **Glæosporium crassipes** Speg. Amp. Ital. pag. 405, Sacc. Fungi It. 6731
1020. — Maculis magnis, subcircularibus, sæpe totam superficiem baccarum occupantibus et ob epidermidem atque strata cellularum corticalium arescentia colore griseo-fuligineo, margine subatro; acervulis subepidermicis, primo applanatis dein subconicis atque vertice epidermidem perforantibus, plus vel minus dense gregariis, 150-250 μ .; conidiis proteiformibus ellipticis v. subnavigularibus, quandoque continuis, hyalinis, non v. uniguttulatis, subinde protoplasmate bipartito spurie uniseptatis visis, 20-30 \approx 7-8, acrogenis in basidiis crassissimis, continuis, rarius 1-2-septulatis, granulosis, strato pulvinato prolifero insidentibus, 40-50 \approx 5-6,5, hyalinis.

Hab. ad baccas *Vitis viniferæ* varietatis *Schiava* locis humidulis circa Conegliano Ital. bor.

10. **Glæosporium Physalosporæ** Cav. Rev. Myc. 1888, n. 40. — Maculis irregularibus lividis arescentibus, acervulis ceraceis, subepidermicis, subconicis, erumpentibus, 140-180 μ . diam.; conidiis cylindræis vel fusoideis, rectis vel curvulis, hyalinis, plasmate homogæneo farctis, 14-20 \approx 4-6, basidiis filiformibus, 25-30 μ . long., suffultis.

Hab. in baccis *Vitis viniferæ*, sociâ *Physalosporâ baccæ* (cujus forte st. conidicus), Stradella Ital. bor.

11. **Glæosporium pestiferum** C. et M. Gard. Chron. 1891, Jan. 17. — Dense gregarium, pustulatum, subcuticulare, dein erumpens; conidiis cylindræis, rectis, utrinque rotundatis, 14-15 \approx 3-4, hyalinis, intus granulosis, dein in massas tubercularioideas, roseas expulsis; basidiis tenuibus ex basi sporifera pulvinulata oriundis.

Hab. in sarmentis, petiolis, pedunculis baccisque *Vitis viniferæ*, cui maxime noxium, Brisbane Australiæ. — A *Gl. ampe-lophago* conidiis multo amplioribus et in massam tubercularioideam ejectis mox dignoscitur.

12. **Glæosporium urediniforme** Speg. F. Puigg. n. 445. — Maculis in determinatis, 1-2 mm. diam., pallescentibus; acervulis epiphyllis, 80-90 μ . diam., minutis, fusco-fulvescentibus; conidiis cylindræo-oboventis, hyalinis, 4-5 \approx 1, basidiis papilliformibus fultis.

Hab. ad folia non coriacea *Cissi?* cujusdam in dumetis prope Apiahy Brasiliæ.

13. **Glæosporium nitidulum** Speg. F. Puigg. n. 446. — Maculis am-

phigenis, subdeterminatis, 2-5 mm, diam., pallescentibus, acervulis minutis, 150-200 μ . diam., epiphyllis, fuscis; conidiis obovato-ellipsoideis, utrinque minutissime apiculatis, hyalinis, 10-12 \approx 5, basidiis cylindraceis, 7-10 \approx 3, concoloribus, monostichis suffultis.

Hab. ad folia viva Cissi? sp. cujusdam in dumetis prope Apiahy Brasilæ.

14. **Glæosporium Tabernæmontanæ** Speg. F. Guar. nonn. n. 151. — 6736

Maculis pallescentibus, determinatis; acervulis minutis, epiphyllis, ochraceis, erumpentibus, 70-80 μ . diam.; conidiis ellipsoideo-cylindraceis, utrinque cylindraceis, majusculis, hyalinis, 12-18 \approx 4-5.

Hab. in foliis vivis Tabernæmontanæ speciei cujusdam prope Paraguari Brasilæ.

15. **Glæosporium Citri** Cooke et Mass. in Grev. XIX, p. 92. — Gre- 6737

garium, erumpens, pallide fuligineum; acervulis pusillis, sæpe confluentibus, epidermide supra irregulariter fissa; conidiis obtuse fuscoideis, primo guttatis v. granulosis, 20 \approx 5-6; basidiis brevibus.

Hab. in ramis Citri, Victoria Australiæ (MARTIN).

16. **Glæosporium Spegazzinii** Sacc., *Glæosporium citricolum* Speg. 6738

F. Puigg. n. 443 (1889), nec C. et M. — Maculis amphigenis, maximis, indeterminatis, albo-cinereis, acervulis amphigenis, laxe gregariis, lenticularibus, minutis, 200-300 μ . diam., fusciscentibus; conidiis cylindraceis, hyalinis, 14-18 \approx 6-7, utrinque obtusissime rotundatis; basidiis 20-30 \approx 5, sursum tenuato-truncatis, basi fuscellis.

Hab. ad folia viva Citri Limonum in hortis prope Apiahy Brasilæ.

17. **Glæosporium citricolum** Cooke et Mass. Grev. XVI, p. 3 (1887). 6739

— Maculis atro-fuscis, parvulis, subdiscoideis, sæpe confluentibus; acervulis immersis; conidiis ovalibus, continuis, hyalinis, 8 \approx 6.

Hab. in foliis Citri, Brisbane Australiæ (BAILEY).

18. **Glæosporium hysteroioides** Ell. et Ev. Journ. Myc. 1889, p. 154. 6740

— Maculis magnis, 1-2 cm. diam., sæpius marginalibus, primo flavidis, dein cinereis, tandem sordide albis, margine flavo, lato, subelevato cinctis, acervulis erumpentibus, nigris, hysteroiiformibus; conidiis oblongis, 12-15 \approx 3,5-5, non incurvis, basidiis brevioribus fultis.

Hab. in foliis Citri, Florida Amer. bor. (Doct. G. MARTIN). —

G. sphærelloidi affinis sed basidiis brevioribus maculisque definitis.

19. **Glæosporium Liriodendri** E. et E. Journ. Myc. 1887, p. 128. — 6741

Maculis epiphyllis, rotundis, atro-cinctis; acervulis minutis, palli-

dis, innatis; conidiis oblongis, 12-16 \approx 5, hyalinis, utrinque obtusis, in cirros punctiformes, carneos expulsis.

Hab. in foliis Liriodendri Tulipiferæ, Faulkland, Del. Amer. bor.

20. **Glæosporium Magnoliæ** Passer. Diagn. F. N. IV, p. 14. — Maculis exaridis, griseo-fuscis, late fusco-marginatis; acervulis minutis, punctiformibus, epiphyllis, gregariis; conidiis elongato-ellipticis, interdum 1-2-guttulatis, 8-12,5 \approx 3,5-4, hyalinis.

Hab. in foliis vivis Magnoliæ fuscatae, Parma Ital. bor.

21. **Glæosporium Rubi** Ell. et Ev. Journ. Myc. 1888, p. 52. — Amphigenum; maculis magnis, indefinitis, brunneis; acervulis numerosis, parvis; conidiis oblongis, continuis, hyalinis, 10-16 \approx 4, utrinque sæpius rotundatis, rectis v. raro subcurvis et uno apice paullo angustioribus.

Hab. in foliis vivis Rubi villosi, socia *Uredine nitente*, Starkville, Miss. Amer. bor. (Prof. S. M. TRACY).

22. **Glæosporium necator** E. et E. Journ. Myc. 1887, p. 129. — Maculis cauliculis, pallidis, margine subelevato, atro-cinctis, 2-3 mm. diam., orbicularibus vel ellipticis; conidiis oblongo-ellipsoideis, 5-7 \approx 3, in massam succineam expulsis.

Hab. in foliis vivis Rubi idæi et fruticosi, Evanston Ill. et Columbia Mont. Amer. bor. — *Gl. veneto* affine sed foliicolum.

23. **Glæosporium minutulum** Br. et Cav. I Funghi parass. fasc. V, n. 110. — Acervulis subcutaneis erumpentibus, nervisequiis, ceraceis, plerumque hypophyllis; basidiis filiformibus, ramosis, 20-30 \approx 1; conidiis minutissimis, sphaericis, hyalinis, 2-2,5 μ . diam.

Hab. ad nervos foliorum Mespili et Cydoniæ, socia *Ovularia necante*, in horto agrario Pavia (CAVARA) et Bologna (MATTEI).

24. **Glæosporium prunicolum** E. et E. Journ. Myc. 1887, pag. 129. — Maculis irregularibus, 3-10 mm. diam., atro-rubiginosis, demum deciduis; acervulis innatis, minutis; conidiis ellipsoideis, plerumque 4-6 \approx 2,5.

Hab. in foliis vivis Pruni virginianæ, Racine, Wis. Amer. bor. (Dr. J. J. DAVIS).

25. **Glæosporium ovalisporum** E. et E. Proc. Acad. Phil. 1891, p. 83. — Acervulis minutis, dense sparsis, areis magnis, emortuis, dein brunneo-cinereis insertis, in utraque folii pagina erumpentibus; conidiis ovoideis v. citriformibus, uno apice minute apiculatis, 6-10 \approx 5-7.

Hab. in foliis Pruni serotinae, London, Canada Amer. bor.

26. **Glæosporium nigricans** Cooke et Mass. in Grev. XIX, p. 91. — 6748
Maculis indistinctis; acervulis amphigenis, dense gregariis, dein nigris, convexis, demum pertusis; conidiis ovoideis, hyalinis, $12 \approx 7$.
Hab. in foliis Eucalypti paucifloræ, in montibus australiensibus (C. WALTER).
27. **Glæosporium obtusipes** Sacc. F. Rom. n. 75, f. 14. — Acervulis 6749
dense gregariis, subepidermicis, dein erumpentibus, ex ochraceo tandem nigricantibus, $\frac{1}{3}$ mm. diam., e globoso depressis; conidiis ex ellipsoideo oblongis, utrinque obtusis, $12-15 \approx 5-6$, hyalinis; basidiis dense fasciculatis, paliformibus, brevibus, $8-12 \approx 4-5$, apice obtuse rotundatis, e flavido hyalinis, continuis.
Hab. in ramis junioribus Bauhinie glandulosæ in horto botanico romano Italiae.
28. **Glæosporium subfalcatum** Bomm. Rouss. Sacc. Contr. Myc. Belg. 6750
IV, p. 90. — Acervulis minusculis, prominulis, dense gregariis, epidermide dealbata tectis; conidiis fusoides, curvatis v. falcatis, hyalinis, $24-30 \approx 5,5$, in cirrum hyalinum exeuntibus; basidiis brevibus, fascicularibus, parum distinctis.
Hab. in ramulis tenellis emortuis Sarothamni scoparii, Ebly Belgii.
29. **Glæosporium revolutum** Ell. et Ev. Journ. Myc. 1889, p. 153. — 6751
Acervulis marginem folii dein flaventem et revolutum efficientibus; conidiis oblongis, $12-15 \approx 3-4,5$.
Hab. in foliis Robinie Pseudacaciae, Newfield, N. J. Amer. bor. — In statu juniore habitus *Taphrinæ*.
30. **Glæosporium leguminis** C. et H. — Syll. III, p. 717 — var. **Robinie** 6752
Karst. et Har. Journ. Bot. 1890, p. 360. — Conidiis oblongis, rectis, utrinque attenuatis, eguttatis, $10-12 \approx 3-4$.
Hab. in leguminibus Robinie in Neustria Galliae (LENORMAND).
31. **Glæosporium apocryptum** Ell. et Ev. Journ. Myc. 1888, p. 52. — 6753
Acervulis numerosis, minutis, sæpius hypophyllis, areis emortuis et toto folio insidentibus; conidiis oblongis v. anguste ellipsoideis, copiosissimis, $5-12 \approx 2,5-5$.
Hab. in foliis Negundinis fraxifolii, Racine Wis. et Kansas Amer. bor.
32. **Glæosporium Saccharini** Ell. et Ev. Proc. Acad. Phil. 1891, p. 82. 6754
— Acervulis minutis, copiosis, haud distinctis; conidiis oblongo-fusoides, $6-7 \approx 1,5-3$, hyalinis, continuis.
Hab. in foliis Aceris saccharini, Racine Wis. Amer. bor.

(Doct. J. J. DAVIS). — Folii margo et pars superior fit brunnea sicca, demum omnino destruitur.

33. **Glæosporium campestre** Pass. Diagn. F. N. IV, p. 14. — Maculis 6755
discoideis, flavidis, haud marginatis, centro acervulos semper te-
ctos foventibus; conidiis ellipticis, continuis, haud guttulatis, hya-
linis, $6-7,5 \approx 2,5-3$.

Hab. in foliis vivis *Aceris campestris*, Vigheffio pr. Par-
mam Ital. bor.

34. **Glæosporium Berberidis** Cooke in Grevillea XIII, p. 98. — Hy- 6756
pophyllum; acervulis gregariis, numerosis, convexis, maculis latis,
decoloratis, subinde totum folium occupantibus, insidentibus, palli-
dis; maculis brunneis, margine rufulo cinctis; conidiis ovoideis,
hyalinis, $5 \approx 3$.

Hab. in foliis putrescentibus *Berberidis asiaticæ*, Kew
Britanniæ.

35. **Glæosporium aridum** Ell. et Holw. Journ. Myc. 1887, p. 21. — 6757
Maculis amphigenis, flavido-brunneis, definitis, irregularibus, 2 cm.
v. ultra, fragilibus; acervulis hypophyllis, pallidis, numerosis, par-
vis; conidiis oblongis vel oblongo-ellipsoideis, hyalinis, 2-guttatis,
 $5-8 \approx 2,5-3,5$.

Hab. in foliis vivis *Fraxini americanæ*, Racine, Wis.
Amer. bor. (Doct. J. J. DAVIS). — Differt a *G. fraxineo* maculis
magnis, irregularibus et a *G. punctiformi* maculis et conidiis mi-
noribus.

36. **Glæosporium punctiforme** Ell. et Ev. Journ. Myc. 1887, pag. 21. 6758
— Maculis flavis, epiphyllis; acervulis hypophyllis, erumpentibus;
conidiis oblongis, medio 1-septatis et valide constrictis, utrinque
obtusis, $15-22 \approx 7-8$, coacervatim flavidis.

Hab. in foliis vivis *Fraxini americanæ*, Delaware Amer.
bor. (A. COMMONS).

37. **Glæosporium irregulare** Peck 42 Rep. p. 31. — Maculis amplis, 6759
irregularibus, 1-2 in quoque foliolo, brunneis vel rufo-brunneis;
acervulis numerosis, hypophyllis, minutis; conidiis ellipsoideis, ob-
tusis, $7-10 \approx 4-5$, demum exsiliantibus et massam minutam subglo-
bosam albidam formantibus.

Hab. in foliis vivis *Fraxini americanæ*, Menands Amer. bor.

38. **Glæosporium fraxineum** Peck in Thirty-fifth Rep. St. Mus. Bot. 6760
1884, p. 137. — Maculis numerosis, parvis, pallide rubris, obscure
vel purpureo-marginatis, centro albicantibus; acervulis raris; co-
nidiis oblongo-ellipsoideis, $5-6 \approx 4$, sæpe binucleatis, hyalinis.

Hab. in foliis vivis Fraxini pubescentis, Albany Americæ borealis.

39. **Glæosporium decipiens** E. et E. Journ. Myc. 1887, pag. 128. — 6761

Acervulis majusculis; conidiis elongato-cylindræis, in massam expulsis, 22-50 \times 3-5, endochromate interdum medio subdiviso (an demum 1-septatis?).

Hab. in foliis vivis Fraxini americanæ, Manhattan, Kansas Amer. bor. (W. T. SWINGLE). — «An *Marsonia* species?».

40. **Glæosporium Phillyrææ** Pass. Diagn. F. N. IV, n. 128. — 6762

Acervulis amphigenis, in maculis expallentibus, dein effusis, sparsis, disciformibus, albidis; conidiis cylindricis, curvis v. sigmoideis, rarius rectis, basidiis bacillaribus subæquilongis fultis, hyalinis, biguttulatis, 12,5-15 \times 2,5.

Hab. in foliis languidis Phillyrææ mediæ, in horto botanico parmensi, Ital. bor.

41. **Glæosporium crocatum** Sacc. F. Abyss. n. 41, fig. 7 a, f-g. — 6763

Acervulis hinc inde dense gregariis, immersis, epidermidem leviter pustulatim elevantibus, globoso-lenticularibus, vix 0,5 mm. diam., aurantiacis; conidiis copiosissimis, cylindræo-oblongis, utrinque præsertim apice rotundatis, rectis vel leviter curvis, 2-3-guttatis nubilosisque hyalinis 23-26 \times 5-6; basidiis e basi prolifera parenchymatica, dilute aurea oriundis, cylindræis, 12-15 \times 3 flavidis; cirris conidiorum longe exsertis, filiformibus, contortis, amœne crocatis.

Hab. ad ramos languidos Euphorbiæ Ammak, sociâ *Hyponectriâ Penzigianâ* in Erythræa Afr. or. (O. PENZIG).

42. **Glæosporium Pelargonii** Cooke et Mass. Grev. XVIII, p. 20. — 6764

Hypophyllum; acervulis sparsis, bullatis, pallidis; conidiis tereti-oblongis, utrinque rotundatis, hyalinis, 20 \times 4-5.

Hab. in foliis Pelargonii culti, Kew Britannicæ.

43. **Glæosporium carpogenum** Cooke et Hark. in Grevillea XIII, p. 113. 6765

— Acervulis innato-erumpentibus, pallidis, ore lacerato; conidiis subellipticis v. clavatis, utrinque rotundatis, hyalinis, 18 \times 6-7.

Hab. in capsulis Gossypii arborei in California (HARKNESS).

44. **Glæosporium Bignoniæ** Pass. Erb. cr. ital. II, n. 1085. — 6766

epiphyllis irregularibus, angulosis, albidis margine atro-sanguineo cinctis, acervulis minutissimis, aggregatis, albidis v. senio fuscatis; conidiis lanceolatis, integris, hyalinis, basidiis brevibus (?) fultis.

Hab. in foliis languescentibus hibernantibus Bignoniæ capreolatæ, socio *Cladosporio* in horto botanico Parma Ital. bor.

45. **Glæosporium harposporum** Bres. et Sacc. in Berl. et Bres. Micr. 6767
Trid. pag. 79. — Acervulis gregariis, globoso-depressis, 0,2 mm.
diam., epidermide dein minute fissa velatis, pallidis; conidiis falci-
formibus, utrinque acutis, 18-20 \approx 4-5, granulosi, hyalini; basi-
diis indistinctis.

Hab. in foliis emortuis Visci albi in Val di Sole pr. Trento.

46. **Glæosporium Mezerei** Cooke in Grev. XIX, pag. 8. — Acervulis 6768
gregariis, parvis, brunneis, centro pallidioribus, subinde confluenti-
bus; conidiis ellipsoideis vel amygdaliformibus, 1-2- v. plurigut-
tatis, 15 \approx 6, continuis, hyalini, primo basidiis brevissimis fultis.

Hab. in foliis languidis Daphnes Mezerei, Kew Britannicæ.

47. **Glæosporium Ledi** Schroet. Pilze Labrad. pag. 20. — Acervulis 6769
epiphyllis, 0,3 mm. diam., nigricantibus, solitariis v. 2-5 in ma-
cula albida late brunneo-limbata; conidiis cylindraneo-clavatis, 11-
13 \approx 4, hyalini; basidiis rectis, brevibus.

Hab. in foliis Ledi latifolii, Okak in Labrador (MEYER).

48. **Glæosporium guaraniticum** Speg. Guar. I, pag. 156. — Maculis 6770
amphigenis, determinatis, repando-orbicularibus, 2-6 mm. diam.,
subarescentibus pallideque fulvescentibus, zona obscuriore, strictis-
sima, vix perspicua limitatis, sæpius centro cinerescentibus; acer-
vulis epiphyllis, sparsis, subcutaneis, vix pulvinatis, 80-100 μ . diam.,
fulvescentibus; conidiis elliptico-inæquilateralibus vel cymbiformi-
bus, utrinque rotundatis, 7-8 \approx 1,5, hyalini, in basidiis filiformibus,
10-15 \approx 0,5-0,7, hyalini, solitarie acrogenis.

Hab. ad folia viva Sapindacæ sp. in silvis prope Guarapí
Brasilicæ.

49. **Glæosporium Diospyri** E. et E. Journ. Myc. 1887, pag. 129. — 6771
Acervulis innatis, in greges minutos, pallidos, tuberculiformes, epi-
phyllis erumpentibus, areis olivaceo-brunneis insidentibus; conidiis
ovoideis, granulosi, 6-14 \approx 5-7.

Hab. in foliis Diospyri virginiani, Faulkland Del. Amer.
bor. (A. COMMONS).

50. **Glæosporium fagicolum** Pass. in litt. Brun. in Rev. Myc. 1886, 6772
pag. 206. — Maculis irregularibus, brunneis vel brunneolis, demum
siccitate centro albo-cinereis, margine brunneo cinctis; conidiis ob-
longo-ovoideis, hyalini, 12,5 \approx 4.

Hab. in foliis languescentibus Fagi silvicæ, Saintes Gal-
liæ. — Conidiis minoribus a *G. Fagi* distinctum.

51. **Glæosporium rostratum** E. et E. Journ. Myc. 1887, pag. 129. — 6773
Maculis amphigenis, subrotundis 1-3 mm. diam., pallide rubigino-

sis, margine angusto et obscuriore; acervulis minutis, sæpius centro macularum dispositis, epiphyllis, succineis; conidiis cylindraceis, curvis, $35-45 \approx 2,5-3$, granulosis, guttatis (demum 3-septatis?).

Hab. in foliis vivis *Coryli rostratæ*, Columbia britann. Amer. bor. (Prof. JOHN MACOUN). — «An *Septoglæi* species?»

52. **Glæosporium septorioides** Sacc. Misc. Myc. II, p. 16, tab. XI, 6774
f. 34^b, *Marsonia quercina* Wint. Hedw. 1884, p. 171. — Maculis albidis, subtus ochraceis, atro-cinctis; conidiis bacillari-fusoideis, curvatis, utrinque obtusiusculis, $20 \approx 1,7-2$, hyalinis, semper continuis [etiam addita ope jodii et kalii].

Hab. in foliis *Quercus imbricatæ*, Missouri Amer. bor. (C. H. DEMETRIO, COMM. WINTER).

53. **Glæosporium Suberis** Roll. Bull. Soc. Myc. 1891, p. 212, t. XIV, 6775
f. 5. — Acervulis punctiformibus, sparsis, rotundis, irregulariter pulvinatis, atris, 1 mm. sæpius lat., sine macula; conidiis curvatis, multiguttatis, sæpius supra acutis et infra obtusis, $50 \approx 3,75$; basidiis filiformibus, simplicibus, fasciculatis, $30 \approx 1$, hyalinis.

Hab. ad corticem *Quercus Suberis*, Golfe Jouan Galliæ merid. — «Ob sporulas longe fusoideas a typo generis recedit».

54. **Glæosporium canadense** Ell. et Ev. Journ. Myc. 1889, p. 153 et 6776
Proc. Acad. Phil. 1891, p. 83. — Maculis amphigenis, irregularibus, subrotundis, circ. 0,5 cm. diam., centro pallide rubiginosis, margine lato, sordide brunneo, subdefinito in epiphylo cinctis, fere indefinitis in hypophylo; acervulis sparsis, demum atris, 180-200 μ . diam., sæpius in epiphylo erumpentibus; conidiis ovato-oblongis, hyalinis, $10-14 \approx 3,5-4,5$.

Hab. in foliis vivis *Quercus albæ*, London, Canada et Wisconsin Amer. bor. (J. DEARNESS).

55. **Glæosporium gallarum** Rich. Cat. Champ. Marn. n. 1808. — Acervulis epidermide nigrificata tectis; conidiis cylindraceis, 6-guttulatis. 6777

Hab. in gallis *Quercus* in silva St.-Amand, Aulnay Galliæ.

56. **Glæosporium Caryæ** Ell. et Dearness Proc. Acad. Phil. 1891, 6778
pag. 82. — Maculis suborbicularibus, supra rubescenti-brunneis, subtus saturatius coloratis, 1-2 cm. diam. vel, dum confluentibus, amplioribus, subindefinite marginatis; acervulis hypophyllis, numerosis, parvis, 75-150 μ . diam., superficialibus, brunneis; conidiis allantoideis, continuis, $7-10 \approx 1,5-2$.

Hab. in foliis *Caryæ albæ*, London, Canada Americæ borealis (DEARNESS).

57. **Glæosporium Celtidis** Ell. et Ev. Acad. Phil. 1891, p. 82. — Ma- 6779
culis sæpius marginalibus, plus minus continuis, raro dimidium v.
totum folium occupantibus, sordide brunneis, margine angusto, de-
finito, saturatius colorato limitatis extus flavido-cinctis, acervulis
numerosis, circ. 200 μ . diam.; conidiis fusoideo-oblongis vel ovato-
oblongis, continuis, 10-12 \approx 4-5, hyalinis, sæpius subtus in mas-
sulas parvas, aurantiacas erumpentibus.
Hab. in foliis Celtidis occidentalis, London, Canada Amer.
bor. (J. DEARNESS).
58. **Glæosporium Elasticæ** Cooke et Mass. Grev. XVIII, p. 74. — 6780
Acervulis minutis, sparsis, dein nigricantibus; conidiis ellipsoideis
v. elongatis, utrinque rotundatis, hyalinis, granulosis, interdum gut-
tatis, 12-20 \approx 5.
Hab. in foliis Fici elasticæ in horto botanico, Glasgow Bri-
tanniæ (D. A. BOYD).
59. **Glæosporium cytosporium** Pass. in Erb. critt. ital. II, n. 1182. 6781
— Epiphyllum; maculis orbicularibus brunneis, pustulas vix pro-
minulas subcircinatim digestas albidas foventibus; conidiis minutis-
simis, cylindricis, continuis, hyalinis.
Hab. in foliis languidis Populi canescentis in horto bota-
nico Parma Ital. bor.
60. **Glæosporium dubium** Bäuml. F. Schemn. pag. 8. — Maculis hy- 6782
pophyllis, exaridis, sordide griseis, variis; acervulis cuticula velatis
dein erumpentibus, fuscis, e rotundo angulosis, gregariis; conidiis
ovato-oblongis vel obpiriformibus non vel lenissime constrictis, 16-
22 \approx 6-8, hyalinis; basidiis hyalinis, 4-6 \approx 3.
Hab. in foliis Populi tremulæ pr. Prencow Hungariæ.
61. **Glæosporium Taxi** (Duby) Karst. et Har. Journ. Bot. 1890, p. 361, 6783
Sphæria Duby Bot. Gall. II, pag. 705. — Acervulis amphigenis,
gregatim sparsis vel parallelis, emergentibus, rotundatis, ovoideis
vel elongatis, epidermide nigrificata velatis, dein rimose apertis,
disco pallido vel rufescente-pallido, circ. 0,3 mm. diam.; conidiis
cylindræis, hyalinis, 3-4 \approx 0,5; basidiis subnullis.
Hab. ad folia Taxi in Gallia (DE CANDOLLE).
62. **Glæosporium Araucariæ** Karst. et Har. Journ. Bot. 1890, p. 360. 6784
— Acervulis sparsis, epidermide tectis, ovatis, oblongatis vel sub-
orbicularibus, depressis, atratis, 0,1-0,4 mm. diam.; conidiis oblon-
gis vel elongatis, subfusoideis, rectis, granuloso-farctis, hyalinis,
15-21 \approx 5-8; basidiis fasciculatis, simplicibus, 5-10 μ . long.

Hab. ad folia *Araucariæ* e Nova Caledonia, in calidariis Musei parisiensis Galliæ.

63. **Glæosporium Encephalarti** Cooke et Mass. Grev. XVI, p. 102. — 6785

Acervulis sparsis, numerosis, epidermide elevata, brunnea vel nigra tectis, centro pertuso, pallido; conidiis ellipsoideis, continuis, hyalinis, $8 \approx 5$.

Hab. in foliis *Encephalarti horridi*, Kew Britanniaë.

64. **Glæosporium Denisoni** Sacc. et Berl. Misc. Myc. II, pag. 10. — 6786

Acervulis gregariis, minute pustulatis, epidermide demum vix perforata tectis, intus lutescentibus; conidiis oblongo-cylindræis, utrinque obtusiusculis, leniter curvis, $6-8 \approx 1-5$, interdum 2-guttulatis, hyalinis; basidiis bacillaribus, simplicibus, raro furcatis, $20-24 \approx 1,5$, e basi stromatica, minute cellulosa, fuligineo-ochracea oriundis.

Hab. in epicarpio *Encephalarti* (*Macrozamiæ*) *Denisoni* in Queenslandia (F. MUELLER).

65. **Glæosporium glaucum** Cooke et Mass. Grev. XVI, p. 75. — Ma. 6787

Maculis suborbicularibus, epiphyllis vel amphigenis, glaucescentibus, subfarinosis; acervulis minutis; conidiis profusis, mox extrusis, stratum effusum farinaceum efformantibus, globosis, hyalinis, $6-7 \mu$. diam.

Hab. in foliis vivis, Brisbane Australiaë (BAILEY).

66. **Glæosporium albi-macula** Speg. F. Puigg. n. 444. — Maculis or- 6788

bicularibus, amphigenis, albis, determinatis, 3-20 mm. diam.; acervulis minutis, epiphyllis, fuscis, $120-150 \mu$. diam.; conidiis ellipsoideo-obovatis, hyalinis, $14-16 \approx 6-7$.

Hab. ad folia subcoriacea plantæ cujusdam ignotæ in nemorosis prope Apiahy Brasiliæ.

67. **Glæosporium marginale** Speg. Guar. I, p. 157. — Maculis strictis, 6789

$0,5$ mm. lat., ad marginem folii insertis, determinatis, albo-griseis, zona rugulosa, obscure fulvescente limitatis; acervulis dense sparsis, atris, subcutaneis, orbicularibus, $120-150 \mu$. diam., sæpe confluentibus; conidiis ellipsoideis vel ovoideis, $10-13 \approx 5-5,5$, utrinque latissime rotundatis, hyalinis, nubilosis; basidiis papilliformibus, $5-6 \approx 3-4$, acrogenis.

Hab. in foliis plantæ non indicatæ in Brasilia.

II. In Dicotyledoneis herbaceis.

68. **Glæosporium Argemones** E. et E. Journ. Myc. 1887, p. 129. — 6790

Maculis amphigenis, definitis, suborbicularibus supra sordide gri-

seis, subtus atro-purpureis et subzonatis, sæpius circ. 0,5 cm. diam., margine subelevato, angusto cinctis; acervulis minutis, sparsis, subtus sæpius erumpentibus; conidiis in massas minutas, flavidas, succineas expulsis, subcylindræis, arcuatis, hyalinis, granulosis, guttulatis, sæpius uno apice angustioribus, 22-40 \approx 2,5-3.

Hab. in foliis vivis Argemones platyceratis, Manhattan, Kansas Amer. bor. (W. T. SWINGLE).

69. **Glæosporium microscopicum** Karst. et Har. Journ. Bot. 1889, 6791 p. 207. — Maculis nullis; acervulis sparsis, subcutaneo-erumpentibus, rotundatis, minutissimis, vix 0,1 mm. lat., fuliginæis v. succineis, dein apertis, intus pallidis; conidiis fusoidæo-bacillaribus, curvulis, vulgo guttulis minutis præditis, hyalinis, 20-30 \approx 2-4; basidiis non visis.

Hab. ad carpella arida Camelinae silvestris in Arvernia Gallia.

70. **Glæosporium cladosporioides** Ell. et Halst. Journ. Myc. 1890, 6792 p. 34. — Acervulis subepidermicis, fere nigris, circ. 35 μ . diam., subepidermicis, gregariis; hyphis fasciculatis, continuis, supra dentatis, hyalinis, dein brunneis; conidiis oblongis, hyalinis, vix guttatis, 10-14 \approx 3,5-4,5.

Hab. in caulibus et foliis Hyperici mutili, Metuchen, N. J. Amer. bor.

71. **Glæosporium Gei** Trail Suppl. Myc. Scot. n. 3050. — Acervulis 6793 brunneis, 200-300 μ . diam., sparsis, poro dehiscentibus; conidiis numerosissimis, hyalinis, fusoidæis v. ellipsoideis acutis, 7-9 \approx 2-2,5, rectis curvulisve, continuis, hyalinis vel 2-guttatis; basidiis stipatis, tenuibus.

Hab. in caulibus emortuis Gei urbani pr. Aberdeen Scotia.

72. **Glæosporium Glottidii** Ellis et Mart. in Journ. of Myc. 1885, 6794 p. 114. — Maculis margine purpurascenti obscure limitatis; acervulis sparsis, numerosis, siccitate atris, suborbicularibus, 250 μ . diam.; conidiis forma variis, ovoideis, oblongis et cylindræis, 1-3-nucleatis, longioribus subinde curvulis, 9-16 \approx 3; basidiis brevibus, gracilibus, conidiorum breviorum longitudinem æquantibus.

Hab. in fructibus Glottidii floridani, Florida Amer. bor. (PROF. F. L. SCRIBNER).

73. **Glæosporium Morianum** Sacc. in Mori Enum. dei Funghi di Modena Giorn. Bot. Ital. 1886, n. 1, p. 23. — Acervulis gregariis, epiphyllis, rarius hypophyllis, punctiformibus, fuscescentibus, 100-120 μ . diam., diu epidermide velatis, centro translucetibus; conidiis ob-

longo-cylindræis, utrinque rotundatis, rectiusculis, 6-7 \approx 1,5, hyalinis; basidiis fasciculatis, filiformibus, subflexuosis, 10-14 \approx 1,5, subhyalinis.

Hab. in foliis languidis Medicaginis sativæ, maculas ochraceas efformans, in Italia bor. (MORI).

74. **Glæosporium Medicaginis** E. et K. Journ. Myc. 1888, p. 104. — 6796

Acervulis sparsis, innatis, nigricantibus, majusculis, amphigenis, sed supra magis prominulis, subtus apertis; conidiis oblongis, cylindræis, granulosis, subhyalinis, sæpius medio distincte angustatis, 15-20 \approx 3-4.

Hab. in foliis petiolis et stipulis Medicaginis sativæ, Manhattan, Kansas Amer. bor.

75. **Glæosporium Viciæ** Fautrey et Roum. Rev. Myc. 1890, p. 168. 6797

— Acervulis subcutaneis, læte roseis; conidiis concoloribus, irregularibus, circ. 16 \approx 12; basidiis non visis.

Hab. in caulibus siccis Viciæ Craccæ, Noidan Côte-d'Or Galliæ (F. FAUTREY).

76. **Glæosporium Phaseoli** Rich. Cat. Champ. Marn. n. 1809. — 6798

Acervulis oblongo-ovoideis, pedicellatis, epidermide brunnea, parce pilosis.

Hab. in leguminibus et caulibus Phaseoli, St.-Amand Galliæ.

77. **Glæosporium ramosum** Ell. et Ev. Journ. Myc. 1889, p. 154. — 6799

Maculis orbicularibus, flavido-albis, circ. 1 mm. diam.; acervulis innatis, solitariis v. 2-4 in quaque macula, supra subprominulis et nigris; conidiis oblongo-cylindræis, subcurvis, obtuse acuminatis, granulosis, continuis, 12-22 \approx 3-3,5; basidiis crassis, ramosis, conidio æquilongis.

Hab. in foliis et caulibus Polygalæ polygamæ, Newfield N. J. Amer. bor.

78. **Glæosporium Helichrysi** Wint. in Hedw. 1885. — Acervulis am- 6800

phigenis, subcutaneis, demum rimose erumpentibus, applanatis, maculas minutas, rotundato-angulatas, atras, nitidas, zona indeterminata, lutea, sublata circumdatas, sæpe confluentes, 1 $\frac{1}{4}$ -1 $\frac{3}{4}$ mm. latas formantibus; conidiis breve cylindricis, utrinque rotundatis, continuis, hyalinis, 14-20 \approx 4-5, basidiis brevibus, subcylindricis, hyalinis suffultis.

Hab. ad folia subviva Helichrysi (petiolati?), Somerset-East, Prom. Bon. Spei (MAC-OWAN).

79. **Glæosporium subglobosum** Cooke et Mass. Grev. XVI, p. 3. — 6801

Epiphyllum; acervulis sparsis, pallidis, inconspicuis; basidiis bre-

vibus; conidiis subglobosis, in massam gelatinosam erumpentibus, 10 = 8.

Hab. in foliis *Goodeniæ ovatæ*, Victoria Australiæ (F. CAMPBELL).

80. **Glæosporium Epilobii** Pass. Fung. Gall. nov. in Jour. d'Hist. nat. 6802

— Bord. 1885, n. 4, p. 55. — Maculis brunneis, versiformibus; acervulis minutis, subcutaneis; sporulis phomatoideis, biguttulatis, 5 = 1½, hyalinis.

Hab. in foliis *Epilobii angustifolii* in hortis cultis prope Saintes in Gallia (BRUNAUD).

81. **Glæosporium Rhinanthi** Karst. et Har. Journ. Bot. 1890, p. 361. 6803

— Acervulis sparsis, epidermide velatis, dein per eam fissam erumpentibus, elongatis v. ovoideis, nigrescentibus, ambitu fuligineo, nucleo pallido, circ. 0,2 mm. lat.; conidiis fusoideo-elongatis, rectis, guttulatis, hyalinis, 9-15 = 2-3; basidiis filiformibus, fasciculatis, simplicibus, curvatis, 21-30 = 0,5-1.

Hab. ad caules *Rhinanthi hirsuti* Méry-sur-Seine Galliæ.

82. **Glæosporium æcidiophilum** Speg. Guar. I, p. 156. — Maculis epi- 6804

phyllis v. ramuliculis, minutis, 0,5-1 mm. diam., fuscescentibus, vix manifestis, effuso-indeterminatis; acervulis 2-5 stipatis, e globoso difformibus, 80-90 μ . diam., pulvinatis, epidermide velatis, vix perspicuis; conidiis ellipsoideis, rectis v. inæquilateralibus, 10 = 2,5, utrinque subtruncato-rotundatis (an catenulatis?), hyalinis, in basidiis filiformibus, crassiusculis, 12-20 = 1,5-2, hyalinis, acrogenis.

Hab. ad folia viva et ramos *Hyptidis* sp. cujusdam, socio *Æcidio Gibertii* pr. Arroyo-Guazù in silva Caa-Guazù Brasiliæ. — Forte in *Æcidio* parasiticum.

83. **Glæosporium pruinorum** Bäuml. Myc. Not. p. 2. — Maculis pul- 6805

vereo-cinereis, fusco-cinctis; acervulis hypophyllis, 0,2-1 mm. diam.; conidiis exsiliantibus et macularum superficiem densissime cinereo-pruinosa efficiantibus, rectis v. subrectis, utrinque rotundatis, guttulatis v. nubiosis 14-18 = 3-4, hyalinis; basidiis 10 = 2, hyalinis.

Hab. in foliis vivis *Veronicæ officinalis* pr. Pressburg Hungariæ.

84. **Glæosporium Vincetoxici** Fautrey Rev. Myc. 1890, p. 23. — Acer- 6806

vulis numerosissimis, gregariis, minutis, oblongis, 10-13 = 7-10, erumpentibus; conidiis cylindræis, utrinque attenuato-rotundatis, curvis, guttatis, 32-35 = 3-4; basidiis simplicibus, brevibus, 8-10 = 3.

Hab. in caulibus vetustis *Vincetoxici officinalis*, Fiches de Charny, Côte-d'Or Galliæ (F. FAUTREY).

85. **Glæosporium Chenopodii** Kast. et Har. Journ. Bot. 1889, p. 207. 6807

— Maculis nullis; acervulis sparsis, applanato-disciformibus, epidermide nigrificata tectis, dein denudatis, pallidis, orbicularibus v. oblongatis, 0,2 mm. lat.; conidiis ellipsoideis, eguttatis, $9-8 \approx 3-4$.

Hab. ad caules emortuos *Chenopodii albi* in Arvernia Gallie.

86. **Glæosporium Achatocarp** Speg. Guar. I, p. 156. — Maculis am- 6808

phigenis, orbicularibus, 1-2 mm. diam., determinatis, primo fuscis, dein griseo-arescentibus, areola nigrescente, stricta cinctis, demum frustulatim deciduis; acervulis subcutaneis, lenticularibus, centro macularum laxè insidentibus, fuscidulis, vix perspicuis, 50-60 μ . diam., epiphyllis; conidiis cylindræis, utrinque rotundato-truncatis (an primo catenulatis?), $5-7 \approx 1$, hyalinis; basidiis nullis.

Hab. ad folia viva *Achatocarp*, sp. pr. Villa Rica Brasiliæ.

III. In Monocotyledoneis.

87. **Glæosporium nubilosum** Pass. Diagn. F. N. IV, p. 14. — Acer- 6809

vulis sparsis v. laxè gregariis, subcutaneis, fuscis, epidermidem pustuliformi-sublevatam vix centro perforantibus; conidiis ovalibus v. amygdaliformibus, 1-2-guttulatis, nubiosis, hyalinis, $8-10 \approx 5-6$; basidiis obscuris.

Hab. in rachi *Phœnicis dactyliferæ*, Ceresolo prope Rapallo, Genova Ital. bor. (G. M. MOLFINO).

88. **Glæosporium Allescheri** Bresad. in Allesch. et Schnabl. F. Bav. 6810

n. 191. — Acervulis dense gregariis, pulvinato-depressis, ovatis v. elongatis, fuscis, nucleo humectato albido-griseo, 0,5-2 mm. long., subcutaneo-erumpentibus; basidiis dense fasciculatis, ramosis, septatis, 60-100 μ . long., sursum hyalinis, 3 μ . cr., deorsum 6-7 μ . cr.; conidiis hyalinis, subcylindræis, utrinque obtusis, $13-16 \approx 4$.

Hab. in caulibus emortuis *Chamædoræ elatiore*, in horto botanico Monacensi (ALLESCHER). — *Gl. sphærelloidi* affine.

89. **Glæosporium Musarum** Cooke et Mass. Grev. XVI, p. 3. — Acer 6811

vulis innato-erumpentibus, gregariis, subroseis; conidiis elongato-ellipsoideis, utrinque rotundatis, continuis, hyalinis, $10-12 \approx 4$, intus granulosus.

Hab. in fructibus *Musæ*, Brisbane Australiæ. (BAILEY).

90. **Glæosporium yuccogenum** Ell. et Ev. Journ. Myc. 1887, p. 21. — 6812

Acervulis gregariis, parvis, erumpentibus, pallidis; conidiis cylindræis, sæpius subcurvulis, granulosus, nonnullis 1-2-guttatis, utrinque obtusis, $20-25 \approx 4-6$,

Hab. in foliis vivis *Yuccæ filamentosæ*, Columbia Mo. Amer. bor. (B. T. GALLOWAY).

91. **Glæosporium veratrinum** Allesch. in Allesch. et Schnabl. F. bav. 6813
n. 190. — Maculis nullis; acervulis epiphyllis, epidermide tectis, sparsis, gregariis vel seriatim dispositis, brunneis; conidiis cylindraceis, rectis, utrinque obtusis, fere truncatulis, plerumque 4-guttulatis, hyalinis, circ. 18-25 = 2,5-3,5.

Hab. in foliis languidis *Veratri Lobeliani*, sociâ *Phyllostictâ melanoplacâ*, Oberammergau Bavar. super. (ALLESCHER).

92. **Glæosporium paludosum** Ell. et Gall. Journ. Myc. 1890, p. 32. — 6814
Maculis amphigenis, orbicularibus vel ellipsoideis, 0,5-1 cm. diam. vel, si confluentibus, latioribus, sordide brunneis, subzonatis, margine obscuriore, subindefinito; acervulis minutis, 65-75 μ . diam., supra plerumque erumpentibus; conidiis oblongis, granulosis, 18-22 = 6-7.

Hab. in foliis *Peltandræ virginicæ*, Virginia (D. G. FAIRCHILD) et Wilmington, Del. (A. COMMONS) Amer. bor.

93. **Glæosporium Vanillæ** Cooke in Grevillea XV, pag. 18. — Epi- 6815
vel hypophyllum; acervulis gregariis, minutis, punctiformibus, epidermide nigrefacta tectis; conidiis elongato-ellipsoideis, utrinque rotundatis rectis, intus granulosis, 18-25 = 5-6.

Hab. in foliis emortuis *Vanillæ*, Antioquia Columbiae (C. PATIN).

94. **Glæosporium pallidum** Karst. et Har. Journ. Bot. 1890, p. 361. — 6816
Acervulis sparsis v. subgregariis, per epidermidem varie fissam v. circumscissam erumpentibus, lenticularibus v. planis, pallidis, circ. 0,2 mm. lat.; conidiis oblongatis, rectis, hyalinis, utrinque obtusis, 10-16 = 3-6; basidiis nullis.

Hab. ad folia *Orchideæ* cujusdam e Madagascar, cultæ in calidariis Musei parisiensis Galliae.

95. **Glæosporium Orchidearum** Karst. et Har. Journ. Bot. 1890, p. 360. 6817
— Acervulis amphigenis, epidermide fere nigrificata, dein rima elongata, nonnumquam flexuosa dehiscente velatis, difformibus, minutis; conidiis subsessilibus, fusoido-elongatis, subinde inæqualibus, rectis, hyalinis, 20-25 = 5-7.

Hab. ad folia *Orchideæ* cujusdam, Mexico.

96. **Glæosporium minimum** Karst. et Har. Journ. Bot. 1890, p. 360. 6818
— Acervulis sparsis, amphigenis, suborbicularibus, perithecioides, epidermide subnigrificata, dein rimose dehiscente v. circumscisso-soluta velatis, discoideis, atratis, punctiformibus; conidiis fusoido-

elongatis, rectis, continuis, hyalinis, 9-11 \approx 2; basidiis simplicibus, continuis, 20-25 μ . long.

Hab. ad folia *Anthurii Hookerii* e Brasilia, culti in calidariis Musei parisiensis Gallie.

97. **Glæosporium Epicladii** Cooke et Mass. in Grev. XIX, p. 92. — 6819

Maculis irregularibus, nigris; acervulis centro maculis insertis, poro centrali, pallido donatis; conidiis in massam aurantiam, subgelatinosam exeuntibus, fusoides, obtusis, hyalinis, 22-25 \approx 9-10, granuloso-farctis.

Hab. in *Cladio tetraquetro*, Port Phillip Australiae (C. FRENCK).

IV. In Acotyledoneis.

98. **Glæosporium leptospermum** Peck 43 Rep. p. 32. — Maculis fla- 6820

vidis minutis, irregularibus, subindeterminatis; acervulis amphigenis, minutis, rotundis, oblongis vel irregularibus, erumpentibus, brunneis vel nigricantibus; conidiis subcylindratis, leviter acutatis, hyalinis, 20-25 \approx 4.

Hab. in frondibus vivis *Pteridis aquilinæ*, Sevey Amer. bor. — Conidiis angustis ad *Cylindrosporium* vergit.

99. **Glæosporium Phegopteridis** Frank Krankh. Pfl. p. 611. — Ma- 6821

culis irregularibus, brunneis; acervulis hypophyllis; conidiis in massam albidam exeuntibus, subinæquilateraliter ovatis, subtus truncatis, supra subfalcatis, conico-acuminatis, continuis, hyalinis.

Hab. in frondibus *Phegopteridis* in Helvetia.

99. **Glæosporium Equiseti** Ell. et Ev. Journ. Myc. 1888, pag. 52. — 6822

Acervulis 1 mm. lat., subconfluentibus, cuticula nigrificata, mox, margine excepto, albescente tectis; conidiis cylindratis, subcurvis, multiguttatis, 25-35 \approx 3, in massas succineas expulsis.

Hab. in caulibus vivis *Equiseti levigati*, Grape Creek Columbiae Amer. bor. (Rev. C. H. DEMETRIO).

100. **Glæosporium Harioti** Sacc. *Glæosporium Equiseti* Karst. Rev. 6823

Myc. 1890, n. 47, nec E. et Ev. — Acervulis sparsis, irregularibus, vulgo rotundatis, innatis, depressis, sub epidermide nidulantis, brunneis, circ. 150 μ . lat.; conidiis ellipsoideis, continuis, chlorino-hyalinis, eguttulatis, 12-18 \approx 6-7; basidiis brevissimis.

Hab. ad caules *Equiseti hyemalis* emortuos in Arvernia Gallie (P. HARIOT).

MYXOSPORIUM Link — Syll. III, p. 722.

1. **Myxosporium microsporum** Cooke et Hark. in Grev. XIII, p. 113. 6824
— Acervulis laxè gregariis, subcutaneo-erumpentibus, transverse-oblongis, vix 1 mm.; conidiis ovoideis, rectis, hyalinis, 4×3 .
Hab. in ramis Piri in California (HARKNESS).
2. **Myxosporium tumescens** Bomm. Rouss. Sacc. Contr. Myc. Belg. 6825
— IV, p. 90. — Acervulis subepidermicis, dein erumpentibus, solitariis vel 2-3-gregariis, pulvinatis, nigricantibus; conidiis hyalinis, cylindræo-ellipsoideis, $10-12 \times 4-5,5$, biguttatis, in cirrum griseolum sæpe ejectis.
Hab. in ramulis Cratægi Oxyacanthæ, socio *Phacidio verecundo*, cujus forte status conidicus, Groenendael Belgii.
3. **Myxosporium Mespili** Karst. et Har. Journ. Bot. 1890, p. 361. — 2826
— Acervulis epidermide demum fissa tectis, orbicularibus, pallidis, dein fuscescentibus, applanatis, minutis; conidiis oblongatis vel clavulato-oblongatis, intus granulosis, hyalinis vel subhyalinis, rectis, $20-26 \times 7-10$; basidiis filiformibus, circ. $20 \times 2-4$.
Hab. in ramis Mespili prope Paris Galliæ (TULASNE).
4. **Myxosporium Robiniæ** Karst. et Har. Journ. Bot. 1890, p. 362. 6827
— Acervulis sparsis, disciformibus, epidermide demum scissa tectis, pallidis, circ. 0,8 mm. lat.; conidiis oblongatis, eguttulatis, hyalinis, 3×1 .
Hab. ad ramos emortuos Robiniæ, Méry-sur-Seine Galliæ.
5. **Myxosporium propinquum** Sacc. Bomm. et Rouss. Fl. myc. Belg. II, 6828
— pag. 44. — Acervulis primo subepidermicis, dein erumpentibus, sparsis vel geminatis, leniter prominulis, centro depressis, griseolis; conidiis ovoideo-oblongis, basi attenuatis, $25-36 \times 10-12$, hyalinis, granulosis demum raro simulate 1-septatis, basidio diu hærentibus; basidiis sursum tenuatis, subinde inæqualibus vel flexuosis, 24×6 .
Hab. in truncis et ramulis Ilicis Aquifolii, Ixelles Belgii.
— *M. griseo* affine.
6. **Myxosporium Nielianum** Karst. et Roum. Rev. Myc. 1890, n. 47. 6829
— Acervulis subgregariis, depressis, epidermide dein varie fissa, subinde nigricata tectis, linea nigra orbiculari vel flexuosa circumscriptis, 1-2 mm. latis; conidiis oblongatis vel subellipsoideis, 2-guttulatis, hyalinis, $6-7 \times 2-3$; basidiis brevissimis.
Hab. ad ramos emortuos Ilicis Aquifolii, St.-Aubin prope Bernay (Eure) in Gallia (EUG. NIEL).

7. **Myxosporium Aquifolii** Fautr. Rev. Myc. 1891, p. 132. — Acer- 6830
vulis erumpentibus, epidermide rupta cinctis; conidiis ovoideis, ob-
longis, 12-15 \approx 4-5.
Hab. in ramis siccis Ilicis Aquifolii, Noidan, Côte-d'Or
Galliæ (F. FAUTREY).
8. **Myxosporium Mollerianum** Bres. Fung. Lusit. p. 7. — Acervulis 6831
dense gregariis, $\frac{1}{4}$ -1 mm. lat., discoideis v. obovatis, variantibus,
applanatis, e roseo fusco-purpurascens; conidiis cylindræis,
ad latera paullulum depressis, inferne attenuato-subpapillatis, 2-
guttatis, 14-18 \approx 5-6; basidiis fasciculatis, clavatis, rectis, raro sub-
curvatis, 10-12 \approx 3,5-4.
Hab. in ramulis Cocculi laurifolii in horto botanico, Coim-
bra Lusitaniæ (MOLLER).
9. **Myxosporium pubescens** (Riess) Sacc., *Achroomyces pubescens* 6832
Riess in Bot. Zeit. 1853, p. 136, t. III, f. 21-23. — Subrotundum,
pulvinatum, pallidum; fibris (basidiis?) continuis, in fungo exsoleto
pubescenti-prominulis; conidiis obtusis, rectis vel parum curvatis,
nucleolis plerumque farctis.
Hab. in ramulis emortuis Tiliæ in Germania. — «Verisimi-
liter a genere *Myxosporio* removendum et genus *Achroomyces*
servandum».
10. **Myxosporium tumidum** (Bon.) Sacc. Syll. III, p. 727. — Sec. Ou-
dem. Contr. Myc. Pays-bas XIII, p. 56, species nascitur quoque in
ramis Alni glutinosæ, Bois de la Haye Nederlandiæ et præbet
conidia cylindræa, utrinque rotundata, curvula, 2-3-guttulata, 16-
20 \approx 3-3,5.
11. **Myxosporium melanotrichum** (Cast.) Sacc., *Næmaspora* Cast. Cat. 6833
Pl. Mars. II, p. 57. — Acervulis minutis, remotis, distantibus, ro-
tundatis, convexis, nigro-micantibus; conidiis ovatis, utrinque sub-
acutis, hyalinis, continuis, 5-6 \approx 1 $\frac{1}{4}$ -1 $\frac{1}{2}$, in cirros nigros, tenuis-
simos, 1-1,5 mm. long. 50 μ . cr., tortuosos, ramosos exeuntibus.
Hab. in cortice sicco Salicis albæ pr. Marseille Galliæ.
12. **Myxosporium rimosum** Fautr. Rev. Myc. 1891, p. 132. — Acer- 6834
vulis subcutaneis, per rimas numerosas, plerumque longitudinales
erumpentibus; conidiis oblongis, attenuatis, obtusis, 10-14 \approx 5-5,5.
Hab. in ramulis Populi tremulæ, Côte-d'Or Galliæ (F.
FAUTREY).
13. **Myxosporium pallidum** Fautr. Rev. Myc. 1891, p. 132. — Acer- 6835
vulis subcutaneis, magnis, in cirrum crassum, sordide album erum-
pentibus; conidiis ovoideis, oblongis, 12-15 \approx 4,5.

- Hab.* in ramulis *Quercus* Noidan, Côte-d'Or Galliæ (F. FAUTREY).
14. **Myxosporium sanguineum** Fuck. Symb. p. 230. — Acervulis pustulatis, 2 mm. latis, 1 mm. crassis, hemisphæricis, sub epidermide demum fissa nidulantibus, sanguineis; conidiis in basidiorum ramosorum apicibus, oblongis, vix curvatis, utrinque obtusis, 20 \approx 3, simplicibus, hyalinis. 6836
- Hab.* in ramis emortuis *Ulmi campestris* prope Hattenheim in Rhenogovia. — «An huc ducendum *M. Ulmi* Oud.?»
15. **Myxosporium phomoides** Karst. et Har. Journ. Bot. 1890, p. 361. 6837
— Acervulis sparsis, solitariis, raro connatis, cortice innatis, pustulas superficiales, minutas, demum ruptas formantibus, rotundatis, perithecioides, primitus pallidis, dein fuligineo-atro-limitatis, circ. 0,3 mm. lat.; conidiis ellipsoideis, interdum medio contractis v. irregularibus, intus granulosis, membrana crassiusculis, hyalinis v. subflavescenti-hyalinis, 20-30 \approx 10-14; basidiis bacillaribus, 5-15 μ . long.
- Hab.* in corticibus, Chili (CL. GAY).
16. **Myxosporium Viciæ** Fautrey in Rev. Myc. 1890, p. 168. — Acervulis subcutaneis, læte roseis; conidiis concoloribus, irregularibus, sæpius 16 \approx 12; basidiis non visis. 6838
- Hab.* in caulibus siccis *Viciæ Craccæ*, Noidan, Côte-d'Or Galliæ (F. FAUTREY).

HYPODERMIUM Link. — Syll. III, p. 728.

1. **Hypodermium Orchidearum** Cooke et Mass. Grev. XVI, p. 48. — 6839
Acervulis erumpentibus, linearibus vel anguste oblongis, epidermide fissa cinctis; conidiis cylindræis, utrinque rotundatis, concatenatis, continuis, intus granulosis, hyalinis, 25-27 \approx 5; basidiis crassis, brevibus.
- Hab.* in foliis *Cymbidii eburnei* culti, Kew London Brit.

BLENNORIA Fr. — Syll. III, p. 730.

1. **Blennoria patagonica** Speg. F. Pat. n. 177. — Acervulis sæpius 6840
hypophyllis, laxè gregariis v. sparsis, erumpentibus epidermideque laciniata cinctis, compactiusculis, udis irregulariter patellari-aper-tis, disco tumido fuscescente, siccis ruguloso-contractis, sordide argillaceo-fuscis, 250-400 μ . diam., basidiis non visis; conidiis e strato prolifero, carnosulo, fulvo-fusco, dense minutissimeque celluloso,

catenulatim exsurgentibus, simplicibus, bacillaribus, 15-20 \approx 1-1,5, utrinque truncatis, hyalinis.

Hab. vulgatissima ad folia dejecta putrescentia Berberidis heterophyllæ prope Rio S. Cruz et Callego nec non Gregory bay, Punta Arenas, Fuegiæ.

TRULLULA Ces. — Syll. III, p. 731.

1. **Trullula Junci** Cooke et Hark. in Grevillea. — Acervulis orbicularibus, convexis atris, minutis, erumpentibus; conidiis cylindræis v. subfusiformibus, nucleatis, continuis hyalinis, e basidiis brevissimis radiantibus, 20-25 \approx 4. 6841

Hab. in culmis Junci in California (HARKNESS).

2. **Trullula dothideoides** Sacc. et Berl. Misc. Myc. II, p. 134, t. IX, f. 33. — Acervulis perithecioides, subsparis, convexis, erumpentibus, atris, compactis, $\frac{3}{4}$ mm. diam.; basidiis dense fasciculatis, furcato-ramosis, prælongis, hyalinis in conidia cylindrica utrinque truncata, hyalina, 10-12 \approx 4 dilabentibus. 6842

Hab. in cortice Ulmi campestris dejecto prope Teolo Eugeneorum Ital. bor.

3. **Trullula phyllostictoides** Speg. F. Puigg. n. 448. — Maculis amphigenis, orbicularibus determinatis, superne cinerescenti-albidis, inferne subfulvescentibus, acervulis hemisphæricis, 180-200 μ . diam. primo tectis, dein erumpentibus, sparsis, olivaceis; conidiis cylindræis, 4-5 \approx 2, utrinque truncatis, catenulatis, subolivaceis; basidiis simplicibus, 15-20 \approx 1, dense fasciculatis. 6843

Hab. ad folia viva Myrtaceæ cujusdam in dumetis pr. Apiahy Brasilæ.

4. **Trullula Tehuelches** Speg. F. Pat. n. 178. — Peritheciis sparsis v. gregariis, innato-erumpentibus, hemisphærico-subcupulatis, 90-100 μ . diam., atris, glabris, rugulosis, contextu epithecii subcarbonaceo, externe atro interne subviolascente, subindistincte parenchymatico; basidiis fasciculatis, articulato-nodulosis, parce ramulosis, hyalinis, longitudine variis; conidiis acro-pleurogenis, catenulatis, cylindræis, utrinque truncatis, ac 1-guttulatis, 3-6 \approx 1, hyalinis. 6844

Hab. ad ramulos emortuos Lepidophylli cupressiformis in meseta secus Rio Gallego Patagoniæ. — Species pseudoperitheciolorum præsentia, melius forte inter subcupulatas (sub *Godriomella!*) adscribenda.

COLLETOTRICHUM Corda. — Syll. III, p. 735.

1. **Colletotrichum Brassicæ** Schulz. et Sacc. in Rev. Myc. 1884, Schulz. 6845
Ill. fung. Slav. n. 187. — Gregarium vel cæspitosum, minutum, atrum; acervulis pulvinatis, subsuperficialibus, setulis filiformibus, rigidulis, subcontinuis, fuligineis cinctis; conidiis fusoides, curvulis, 19-24 μ . longis, hyalinis; basidiis bacillaribus, fasciculatis, conidium æquantibus.

Hab. in caule putrescente Brassicæ oleracæ v. caulocarpæ, prope Vinkovce Slavoniæ.

2. **Colletotrichum Pisi** Pat. Bull. Soc. Myc. 1891, pag. 180, tab. XI, 6846
f. IV. — Maculis ovatis v. rotundis, 5-8 mm. lat., epicarpicis, sordide albidis, linea brunnea cinctis; acervulis 100-150 μ . diam., erumpentibus, laxe gregariis; setulis numerosis, brunneis, erectis, acervuli margine insitis, apice cuspidatis, basi inflatis, 60-90 \times 6 v. sæpius 30-40 \times 6; conidiis hyalinis, fusoides, utrinque acutatis, rectis curvulisve, 2-guttulatis, 11-13 \times 3-4.

Hab. in leguminibus Pisi sativi, Quito Amer. centr. — Sec. cl. Pat. l. c., *Septoria Leguminum* Desm. Exs. ed. I, n. 1336, eadem est ac *Collet. Lindemuthianum* (Sacc. et Magn.) Br. et C. quod inde *C. Leguminum* (Desm.) Pat. nuncupandum est; sed *Sept. Leguminum* in Syll. III, p. 559, ex Passer., Sept. p. 26, certe diversa est et nomen idem suum (*S. Leguminum* Pass. [nec Desm.]) servare potest.

3. **Colletotrichum carpophilum** Kell. et Swingle Journ. of Myc. 1888, 6847
p. 44. — Maculis orbicularibus, depressis, sæpe confluentibus et legumina late ambientibus, 0,5-1 cm. diam., brunneis, centro pallidis, vulgo rubenti-marginatis; acervulis numerosis, confertis, atris, applanatis, magnitudine varia, setulis sat copiosis, atris, curvulis, apice tenuatis, 60-100 \times 5-6; conidiis fusoides-curvulis, utrinque acutis, 16-22 \times 2,5-4, plerumque 18-21 \times 3-3,5, nucleatis.

Hab. in leguminibus vivis Astragali caryocarpi, Manhattan Kans. Amer. bor.

4. **Colletotrichum Malvarum** (A. Br. et Casp.?) Southw. Journ. Myc. 6848
1890, p. 116, *Colletotrichum Althææ* Southw. Journ. Myc. 1890, p. 45, t. III. — Maculis epiphyllis v. cauliculis, flavido-brunneis; setulis atro-brunneis, copiosis, 1-2-septatis, sæpius hyalinis, 60-109 \times 3-5; conidiis oblongis, granulosis, hyalinis, coacervatis carneis, 11-28 \times 5; basidiis hyalinis, cylindræis, conidio sublongioribus,

Hab. in caulibus et foliis *Althææ* et *Sidæ*, New York, New Jersey et Manhattan Amer. bor. — Verisimiliter idem est ac *Stei-rochæte Malvarum* A. Br. et Casp., quæ tamen nonnullis notis (si exacte descripta) recederet.

5. **Colletotrichum Gossypii** Southw. in Journ. Myc. 1890, pag. 101, 6849 t. IV et 1891, p. 175, t. 17-18. — Acervulis epidermidis fragmentis demum cinctis; setis discretis vel cæspitosis, basi atro-brunneis, apice subhyalinis, septatis, raro ramosis; conidiis irregulariter oblongis, plerumque 1-guttatis, hyalinis, coacervatis carneis 11-20 \approx 4,5-5,5; basidiis hyalinis, crassiusculis conidio longioribus, 12-28 \approx 5, rarissime ramosis.

Hab. in omnibus partibus *Gossypii*, cui valde noxium, in Amer. bor. pluribus locis. — Setæ quoque non raro apice conidia gerunt.

6. **Colletotrichum oligochætum** Cav. Mat. Lomb. p. 21, t. II, f. 4. — 6850 — Maculis epiphyllis, subcircularibus, luteo-ochraceis, eximie concentricè zonatis; acervulis minutis, sparsis, sessilibus, albo-carneis; setulis 1-3 rigidis, olivaceis, 1-2-septatis, basi inflatulis, apice obtusulis 60-70 \approx 5-7; basidiis fasciculatis brevibus 10-12 μ . long.; conidiis continuis, cylindræis v. ovatis, sæpius medio constrictis, utrinque vel uno apice obtusatis, hyalinis, 13-15 \approx 4-5.

Hab. in foliis primordiis caulibusque *Lagenariæ vulgaris* in horto botanico Pavia Italiæ.

7. **Colletotrichum sphaeriæforme** Passer. Diagn. F. N. IV, n. 129. — 6851 — Pseudoperitheciis gregariis vel crebre sparsis, convexo-pulvinatis, discoideis vel ovalibus, atris, nitidis, epidermide vix centro fissa tectis, basi cellulis fuliginæis parenchymaticis chloro-jodureti zinci ope brunneo-cærulescentibus contextis et setis crassis erectis, 50-90 \approx 7-15 vel usque ad 112 μ . longis, subclavatis, rectis vel curvulis aut toruloso-gibbosis, continuis, simplicibus vel furcatis, atris, apice pellucidis, obvallatis; conidiis elongato-subclavatis vel subfusiformibus, ut plurimum continuis, quandoque spurie bi-triseptatis, hyalinis, circiter 10 μ . long.; basidiis subæquilongis tenuibus strictis, dense fasciculatis fuscidulo-rufescentibus.

Hab. in ramis emortuis *Menispermis canadensis* in horto botanico Parma. — Ob conidia interdum spurie septata a genere aliquantum desciscit.

8. **Colletotrichum Spinaciæ** Ell. et Halst. Journ. Myc. 1890, p. 34 et 6852 in Bull. New Jers. n. 70. p. 6 c. ic. — Maculis rotundis, sordide albidis v. viridulis, 2-4 mm. diam., margine subelevatis; acervu-

lis amphigenis, punctiformibus, 40-75 μ . diam., setulis paucis, 3-12, patentibus, 60-75 μ . long. basi subbulbosa 4-4,5 μ . cr., supra fere hyalinis et subacutis, subtus atro-brunneis, continuis (v. vix septatis?); conidiis subfalcato-fusoideis, hyalinis, 2-4-guttatis, 14-20 \approx 2,5-3, utrinque subacutis; basidiis brevibus.

Hab. in foliis vivis Spinaciæ, Newark, N. J. Amer. bor.

9. **Colletotrichum peregrinum** Passer. Diagn. F. N. IV, pag. 14. — 6853

Maculis plus minus amplis, exaridis, fuscis; acervulis epiphyllis, sparsis vel subgregariis, tectis, dein erumpentibus, subglobosis, atris, basi setis rigidis, fuligineis, integris vel septatis, in apicem pellucidum acuminatis, circiter 75 \approx 2,5-3, cinctis; conidiis elongatis rectis, utrinque rotundatis, hyalinis, 2-3-guttulatis, integris, subinde (spurie?) medio septatis visis, 12-16 \approx 2,5-3, hyalinis; basidiis dense fasciculatis, filiformibus, fumido-pellucidis, 50 μ . circiter longis.

Hab. in foliis vivis Araliæ Sieboldii, Parma Ital. bor. —

Adest quoque *Phyllosticta* peritheciis eximie membranaceis, pertusis, sporulis eguttulatis, hyalinis, 5-6 \approx 2,5. An *Ph. disciformis* Penzig?

10. **Colletotrichum glæosporioides** Penzig, Syll. III, p. 735 — var. 6854

Hederæ Passer. Diagn. F. N. IV, p. 15. — Differt a typo setulis tortuosis semper integris inferne fuligineis, apice pellucidis, obtusis et subinde clavulatis; conidiis fusiformibus rectis vel curvulis, 18-20 \approx 5-6, hyalinis, pluriguttulatis.

Hab. in maculis arescentibus foliorum vivorum Hederæ Helicis in viridario publico Parma et Bologna.

11. **Colletotrichum ampelinum** Cav. Mat. Lomb. p. 21, t. II, f. 5. — 6855

Acervulis epiphyllis, minutis, in maculis irregularibus sparsis, epidermide cito erumpentibus, setulis 3-20 rigidiusculis, rectis v. curvulis, continuis, atro-olivaceis, apice dilutioribus, 50-150 μ . long.; conidiis cylindræis, utrinque obtusis, 2-guttatis, hyalinis, 13-14 \approx 4-5.

Hab. in foliis Vitis Labruscæ in horto botanico Pavia Italiæ.

PESTALOZZIELLA Sacc. et Ell. Syll. III, p. 737.

1. **Pestalozziella Geranii-pusilli** C. Mass. Contr. Mic. Ver. p. 103, 6856

t. III, f. 22. — Acervulis punctiformibus, hypodermeis, in maculis amphigenis, parvis, suborbiculatis, expallentibus, margine subincrassato ferrugineo-limbatis insidentibus; conidiis (haud stipitatis?)

oblongis, utrinque obtusis, 14-19 \approx 6-8, plasmate subchlorino faretis, sub apice ex uno latere setula e basi in ramis 3-5-subdichotomo-divisa ornatis, ramis setulæ longitudinem conidii sæpe adæquantibus.

Hab. in foliis Geranii pusilli, Tregnago Agri veron. — Afanis *P. subsessili*.

2. **Pestalozziella Andersoni** Ell. et Everh. Bot. Gaz. 1891, p. 48, t. VII, 6857 f. 12-14, Journ. Myc. 1889, p. 65. — Acervulis amphigenis, dense sparsis, nigris, erumpentibus, discoideis, 150-200 μ . diam.; conidiis ovato-ellipsoideis, subacutis, hyalinis, continuis, 15-22 \approx 7-10, crista irregulari, 3-4-partita, e setulis patentibus, 12-15 μ . long. formata, donatis; basidiis nullis v. obsoletis.

Hab. in foliis vivis Asclepiadis v. Apocyni, Sand Coulee, Mont. Amer. bor. (F. W. ANDERSON).

3. **Pestalozziella circularis** Cooke et Mass. Grev. XVIII, p. 80. — 6858

Pseudo-peritheciis amphigenis, circulariter dispositis, convexulis, denique irregulariter erumpentibus, brunneis, dein nigricanti-nitidulis, *Phyllachoræ* instar; conidiis elliptico-cylindræis, 30-34 \approx 8-10, hyalinis, continuis, intus granulosus, apice unisetis, basi breviter crasseque stipitatis setisque 3-4 divergentibus hyalinis ornatis.

Hab. in foliis emortuis Eucalypti parvifloræ in Australia (Mrs. MARTIN.)

4. **Pestalozziella Yuccæ** Karst. et Har. Journ. Bot. 1890, p. 362. — 6859

Acervulis gregariis, vulgo orbicularibus, epidermide dein circumscisso-soluta velatis, atris, disco pallescente, 0,2 mm. v. paullo ultra lat.; conidiis clavato-oblongatis, nonnunquam medio constrictis, continuis, hyalinis, 44-50 \approx 12-15, apice appendiculis 4, tenellis, 20 μ . circ. long. instructis.

Hab. ad Yuccam, Texas Amer. bor. (TRÉCUL).

Sect. 2. Phæosporæ.

MELANCONIUM Link — Sacc. Syll. III, p. 749.

1. **Melanconium triangulare** E. et E. in Journ. of Myc. 1886, p. 38. 6860

— Acervulis epidermide tectis, orbicularibus, parvis, stromate corticali, centro in pustulam conicam elevato; conidiis obtuse triangularibus, minutis, 5-6 μ . diam., brunneis, in massam atram coalitis; basidiis gracilibus, 15 \approx 1.

Hab. in ramulis emortuis Carpini americanæ, West Chester, Pennsylvania Amer. bor.

2. **Melanconium zonatum** Ell. et Ev. in Peck 44 Rep. p. 24. — *M.* 6861
bicolori affine sed stromate albo carens et conidiis zona pellucida
 medio notatis.
Hab. in ramis *Ostryæ virginicæ*, Clarkville Amer.
3. **Melanconium dimorphum** Peck 40 Rep. p. 62. — Acervulis pusil- 6862
 lis, subcutaneis, subprominulis, fere conicis, nigris, stromate albo
 præditis; conidiis dimorphis, aliis angustis, cylindræis, rectis vel
 curvis, 7,5-10 \approx 2, aliis oblongis, ellipsoideis v. subfusoideis, colo-
 ratis, 10-12,5 \approx 5-6,5, in massas nigras erumpentibus.
Hab. in ramis emortuis *Alni viridis*, in montibus Adiron-
 dack Amer. bor.
4. **Melanconium betulinum** S. et K. — Syll. III, p. 756 — *Didymosporium*
elevatum Lib. Crypt. IV, n. 391 (1837) ex parte, an et Lin-
 kii? — Occurrit quoque in ramis exsiccatis *Betulæ albæ* in Ar-
 duennis. Conidia ovoidea, 10-12 \approx 8-9, fuliginea.
5. **Melanconium salicinum** Ell. et Ev. in Journ. of Myc. 1886, p. 103. 6863
 — Acervulis sparsis, tuberculiformibus v. sæpe sursum truncatis,
 circiter 1 mm. diam. crassis, epidermide rupta cinctis; conidiis
 ovato-ellipsoideis, brunneis, 10-12 \approx 6-7.
Hab. in ramulis emortuis *Salicis nigræ* in America boreali
 (LANGLOIS). — Differt a *M. bicolori* matrice atque stromate albo
 nullo.
6. **Melanconium gracile** Ell. et Ev. in Journ. of Myc. 1885, pag. 44. 6864
 — Pustulis prominentibus, seriatim dispositis, in rimis longitudina-
 libus corticis, stromate minuto albescente; conidiis oblongo-cylin-
 dræis, pallide brunneis, 15-18 \approx 4-5.
Hab. in ramulis emortuis *Caryæ albæ*, Plainfield Amer. bor.
 (GEO. F. MESCUTT).
7. **Melanconium Gleditschiæ** Bacc. Cat. Fung. Avell. p. 374. — Acer- 6865
 vulis sparsis, rotundis, subcutaneis, epidermide atrata, poro aperta
 tectis; conidiis ovoideis, olivaceo-fuscis, 12 \approx 7, circa porum sæpe
 papillam atram, prominulam rarius cirrosam formantibus.
Hab. in ramis siccis *Gleditschiæ* et *Carpini* (?) pr. Avel-
 lino Ital. austr.
8. **Melanconium fuligineum** (Scrib. et Viala) Cav. Bitt. Rot. 1888, p. 4, 6866
 Berl. Due Parass. Vite p. 444, *Greeneria fuliginea* Scribner et
 Viala Compt. Rend. Sept. 1887. — Acervulis sparsis vel subinde
 gregariis, primo griseo-cinereis, dein fuligineis, epidermide tectis,
 dein rimose erumpentibus; conidiis ovoideis v. ellipsoideis, plerum-
 que navicularibus v. inæquilateralibus, utrinque acutiusculis, 9-12 \approx

4-6, haud raro 14 μ . long., olivascentibus, guttulatis; basidiis filiformibus e stromate conoideo parenchymatico albido oriundis, longiusculis.

Hab. in baccis maturescentibus *Vitis viniferæ* in Amer. bor. (SCRIBNER) ubi morbum *bitter rot* causat, nec non prope Vittorio Ital. bor. (BERLESE).

9. **Melanconium phyllostictoides** Speg. F. Puigg. n. 449. — Maculis irregulariter orbicularibus, 5-20 mm. diam., sæpe confluentibus ac totum fere folium occupantibus, determinatis, sordide fulvo-fuscescentibus, zona strictissima rufescenti-fusca cinctis; acervulis amphigenis, dense sparsis e lenticulari conoideis, 200 μ . diam., primo tectis, mox erumpentibus atris; conidiis e fronte discoideis, 6-8 μ . diam., e latere compressis, 1-guttulatis, fuligineis. 6867

Hab. ad folia viva *Xanthoxyli* speciei cujusdam in dumetis pr. Apiahy Brasiliæ. — Species pulchella conidiis *Lasmeniarum* sporulas perfecte imitantibus.

10. **Melanconium pallescens** Bäuml. Crypt. Presb. p. 27. — Acervulis minutis, 150-200 μ . lat., nigris, sub epidermide dealbata nidulantibus; conidiis ovatis, fuligineis, sæpe inæquilateralibus, 14-18 μ 7-9; basidiis hyalinis, 8 μ 3. 6868

Hab. in ramulis emortuis *Corni sanguineæ*, Pressburg Hungariæ.

11. **Melanconium Tiliæ** Peck 42 Rep. Rep. p. 31. — Acervulis subcutaneis, minutis, epidermidem vix elevantibus; conidiis ovoideis v. oblongis v. subellipsoideis, nigris, 22,5-27,5 μ 17,5-20, in massulas nigras erumpentibus. 6869

Hab. in ramis emortuis *Tiliæ americanæ*, Mechanicville Amer. bor.

12. **Melanconium foliicolum** Peck 42 Rep. p. 31. — Maculis orbicularibus, brunneis vel rubro-brunneis, margine angusto, obscuriore cinctis; acervulis hypophyllis, minutis, nigris; conidiis ellipsoideis, subcoloratis, 10-12,5 μ 7,5. 6870

Hab. in foliis vivis *Sassafras* Manor Amer. bor.

13. **Melanconium Rusci** C. et Mass. Grev. XVII, p. 3. — Acervulis sparsis, orbicularibus, erumpentibus, cuticula brunnea lacerata tectis; conidiis ellipsoideis, subolivaceis, 12 μ 7-8. 6871

Hab. in phyllodiis *Rusci aculeati*, Kew London Britannia. — A *Sphærospide Rusci* defectu perithecii etc. mox distinctum.

14. **Melanconium æcidiiforme** Pat. Bull. Soc. Myc. 1888, p. 123. — Acervulis nigris, zona alba cinctis, primo subepidermicis, dein promi- 6872

mentibus, cylindræis, 0,5-1 mm. alt., apice truncatis, stromate albo basi præditis; conidiis ovoideis v. subglobosis, nigris, opacis, 1-2-guttatis, 15-20 \approx 13-15, seriatim dispositis.

Hab. in petiolis Mauritiæ flexuosæ, Puerto-Zamuro Venezuelæ.

15. **Melanconium? bambusinum** Speg. F. Guar. nonn. n. 152. — Erumpens, 6873

lineare, dense gregarium; acervulis 1-5 mm. long. 0,3-0,4 mm. lat., rimose dehiscentibus, intus atris; conidiis subglobosis, sublimoniformibus, majusculis, obscure fuligineis, 30 \approx 20-30; basidiis (hyphis?) longis repentibus, articulatis, fumoso-olivaceis, superne sæpius uncinato-recurvis basidiisque utroque apice monosporis.

Hab. in culmis dejectis putrescentibus Bambusacæe cujusdam pr. Paraguari Brasiliæ. — Ad *Coniosporium* nutat.

16. **Melanconium stictoides** Sacc. et Paol. Myc. Mat. pag. 27, t. III, 6874

f. 7. — Acervulis epiphyllis, subsparsis, minutis, epidermide operculatim secedente, grisea, $\frac{1}{2}$ mm. diam.; conidiis e globoso ovatis, 9-10 \approx 8, uniguttatis, atro-fuligineis, basi sæpius apiculatis.

Hab. in foliis languidis v. emortuis Monocotyledoneæ verisimiliter Bambusæ vel Dracænæ, Malacca (SCORTECHINI).

BASIASCUM Cavara App. Pat. Veg. p. 11 (Etym. a *basis* basidium et *ascos* uter). — Acervuli subcutanei, mox erumpentes, crustacei. Basidia e stromate parenchymatico orta, brevissima, basi valde inflata fusca. Conidia cito decidua continua, fusca. — «An *Fusicladii* forma v. status?».

1. **Basiascum Eriobotryæ** Cav. loc. cit. f. 19-20. — Acervulis atris, 6875
epiphyllis; basidiis inflatis, obscure 1-2-septatis, 12-18 μ . longis, olivaceis pellucidis; conidiis ovato-lanceolatis, basi truncatis, medio constrictis, apice acuminatis, 16-20 \approx 6-7.

Hab. in foliis Eriobotryæ japonicæ cultæ Caserta Ital. infer.

THYRSIDIUM Mont. — Syll. III, p. 761.

1. **Thyrsidium botryosporum** Mont. — Syll. III, p. 762. — Huc du-
cenda *Moronopsis inquinans* Delacr. (nov. gen. et sp.) in Bull. Soc. Myc. 1891, p. 109 et Contr. Myc. p. 14, t. III, f. 4. — Nascitur quoque in cortice Fagi, Carpini, Juglandis et in caulibus Hyperici, Saône-et-Loire Galliæ (G. DELACROIX).

Sect. 3. Didymosporæ.

DIDYMOSPORIUM Nees. — Syll. III, p. 763.

1. **Didymosporium profusum** (Grev.) Fr. Sacc. Syll. III, p. 763, *Didymosporium elevatum* Lib. Crypt. n. 391 (1837) ex parte. Nasctur quoque in ramis Alni glutinosæ in Arduennis et Alni viridis pr. Trento. Conidia constricta, didyma, utrinque rotundata, 9-12 \times 8-9, fuliginea, septo tenui vel spurio divisa, sed crasse biguttata.
2. **Didymosporium effusum** Schw. — Syll. III, pag. 764. — Var. **distinctum** Peck 43 Rep. p. 27. — Acervulis rotundis, erumpentibus, distinctis; conidiis oblongis, oblongo-ovatis v. ellipsoideis, 1-septatis, raro 2-septatis, coloratis, 35-45 \times 15-20. 6876

Hab. in cortice emortuo Ulmi fulvæ, Copake Iron Works Amer. bor.

3. **Didymosporium sepultum** Passer. Diagn. F. N. IV, p. 14. — Acervulis subcutaneis, pulvinatis, seriatim digestis v. sparsis, epidermidem leniter sublevantibus, sed non vel vix findentibus; conidiis lanceolato-fusiformibus, medio septatis, non constrictis, olivaceis, 8-12 \times 2,5-3; basidiis filiformibus, hyalinis, conidio longioribus. 6877

Hab. in ramis Mühlenbeckiæ complexæ, Roma. — *Didymosp. Hedysari* Schw. Carol. pag. 75, *Coryneum Hedysari* Schw. Amer. bor. p. 306, sec. exempl. Ravenelii in Desmodio stricto sistit *Uromyctem Hedysari-paniculati* et in alia Desmodii specie *Parodiellam perisporioidem!*

BARKLAYELLA Sacc. n. gen. (Etym. a cl. Doct. med. ARTH. BARCLAY, anno 1891 Simlæ præmature demortuo, de studio *Uredinearum* indicarum meritissimo). — Acervuli subcutaneo-erumpentes, atris. Conidia oblonga, 1-septata, colorata, apice setis 1-3 coronata. — Genus cum *Robillarda* comparandum, sed perithecium nullum.

1. **Barklayella primaria** (Ell. et Ev.) Sacc. *Pestalozzia* E. et E. in Journ. of Myc. 1886, p. 103. — Acervulis hysteriiformibus, atris, erumpenti-superficialibus circiter $\frac{1}{2}$ mm. longis, sparsis; conidiis oblongo-cylindræis, luteo-brunneis, demum uniseptatis, setis tribus, hyalinis, radiantibus, 6-9 μ . longis, sursum attenuatis; basidiis filiformibus, 10-12 μ . longis. 6878

Hab. in Scirpo fluviatili emortuo in Louisiana Amer. bor. (LANGLOIS). — Conidia primo continua sunt.

2. **Barklayella flagellifera** (E. et Ev.) Sacc. *Pestalozzia* Ell. et Ev. 6879
 Journ. Myc. 1889, p. 156. — Acervulis numerosis, subcuticularibus, dein erumpentibus, nucleo atro-griseo; conidiis copiosis, oblongis, subcurvis, 1-septatis, flavido-hyalinis, 9-12 \approx 3, setula undulata, 25-35 μ . long., hyalina prope apicem inserta, præditis; basidiis validis, conidio subæquilongis.

Hab. in ramis *Comptoniæ aspleniifoliæ*, Newfield N. J. Amer. bor.

SEPTOMYXA Sacc. Syll. III, p. 766.

1. **Septomyxa leguminum** Karst. Hedw. 1889, p. 112. — Acervulis 6880
 gregatim sparsis, depresso-sphæroideis, subcutaneis, pallidis, demum subfuscescentibus, exiguis; conidiis oblongatis, obtusis, rectis, rarius curvulis, constricto 1-septatis, 12-18 \approx 4-5.

Hab. in leguminibus *Pisi sativi* var. *hortensis languidis* in horto mustaliensi Fenniæ.

2. **Septomyxa Carpini** Peck 44 Rep. pag. 24, tab. IV, f, 13-14. — 6881
 Acervulis subcutaneis, subprominulis, erumpentibus, intus albidis; conidiis hyalinis, anguste fusoides, 2-guttatis, demum 1-septatis, in massam subrufescentem erumpentibus.

Hab. in cortice *Carpini americanæ*, Meadowdale, Albany Amer. bor.

MARSONIA Fisch. — Syll. III, p. 767.

I. *In Dicotyledoneis lignosis.*

1. **Marsonia Juglandis** (Lib.) Sacc. Syll. III, pag. 768 — var. **Rhois** 6882
 Sacc. in Rev. Myc. 1885. — Conidiis 18-21 \times 3-4, curvato-subrostratis; acervulis conidiorum membranula anhistia sed reticulata, brunneola (non cellulosa) velatis.

Hab. in foliis *Rhois typhinæ* in Gallia (FEUILLEAUBOIS).

2. **Marsonia Toxicodendri** (Ell. et Mart.) Sacc. *Glæosporium* E. et 6883
 M. in Journ. of Myc. 1885, p. 116. — Maculis amphigenis, albescentibus, parvis, 2 mm. diam., margine lato, obscuro cinctis; acervulis sparsis, paucis, obscure coloratis; conidiis oblongis, 1-septatis, 12-15 \approx 5-6.

Hab. in foliis vivis *Rhois Toxicodendri*, Charles City, Iowa Amer. bor. (Prof. J. C. ARTHUR).

3. **Marsonia Acaciæ** C. et Mass. Grev. XIX, p. 47. — Maculis ir- 6884
 regularibus vel confluentibus, pallidis vel albidis, brunneo-marginatis, 0,5-1 cm. long.; acervulis gregariis, demum erumpentibus;

conidiis cylindræis, utrinque rotundatis, arcuatis vel sigmoideis vel flexuosis, $40 \approx 8$, 1-septatis, ex hyalino brunneolis, granulosis, dein in cirros ejectis.

Hab. in phyllodiis *Acaciæ*, Victoria Australiæ (Mrs. MARTIN).

4. **Marsonia Rosæ** Trail F. Inverar. p. 46. — Maculis epiphyllis rufo-brunneis, infra brunneis; acervulis minutis, subinconspicuis; conidiis subcylindræis, sæpe subfalcatis, $20-23 \approx 6$, hyalinis, 1-septatis, grosse granulosis.

Hab. in foliis *Rosæ tomentosæ*, Tossachs Inver. Scotiæ. — Verisimiliter non diversa ab *Actinonemate Rosæ*. Etiam *Mars. Rosæ* (Bon.) Br. et Cav. F. Parass. n. 97 certe, et *Dicoccum Rosæ* Bon. probabiliter idem *Actinonema* spectant.

5. **Marsonia Myricariæ** Rostr. Bidr. Ascom. Dovr. p. 12. — Acervulis hypophyllis, gregariis, lenticularibus, pallidis; conidiis elongato-cylindræis, 1-septatis, $24-28 \approx 5-7$.

Hab. in foliis *Myricariæ germanicæ*, Foldalen Norvægiæ.

6. **Marsonia Quercus** Peck in 38 Rep. St. Mus. pag. 99. — Maculis angularibus vel suborbicularibus, albescentibus vel rufo-griseis, definitis; acervulis hypophyllis; conidiis oblongis v. subcylindræis, rectis vel curvulis, medio leniter constrictis, obscure uniseptatis, $12-15 \approx 2,5-4$.

Hab. in foliis vivis *Quercus ilicifoliæ*, Karner Amer. bor.

7. **Marsonia Betulæ** (Lib.) Sacc. F. Ard. n. 224, *Leptothyrium Betulæ* Lib. Crypt. II, n. 163 (1832), nec *Glæosporium Betulæ* Fuck., Sacc. Syll. III, p. 714. — Maculis irregularibus, subradiatis, fuscis; acervulis epiphyllis gregariis, planiusculis, oblongo-diformibus, subinde confluentibus, fuscis, rugosis, basi tandem circumscissis; conidiis oblongis, rotundatis, basi obtuse angulatis inæqualiteribus, 1-septatis, dein constrictis, $17-22 \approx 8-10$, granulosis, hyalinis.

Hab. in foliis *Betulæ albæ* in Arduennis. — Affinis *M. Castagnei* et *M. Populi*, sed satis diversa videtur natura maculæ et proportione conidiorum.

8. **Marsonia stenospora** (Ellis et Kellerm.) Sacc. *Glæosporium* E. et K. in Journ. of Myc. 1886, p. 4. — Maculis amphigenis, sordide griseis, rotundis, $\frac{1}{2}$ cm. diam. sæpe confluentibus, margine nigro, elevato cinctis; acervulis punctiformibus, rotundis, fuscis, demum collabascentibus, epiphyllis sed etiam in pagina inferiore foliorum conspicuis, vulgo in centro macularum congestis; conidiis cylindræis, uniseptatis, hyalinis, $18-20 \approx 2\frac{1}{2}$, curvulis.

- Hab.* in foliis vivis Populi moniliferæ, Manhattan, Kansas Amer. bor.
9. **Marsonia apicalis** Ell. et Ev. Proc. Acad. Phil. 1891, pag. 84. — 6890
 Acervulis minutis, numerosis; conidiis oblongis vel oblongo-cylindraceis, hyalinis, 1-septatis, 12-20 \approx 5-6, uno apice leviter tenuatis, sæpius erumpentibus ex pagina inferiore et in massulas albas concretis.
Hab. in foliis vivis, quorum apex mox brunnescit et arescit, Salicis lucidæ, Racine Wisc. Amer. bor. (DAVIS).
10. **Marsonia nigricans** Ell. et Ev. Proc. Acad. Phil. 1891, p. 84. — 6891
 Maculis amphigenis, supra nigricantibus, demum expallentibus, 0,5 cm. diam., infra rufo-brunneis, indefinite limitatis et confluentibus, subinde præsertim superne margine flavo anguste limbatis; acervulis parvis, 100-125 μ . diam. atris; conidiis clavato-ovatis, curvis, infra acutatis, 1-septatis, 14-16 \approx 6, e pagina inferiore erumpentibus.
Hab. in foliis Salicis, London Canada Amer. bor. (DEARNESS).
 — *Mars. Populi* est epiphylla et conidiis amplioribus pollet.
11. **Marsonia Salicis** Trail Fung. Hard. pag. 495. — Acervulis epiphyllis, minutis, verrucosis, sparsis vel hinc inde gregariis, atro-brunneis; conidiis fusoideis vel clavatis, subrectis vel sæpius falcatis, apice acutis, hyalinis, loculo basali multo minore, 10-12 \approx 2,5-3; basidiis minutis.
Hab. in foliis vivis Salicis, Simodal Norvegiæ.
12. **Marsonia obscura** Romell in litt. — Maculis epiphyllis, rufo-fuscescentibus; acervulis dense gregariis, perithecioides, nigricantibus; conidiis piriformibus vel clavatis, supra medium 1-septatis nebulosis v. fumosis v. fere olivaceo-fuscellis, 18-40 \approx 10-10,5.
Hab. in foliis vivis Salicis (capræ affinis), Norrtelge Sueciæ (H. HOMBERG).
13. **Marsonia brunnea** (Ell. et Ev.) Sacc., *Glæosporium* Ell. et Ev. 6891
 Journ. Myc. 1889, p. 154. — Maculis epiphyllis, minutis, nigris, mox in areas magnas confluentibus et totam folii paginam in viridi-brunneum tingentibus; acervulis 1-3 in quaque macula, pallidis, amphigenis, demum subnigris; conidiis clavato-obpiriformibus, hyalinis, 1-septatis, loculo infero minore, 14-16 \approx 5-7.
Hab. in foliis Populi candicantis, Newfield, N. J. Americæ borealis.
14. **Marsonia Lorentzii** Speg. Guar. I, p. 157. — Maculis amphigenis, atris, stromaticis, coriaceis, determinatis, minutis, 0,5-0,7 mm. 6895

diam., sparsis; acervulis in quaque macula sæpius solitariis, subcutaneis, per ætatem lacero-erumpentibus, fuscis, lenticularibus, 100-120 μ . diam.; conidiis cylindræo-clavulatis, 17-18 \approx 3,5, sursum obtuse rotundatis, subtus truncatis, medio 1-septatis, non constrictis, hyalinis; basidiis papilliformibus, vix prominulis.

Hab. ad folia viva Quebrachiæ Lorentzii in silvis prope Yaguaron Brasilæ.

II. In Dicotyledoneis herbaceis.

15. **Marsonia Melampyri** Trail Grev. XV, p. 110. — Maculis indefi- 6896
nitis subatris, demum fere nigris; acervulis sparsis vel aggregatis
translucidis; conidiis oblongo-ellipsoideis, curvulis, hyalinis, 1-septatis, leviter constrictis, 12-20 \approx 3-3,5, catenulis hyalinis cellularum, 3-4,5 \approx 0,5 intermixtis.

Hab. in foliis Melampyri pratensis pr. Ballater Scotiæ.

16. **Marsonia Potentillæ** (Desm.) Sacc. Syll. III, p. 770 — var. **Tor-** 6897
mentillæ Trail Grev. XV, p. 110. — A typo differt præcipue conidiis 12-16 \approx 3-4.

Hab. in foliis Tormentillæ, nec non Potentillæ anserinæ (con. 14-20 \approx 4-5), Pot. Comari (con. 18-21 \approx 3-4) prope Aberdeen Scotiæ.

17. **Marsonia Daphnes** (Desm. et Rob.) Sacc. Syll. III, p. 769. — var. 6898
Passerinæ Bäuml. F. Schemn. III, p. 15. — Conidiis basim versus 1-septatis, loculo supero rotundato v. rostrato, loculo infero semper rostrato, 14-16 \approx 3-4,5; basidiis 4-6 \approx 1,5, hyalinis.

Hab. dense gregaria in caulibus Passerinæ annuæ prope Schemnitz in Hungaria.

18. **Marsonia Chamænerii** Rostr. Fung. Groenl. pag. 576. — Macula 6899
magna, irregulari, ochracea, late violaceo-cincta; acervulis epiphyllis, discoideis, pallide fuscis; conidiis obovato-ovoidæis, hyalinis, inæqualiter 1-septatis, 28-34 \approx 8-9.

Hab. in foliis Epilobii (Chamænerii) angustifolii in Groenlandia.

19. **Marsonia Ipomœæ** Cooke et Mass. Grev. XVI, pag. 48. — Acer- 6900
vulis dense aggregatis, erumpentibus, cutem lacerantibus, dein fuscis et *Uredinem* imitantibus; conidiis anguste oblongis v. subcylindræis, utrinque obtusis, 1-septatis, hyalinis, 10-15 \approx 3, mox in cirros breves ejectis.

Hab. in caulibus vivis folisque Ipomœæ, Kew London Britannicæ.

20. **Marsonia Campanulæ** Bresad. et Allesch. in Allesch. et Schnabl 6901
F. Bav. n. 192. — Maculis minutis, suborbicularibus, ochraceis,
fusco-cinctis; acervulis epiphyllis, tectis, lenticularibus, flavescen-
tibus; conidiis subcylindræis, sæpe inæqualibus, utrinque rotun-
datis, ut plurimum 1-septatis, guttulatis, nubiosis, 18-20 \approx 4,5-5.
Hab. in foliis vivis Campanulæ latifoliæ, Graswangthal
pr. Oberammergau Bavar. super. (ALLESCHER).

III. In Monocotyledoneis et Acotyledoneis.

21. **Marsonia graminicola** (E. et Ev.) Sacc., *Glæosporium* Ell. et Ev. 6902
Journ. Myc. 1889, p. 154. — Maculis amphigenis, nigris, subinde-
finitis, 2-3 mm. lat.; acervulis minutis, immersis; conidiis cylin-
dræis, 1-septatis, 15-22 \approx 3-4, hyalinis, in cirros albos, minutos
exeuntibus.
Hab. in foliis vivis Graminacearum, London, Canada Amer.
bor. (J. DEARNESS).
22. **Marsonia necans** (Ell. et Ev.) Sacc., *Glæosporium* E. et E. Journ. 6903
Myc. 1888, pag. 104. — Amphigena, sæpius epiphylla; maculis
rubescenti-brunneis, 1-1,5 cm. diam.; acervulis erumpentibus, par-
vis, nigris, sæpe subelongatis, demum saltem flavis; conidiis ob-
longo-cylindræis, hyalinis, obtusis, sæpius rectis, minute 2-3-gut-
tatis, demum 1-septatis, 12-22 \approx 4-5.
Hab. in frondibus et caulibus Pteridis aquilinæ, Newfield,
N. J. Amer. bor.

Sect. 4. Phragmosporæ.

STILBOSPORA Pers. — Syll. III, p. 771.

1. **Stilbospora foliorum** Cooke Grev. XX, p. 6. — Epiphylla; acervu- 6904
lis in maculis pallidis orbicularibus insidentibus, poris 3-4 pertusis,
stromate applanato fultis; conidiis late ellipsoideis, utrinque sub-
angustatis, 3-septatis, non constrictis, demum subopacis, 22 \approx 8-9.
Hab. in foliis emortuis Eucalypti, Victoria Australiæ (MAR-
TIN).
2. **Stilbospora Cratægi** Rich. Cat. Champ. Marn. n. 1829. — Conidiis 6905
oblongis v. piriformibus, brunneo-viridibus, 3-septatis.
Hab. in ramis emortuis Cratægi Oxyacanthæ, pr. Ablan-
court, Marne Galliæ.
3. **Stilbospora? anceps** Passer. Diagn. F. N. IV, p. 15. — Acervulis 6906

irregularibus, tectis, depressis, atris; conidiis elongato-ellipticis, vix vel non stipitatis, 3-septatis, olivaceo-fuscis, 10-15 \times 4-5.

Hab. in glandibus dejectis *Quercus Ilicis*, Villa Reale, Caserta Ital. inf. — Propter conidia subsessilia, haud inquinantia, inter *Stilbosporam* et *Coryneum* ambigit.

CORYNEUM Nees. — Syll. III, p. 774.

1. **Coryneum cistinum** Cooke in Grevillea XIV, p. 5. — Stromatibus 6907
orbicularibus pulvinatis, convexis, atris cortice interiore insidentibus subinde gregariis, nunc tectis corticeque nidulantibus, nunc expositis; conidiis lanceolatis, utrinque obtusis, triseptatis, ad septa non constrictis, brunneolis, 56-55 \times 15-18; basidiis hyalinis, circiter conidia longitudine æquantibus, demum evanidis.

Hab. in ramis *Cisti laurifolii*, Kew London Britanniae.

2. **Coryneum microstictum** B. et Br. Sacc. Syll. III, p. 775. — Var. 6908
Cydoniæ Brun. Champ. nouv. obs. env. Saintes, p. 7. — Conidiis 17-18 \times 5,5; basidiis 20-22 \times 1.

Hab. in ramis emortuis *Cydoniæ vulgaris*, Saintes Galliae. — Var. **Photiniæ** Br. loc. cit.: conidiis 15 \times 5. In ramis emortuis *Photiniæ glabræ*, Saintes Galliae.

3. **Coryneum Lauro-Cerasi** Prill. et Delacroix Bull. Soc. Myc. Fr. 1890, 6909
p. 179, Pl. XX, fig. IV. — Maculis amphigenis, fulvis v. ochraceis, saturatius marginatis, tandem a folio secedentibus; acervulis minutis, atris, primum tectis, dein erumpentibus; conidiis 5-7 septatis, sursum attenuatis, parte inferiori obtusiusculis, dilute fuscis, 60-80 \times 15-17; basidiis septatis, flexuosis, fuscis, intertextis, 180 \times 6-7.

Hab. in pagina superiore foliorum *Pruni Lauro-Cerasi*, Seine et Oise Galliae. — Habitus est *Corynei Beijerinckii*, sed ceterum multum differt.

4. **Coryneum longistipitatum** Berl. et Bres. Micr. Trid. p. 80. — Stro- 6910
matibus sparsis, epidermide primo tectis, dein ea laciniatim fissa, emergentibus, atris, 0,5-1 mm. long., irregulariter elongatis vel subrotundis; conidiis copiosissimis, ovoideis, transverse 3-septatis; loculis omnibus æque coloratis, ad septa non v. vix constrictis, luteo-fuscescentibus, 18-20 \times 8-9; basidiis longissimis, 40-60 \times 2.

Hab. in ramis *Pini communis*, Magras Trento. — *C. Corni-albæ* affine.

5. **Coryneum viminale** Cooke et Mass. Grev. XX, p. 36. — Acervulis 6911
definitis, applanatis, sparsis, nigris, maculis definitis destitutis; co-

nidiis obovatis v. piriformibus, 1-2-septatis, non constrictis, 8-10 \approx 5-6, pallide purpureo-brunneis; basidiis longiusculis, filiformibus.

Hab. in foliis *Eucalypti viminalis*, Victoria Australiæ (READER).

6. **Coryneum Camelliæ** Masee Grev. XX, pag. 8. — Epiphyllum; 6912
maculis irregularibus, latis, dealbatis, atro-marginatis; acervulis gregariis, epidermidem irregulariter vel lineariter et triangulariter erumpentibus; conidiis lanceolatis 30 \approx 10, loculis 2-4 mediis coloratis, terminalibus triangularibus, hyalinis; basidiis conidio subæquilongis.

Hab. in foliis *Camelliæ*, Kew Britanniæ. — Videtur *Pestalozzia Guepini* mutica.

7. **Coryneum arbuticum** (Sow.) Sacc. Bull. Soc. Myc. V, pag. 122, 6913
Sphæria arbuticola Sow. Rabenh. in Kl. n. 443. — Acervulis amphigenis, diu epidermide tumidula velatis, pulvinatis, compactis, nigris, nitidulis, 0,2-0,3 mm. lat. (sphæriæformibus); conidiis e basidiis brevibus subinde furcatis nascentibus, clavato-cylindræcis, dense parallele stipatis, 4-5-septatis, mucro hyalino obvolutis, initio subhyalinis pluri-guttulatis dein olivaceo-fuligineis, 40-59 \approx 5-6, basi stromatica cellulosa crassiuscula, hyphis fuligineis, septatis cincta.

Hab. in foliis subemortuis *Arbuti* (*Arctostaphyli*) *Uvæursi* prope Dresden (RABENHORST). — Stirps anceps, nonnullis notis *Exosporio* et præsertim *E. melampsoroidi* affinis, ceterum diversa quia innata et multo compactior; a *Coryneo* tamen quoque recedit conidiis compactissimis, cylindræcis a basidio parum discretis. *Sphæriam arbuticolam* Sow. Ill. Berkeley duxit ad *Diplodiox* genus, quocum exemplar Rabenhorstii nil commune habet.

8. **Coryneum discolor** Fautrey in Rev. Myc. 1889, p. 152. — Acer- 6914
vulis globulosis v. difformibus, solitariis vel 3-pluribus gregariis, stromate fultis; conidiis cylindræcis, incurvis, vix clavatis, 5-septatis, loculis mediis primo hyalinis, dein cyaneis, demum brunneis, loculis extimis rotundatis, semper hyalinis, 28-32 \approx 11-13; basidiis fasciculatis, 15-20 \approx 3.

Hab. in truncis *Vitis viniferæ*, Noidan Galliæ.

9. **Coryneum fagineum** Delacr. Bull. Soc. Myc. 1891, p. 107. — Acer- 6915
vulis gregariis, initio tectis, mox epidermide tumida apiceque pertusa erumpentibus; stromate fusco concaviusculo; conidiis ellipsoideis, utrinque obtusatis, semper trilocularibus, interdum subcurvulis, fusco-olivaceis, 35 \approx 12; basidiis hyalinis, granulatis tortuosis, 45-55 \approx 1,5.

Hab. in cortice Fagi silvaticæ, Rigny-sur-Arroux Saône-et-Loire Galliæ.

10. **Coryneum opacum** Speg. F. Fueg. n. 434. — Acervulis cortice 6916
innatis, primo peridermio tectis, dein erumpentibus, difformibus,
0,5-2 mm. atris; conidiis clavulatis, apice obtuse rotundatis, basi
truncatis, $90 \approx 24$, rectis v. curvulis, primo pellucidis, 3-5-septatis,
non constrictis, pedicello hyalino minuto mox fatiscente suffultis,
dein opace atro-fuligineis.

Hab. ad ramos emortuos Fagi antarcticæ in silvis prope
Ushuwaia Fuegiæ.

11. **Coryneum betulinum** Schulz. Bot. Centr. 1883, XV, pag. 3. — 6917
Acervulis primo epidermide tectis, dein transverse erumpentibus,
epidermide clavata cinctis, extus nigris, intus brunneis; conidiis
disco immersis, fusiformibus, 1-5-septatis, $16-40 \approx 9-14$, fuscis;
basidiis hyalinis, ramoso-filiformibus usque ad 40μ . vel parum
ultra long.

Hab. in ramis aridis Betulæ albæ, Djakovar Slavoniæ.

12. **Coryneum disciforme** K. et S. — Syll. III, p. 778 — ***C. ambiguum** 6918
Karst. Symb. XVII, p. 165. — Acervulis erumpentibus, peridermio
cinctis, disciformibus, planis, orbicularibus v. angulatis, brunneo-
atris, circ. 0,4 mm. diam.; conidiis 3-6-septatis, nunc fusoides,
subinde curvulis, sæpe apice subobliquis et pallidioribus, nunc cla-
vatis, apice obtusis, totis dilute fuligineis, $40-63 \approx 17-21$.

Hab. in ramis aridis Quercus, Mustiala Fenniæ. — ***C. ma-
crosporum** Karst. Symb. Fenn. XXIII, p. 2: conidiis clavatis ob-
tusis, deorsum in basidia pedetentim attenuatis, 6-8-septatis, egut-
tulatis, parce subinde longitrorsum divisus, ad septa non v. leviter
constrictis dilute fuligineo-flavidis, $75-115 \approx 19-22$; basidiis filifor-
mibus continuis, hyalinis, $40-65 \mu$. longis. Ad ramulos Tiliæ ul-
mifoliæ emortuos, in horto mustialensi Fenniæ (ONNI KARSTEN).

13. **Coryneum tumoricolum** Peck 40 Rep. p. 63. — Maculis sparsis, 6919
suborbicularibus, pallidis, margine rubro-brunneo cinctis; acervu-
lis epiphyllis, minutis, punctiformibus, inæqualibus, nigris; conidiis
oblongis, 3-septatis, coloratis, $10-12,5 \approx 4$, pedicellatis.

Hab. in foliis vivis Ulmi americanæ in montibus Adiron-
dack Amer. bor.

14. **Coryneum paraphysatum** Rostr. Fung. Groenl. p. 576. — Acer- 6920
vulis gregariis, depressis, fusco-atris, minutis; conidiis fusoides-
cylindraceutis, fuscis, subsessilibus, 7-10-septatis, loculis extimis hyali-
nis; paraphysibus fuscis, filiformibus, conidiis longioribus intermixtis.

- Hab.* in ramis Juniperi alpini, Tasermit Groenlandiæ.
15. **Coryneum Comari** Trail Scot. Nat. 1887, p. 90 et Grev. XV, 6921 p. 110. — Acervulis in maculis atris, male definitis gregariis, circularibus, 50-60 μ . diam., poro conspicuo pertusis; conidiis melles, in pallide brunneum vergentibus, rectis, late fusoides, 25-30 \times 4-5, triseptatis.
- Hab.* in Potentilla Comaro pr. Aberdeen Scotiæ.
16. **Coryneum microstictoides** Sacc. et Penz. Syll. III, p. 774. — *C. 6922 **Epilobii** Karst. Symb. XVII, p. 164. — Acervulis sparsis v. subgregariis, emergentibus, ellipsoideis v. elongatis, epidermide demum fissa velatis, atris, circ. 0,3 mm. lat.; conidiis ovoideo-oblongatis, 3-septatis, ad septa vix constrictis, totis fuligineis, 13-16 \approx 6-7; basidiis fasciculatis, conidio longioribus.
- Hab.* in caulibus Epilobii angustifolii emortuis pr. Helsingforsiam Fenniæ.
17. **Coryneum Paspali** E. et Ev. Proc. Acad. Phil. 1891, p. 82. — 6923 Acervulis sparsis, erumpentibus, nigris 0,5 mm. diam.; conidiis oblongo-cylindratis, brunneis, 6-9-septatis, 50-60 \approx 10-12; basidiis brevibus.
- Hab.* in culmis emortuis Paspali platycaulis, St. Martinville, Louisiana Amer. bor. (LANGLOIS).

HYALOCERAS Dur. et Mont. — Syll. III, p. 783.

1. *Eu-Hyaloceras*. Conidia utrinque monochæta.

1. **Hyaloceras parmense** Passer. Diagn. F. N. p. 15. — Acervulis 6924 subcutaneis ex epidermidis rima longitudinali erumpentibus, atris; conidiis elongatis, fuscis leniter curvis, 5-septatis, 22-25 \approx 8-10, loculis polaribus minutis, hyalinis, setula obliqua hyalina, 8-10 μ . longa, ornatis; basidiis filiformibus conidio longioribus, hyalinis.
- Hab.* in ramulis siccis Tamaricis gallicæ in horto botanico, Parma Ital. bor.

2. *Diploceras* Sacc. Conidia utrinque biseta.

2. **Hyaloceras dilophosporum** Cooke Grev. XIX, p. 5. — Epiphylla; 6925 acervulis gregariis, minutis, fuscis, erumpentibus, convexis subangulatis, centro irregulariter fisso, stromate submucoso; conidiis elongatis, subfusoides, 25 \approx 4, leniter curvatis triseptatis, ad septa non constrictis, pallide fuscis, utrinque setis binis divergentibus, hyalinis, ornatis,

Hab. in foliis emortuis *Leptospermi scoparii*, Port Philip Australiæ (C. FRENCH, jun.).

3. **Hyaloceras hypericinum** (Ces.) Sacc. *Pest. hypericina* Ces. — Syll. 6926
III, p. 795. — Sec. Allesch. Centr. 1890, XLII, p. 106, species occurrit quoque in foliis *Hyperici humifusi* prope Sendling in Germania merid. et præbet conidia triseptata, cylindræa, curvula, 12-16 \approx 3-4, utrinque rotundata, loculis mediis binis flavidis, 1-guttatis, extimis hyalinis, setis binis divergentibus, hyalinis instructis.

PESTALOZZIA De Not. — Syll. III, p. 784, Vogl. Monogr. Pestal.

1. *Eu-Pestalozzia*.

1. *In Dicotyledoneis lignosis*.

1. **Pestalozzia Æsculi** Fautrey in Rev. myc. 1889, p. 153. — Acer- 6927
vulis sparsis, subcutaneis, dein erumpentibus, oblongis, brunneo-nigris, epidermide lacerata pro parte tectis; conidiis numerosissimis, ovato-oblongis, 3-septatis, medio constrictis, loculis centralibus brunneis, extimis minutis, hyalinis, conicis, 16-20 \approx 8, subsessilibus, ciliis 2 divergentibus, hyalinis, 16 \approx 1 coronatis.

Hab. in *Æsculo Hippocastano*, Noidan Galliæ.

2. **Pestalozzia Sarothamni** Allesch. Bot. Centr. 1890, XLII, p. 106. 6928
— Conidiis elongatis, 1-septatis, griseo-brunneis, loculis 1-guttatis, apice setulis 3, conidio æquilongis, instructis, 20 \approx 5; basidiis breviusculis.

Hab. in ramis aridis *Sarothamni scoparii* prope Dachan, München Bavaricæ.

3. **Pestalozzia funerea** Desm., Sacc. Syll. III, p. 791 — var. **algeriensis** 6929
Sacc. et Berl. in Rev. Myc. 1886. — A typo acervulis albidis, epidermide flavescente cinctis, nec non matrice differt. A *P. Rosæ* vero conidiis 4-septatis, loculis extremis subhyalinis ceterisque fuscis certe distinguenda.

Hab. in ramulis emortuis *Rosæ sempervirentis* in Algeria.

4. **Pestalozzia suffocata** E. et E. in Journ. of Myc. 1886, p. 38. — 6930
Erumpens, in cirros atros ejecta; conidiis oblongo-fusiformibus, 22-26 \approx 5-6, cellulis tribus mediis brunneis, apicalibus hyalinis, in basidium longitudinem conidii æquans attenuatis, apice setis tribus radiantibus, 25-30 μ . longis ornatis.

Hab. in foliis vivis *Rosæ*, nonnullis diebus sub poculo vitreo servatis, in Amer. bor. (Prof. F. L. SCRIBNER).

5. **Pestalozzia intermedia** Sacc. Bomm. et Rouss. F. myc. Belg. II, 6931
p. 45. — Acervulis cupulatis, gregariis, nigris, dein erumpentibus,
secus ligni fibras in series dispositis; conidiis ellipsoideis, 3-septatis,
eguttatis, 13-15 \times 4-5, loculis mediis olivaceo-pellucidis, loculis exti-
mis hyalinis, apice setula subtortuosa, 13-21 μ . long., interdum
2-furcata v. rarius setulis 2 præditis; basidiis filiformibus, 24-29 μ .
long. e basi ramosis, setula superiore conformibus et persistentibus.

Hab. in ramulis vetustis Rosæ pomiferæ, sociâ *Sphærulina*
intermixtâ, Yvoir Belgii.

6. **Pestalozzia Sorbi** Pat. in Rev. Myc. 1886, pag. 182. — Acer- 6932
vulis parvis, in macula orbiculari, rufa sparsis; sporulis fusiformi-
bus, 4-septatis, loculis extimis hyalinis, mediis brunneis, 1-guttu-
latis, 16 \times 6, ad septa vix constrictis, setis duabus divergentibus
apice præditis; basidiis brevibus.

Hab. in foliis Sorbi, Yunnan Sinarum (AB. DELAVAY).

7. **Pestalozzia adusta** E. et E. Journ. Myc. 1888, pag. 51. — Acer- 6933
vulis amphigenis, minutis, sparsis, prominentibus, globosis v. co-
nicis, nigris; conidiis clavato-oblongis, 4-septatis, 12-15 \times 5-6 (par-
te colorata), loculis 3 mediis pallide brunneis, apicalibus hyalinis,
supra setulis 2-3 patentibus, hyalinis, 8-12 μ . long. præditis.

Hab. in apice et margine foliorum Pruni domesticæ cul-
tæ, Newfield, N. J. Amer. bor.

8. **Pestalozzia versicolor** Speg., Syll. III, p. 790 — var. **guaranitica** 6934
Speg. Guar. I, p. 158. — Maculis irregularibus, determinatis, 3-5
mm. diam., sordide griseo-aridis, demum deciduis; acervulis epi-
phyllis, dense sparsis, lenticularibus, 90-100 μ . diam.; conidiis fu-
soideo-ellipsoideis, medio tumidulis, utrinque acutis, 20-25 \times 12-16
apice setulis 2 simplicibus, oppositis, crassiusculis 20-22 \times 1, coro-
natis, 4-septatis, loculis 2 extimis hyalinis, 2 intermediis fusco-
flavescentibus, intimo olivaceo, opaco; basidiis tenuissimis, 8-10 \times
0,5. hyalinis.

Hab. ad folia viva coriacea Myrtaceæ, in silva Caá-Guazú
Brasilæ.

9. **Pestalozzia Camelliæ** Pass. Rev. myc. 1887, p. 146. — Acervulis 6935
sparsis, minutis, punctiformibus, primo tectis, dein nudatis, atris;
conidiis oblongis v. oblongo-clavatis, 3-septatis, ad apicem rotun-
datum setis 2 tenuibus, divaricatis, articulos duos pænultimos sub-
æquantibus præditis, hyalinis, 25 \times 5.

Hab. in ramulo subvivo Camelliæ japonicæ in frigidariis
Parma Ital. bor.

10. **Pestalozzia inquinans** Karst. in Hedw. 1891, p. 301. — Acervulis epiphyllis, macula orbiculari expallente fusco-cincta 1,5 cm. lata insidentibus, erumpenti-superficialibus, subsphæroideis, ovoideis v. tereti-oblongatis, punctiformibus, atro-fœdantibus; conidiis fusosideo-oblongatis, rectis, 4-septatis, loculis intermediis pellucide fuligineis, extimis acutato-conoideis, hyalinis, 16-18 \times 6-7, setulis apicalibus 2, rarissime 1 v. partitione 3, divergentibus, subæqualibus, hyalinis, 15-35 μ . long.

Hab. in foliis vivis *Camelliæ* cultæ, Helsingfors Fennicæ (O. KARSTEN). — A *P. Guepini* acervulis subsuperficialibus, conidiis parcius ciliatis differt; «an satis?».

11. **Pestalozzia conglomerata** Bres. Rev. Myc. 1891, p. 68. — Superficialis; acervulis dense gregariis, punctiformibus, applanatis, atris, in tomento albo nidulantibus; conidiis oblongo-fusosideis, 5-locularibus, ad septa subconstrictis, loculis 3 interioribus fuscis, 2 extimis, hyalinis, conoideis, 25-30 \times 7-8, apice ciliis 2-5 incurvis, 10-15 \times 0,7-1 ornatis; basidiis filiformibus, hyalinis, 12-20 \times 1,5, mox deciduis et ad conidia immatura tantum conspicuis.

Hab. in pericarpio *Anonæ*, Suadade, St. Thomé in sinu Guineæ (MOLLER).

12. **Pestalozzia fibricola** Grove in Journ. of Bot. 1886, pag. 198, tab. 266, fig. 7. — Acervulis parvis, atris, gregariis, fibras elevantibus, et demum findentibus; conidiis erumpentibus, elliptico-fusiformibus, 4-septatis, 17-18 \times 5; loculis 3 interioribus olivaceis, sæpe guttulatis, medio saturatori, superiori hyalino, conoideo, elongato, 4-5 μ . alto, setas 1-3 hyalinas, 12-18 μ . longas, patienti-recurvas gerente; inferiori hyalino, brevi, triangulari; basidiis brevissimis, 3-5 μ . longis.

Hab. inter fibras libri *Tiliæ* ad usum horticultorum parati, Sutton prope Birmingham Brit. — Cum plantis e Germania sine dubio importata. Loculo medio conid. saturatori at non opaco a *P. longiseta* distincta. Setæ inter se basi breviter connatæ. Setæ duæ sæpissime inveniuntur; quum unica, solito est longior. Cum *P. funerea* var. *discolori* species comparanda.

13. **Pestalozzia Rhamni** Celotti Mic. Montpell. p. 11, f. 6. — Acervulis sparsis, minutis, atris, primum epidermide tectis, dein erumpentibus; conidiis fusosideis, 3-4-septatis, 25-30 \times 5-7, loculis extremis hyalinis, intermediis dilute fuligineis, setulis 2 filiformibus, divaricatis, 10-13 μ . long.

Hab. in ramis siccis *Rhamni Alaterni*, Montpellier Gallicæ.

14. **Pestalozzia uvicola** Speg., Syll. III, p. 789 — Sec. Prill. et Delacr. in Bull. Soc. Myc. V, p. 124, nascitur, præterquam in baccis, etiam in maculis foliorum *Vitis viniferæ* in Gallia.
15. **Pestalozzia affinis** Sacc. et Vogl. in Vogl. Sul Gen. *Pestalozzia* 6940 p. 10, t. VIII, f. 6. — Acervulis laxè gregariis, minutis, dein suberumpentibus, atris, subgloboso-oblongis, nigris; conidiis ovoideis, 3-septatis, loculis 2 interioribus fuliginosis, extimis hyalinis, 14-20 \approx 6-8; aristis 4-5, filiformibus, divaricato-ramosis, 18-25 μ . longis; basidiis filiformibus, 30-50 \approx 2, rarius usque ad 70 μ . longis.
Hab. in ramis corticatis *Vitis* et *Juglandis* pr. Malmedy Gallie.
16. **Pestalozzia Corni** Allesch. Bot. Centr. 1890, XLII, p. 106. — 6941 Conidiis fusoides, 5-septatis, loculis mediis 2 adjunctis brevioribus et cum iis brunneolis, sæpius 1-guttatis, loculis extimis hyalinis, conicis, minutissimis, supero setula 2-3-fida vel dichotomice ramulosa coronatis, 24-30 \approx 8-10; basidiis tenuibus.
Hab. in ramis aridis *Corni albæ*, Isaranlagen prope Flaucher, München Bavarie.
17. **Pestalozzia cornifolia** E. et E. Journ. Myc. 1888, p. 51. — Ma- 6942 culis rotundis, brunneis, 3-4 mm. diam., margine angusto, subelevato, nigro cinctis, extus folii superficie purpurea limitatis; acervulis punctiformibus, nigris, levibus, parte prominentibus, epiphyllis; conidiis oblongo-ellipsoideis, 4-septatis, basi acutis, supra setis 3, hyalinis, patentibus, 8-15 μ . long. præditis, loculis mediis brunneis vel opacis, apicalibus hyalinis.
Hab. in foliis vivis *Corni sericeæ*, St. Gabriel Louisiana Amer. bor. (LANGLOIS).
18. **Pestalozzia gibbosa** Harkn. F. Pacif. V, p. 439. — Epiphylla; 6943 acervulis nigris, erumpentibus; conidiis ellipsoideis, incurvis, 24 \approx 8, 4-septatis, loculis 2 inferis pallide brunneis, 2 eis superpositis, atris, apicali hyalino, setulis 3, apice capitatis, 40 μ . long. coronatis.
Hab. in foliis subemortuis *Gaultheriæ Shallon*, Pointes Reyes Amer. bor.
19. **Pestalozzia kalmicola** E. et E. Journ. Myc. 1888, p. 51. — Acer- 6944 vulis epiphyllis, minutis, sparsis, in lineas parallelas, subundulatas dispositis; conidiis pallide brunneis, 4-septatis, fusoides, 18-22 \approx 5-7, loculo terminali parvo, hyalino, setulis 3, brevibus, 5-7 μ . long., patentibus, tenuibus, dein apice incrassatis coronato.
Hab. in apice dealbato foliorum viventium *Kalmiæ latifoliæ*, Wilmington, Del. Amer. bor. (A. COMMONS).

20. **Pestalozzia maura** E. et E. Journ. Myc. 1888, p. 123. — Acer- 6945
vulis amphigenis, subprominulis, nigris minutis, maculis rotundis,
rubro-brunneis, 2-3 mm. diam. insertis; conidiis obovatis, basi acu-
tis, 3-septatis, atris, subopacis, 12-15 \times 6-8, apice obtuso, setulis
3 horizontaliter deflexis, 15-20 μ . long. præditis, loculo basali hya-
lino, acuto; basidiis conidio brevioribus.

Hab. in foliis Psychotriæ rufescentis, Halifax River,
Florida Amer. bor.

21. **Pestalozzia Banksiana** Cavares App. Pat. Veg. pag. 13. tab. VI, 6946
fig. 15-16. — Acervulis conicis albido-griseis, erumpentibus, spar-
sis, epiphyllis 200-250 μ . diam. in maculis cinerescens; conidiis
ellipticis, utrinque angustatis, 20-22 \times 6, quinque-cellularibus,
ad septa non vel minime constrictis, loculis mediis olivaceis, extimis
hyalinis; basidiis filiformibus 12-16 μ . longis; ciliis tribus valde
divaricatis.

Hab. in foliis Banksiæ speciei cultæ, Pavia Ital. bor.

22. **Pestalozzia versicolor** Speg. Sacc. Syll. III, p. 790 — var. **Cu-** 6947
paniæ Sacc. et Berl. Misc. Myc. II, p. 11. — A typo aliquid dif-
fert basidiis paullo longioribus, nempe 15-16 \times 2; conidiis 30-32 \times
10-12, partis coloratæ loculis duobus sup. fuliginis, inferiore pal-
lidiori; setis subternis, 30-33 \times 2.

Hab. in foliis Cupaniæ anacardioidis, Logan Australiae.

23. **Pestalozzia gongrogena** Temme in Thiel's Landw. Jahrb. XVI, 6948
1887, p. 437, F. Ludwig in Berichte D. Bot. Gesell. 1890, p. 218.

Hab. in ramis Salicis viminalis et S. undulatæ, in qui-
bus tumores (*Weidenkropfen*) efficit, in Borussia et Saxonia. Dia-
gnosis adhuc desideratur (sec. cl. Doct. F. LUDWIG in litt., cui gra-
tias plurimas ago).

24. **Pestalozzia montellica** Sacc. et Vogl. in Vogl. Sul Gen. *Pesta-* 6949
lozzia p. 9, t. IX, f. 21. — Acervulis epiphyllis, minutis, nigris,
dense gregariis, non fœdantibus, macula nulla vel obsoleta; conidiis
fusiformibus, 4-septatis, 20-25 \times 8, loculis intermediis semiopa-
cis, extimis hyalinis; aristis 3-4, 20-25 \times 1, una superiore ex ver-
tice loculi oriunda, ceteris ad basim ejusdem nascentibus, horizon-
tali-deflexis; basidiis hyalinis, 25 \times 1.

Hab. in foliis Quercus in silva Montello agri tarvisini Ital.
bor. (SACCARDO).

25. **Pestalozzia microspora** E. et E. Journ. Myc. 1888, pag. 46. — 6950
Acervulis amphigenis, prominentibus, nigris, crebre sparsis, macu-
lis definitis destitutis; conidiis anguste ellipsoideis, 3-septatis, pal-

lode brunneis, loculis terminalibus hyalinis exceptis, setulis 10-12 μ . long. terminatis, parte colorata circ. 7-9 \times 4; basidiis gracilibus, 20-25 μ . long.

Hab. in foliis dejectis *Quercus coccineæ*, Newfield, N. J. Amer. bor.

26. **Pestalozzia Casuarinæ** Cooke et Mass. Grev. XVI, pag. 114. — 6951

Acervulis gregariis, minutis, ellipticis, pustulæformibus, epidermide fissa cinctis; conidiis fusiformibus, loculis duobus centralibus fuscis, 10-12 \times 6-7, loculo superiori conoideo, hyalino, aristato; aristis 3, divergentibus (cum conidiis 45-50 μ . long.); basidiis hyalinis, sursum incrassatis.

Hab. in ramis *Casuarinæ*, Melbourne (Miss CAMPBELL).

27. **Pestalozzia peregrina** Ellis et Mart. in Journ. of Myc. 1885. — 6952

Acervulis hysteriiformibus, primo epidermide velatis, dein partim erumpentibus; conidiis oblongo-ellipsoideis vel obovatis, 4-septatis, utrinque cellula acuta, subconoidea, hyalina, cellulis intermediis brunneis; setis tribus, hyalinis, 7-10 μ . longis; basidiis circiter longitudinem conidiorum æquantibus, cellulis coloratis 12-16 \times 6-7.

Hab. in foliis emortuis sed adhuc stantibus *Pini austriacæ*, Newfield Amer. bor. — A *P. funerea* conidiis minoribus differt.

28. **Pestalozzia abietina** Vogl. Sul Gen. *Pestalozzia* pag. 10, t. VIII, 6953

fig. 3. — Acervulis sparsis, subimmersis, primum tectis demum erumpentibus, aterrimis; conidiis ellipticis, 18-21 \times 5-7, 3-septatis, ad septa non vel vix constrictis, loculis 2 extimis hyalinis, intermediis fuligineo-atris; aristis 2-3, hyalinis, 14-18 \times 1; basidiis filiformibus, 18-27 \times 2.

Hab. in strobilis *Abietis excelsæ* in silvis Collecchio pr. Parma Ital. bor. (PASSERINI) et prope Massachusetts Amer. bor.

29. **Pestalozzia conorum-Piceæ** Tubeuf Bot. Centr. 1889, III, p. 134. 6954

— Acervulis nigris, erumpentibus; conidiis ovato-oblongis, 16-20 \times 6, loculis binis interioribus coloratis, 12-14 \times 6, loculis extimis acutis, hyalinis delabentibus; setulis binis ternisve, 20 μ . longis.

Hab. in conis dejectis *Abietis pectinatae* in Germania et Amer. bor. — Teste auctore, species edita fuit in Ellis N. A. F. nomine *P. truncatulæ* et in Rab. F. E. n. 2462 nomine *P. conigenæ*, a quibus differt.

30. **Pestalozzia Hartigii** Tubeuf Beitr. Baumkr. p. 40, t. V. — Acer- 6955

vulis immersis, globosis, stromate applanato, tenui fultis; conidiis in massulas nigras erumpentibus, primo hyalinis, continuis, dein 3-septatis, ovato-oblongis, loculis binis mediis magnis, minute plu-

riguttulatis, coloratis, terminalibus parvis, hyalinis, 18-20 μ . long., setulis 1-4, tenuibus, hyalinis, 20 \approx 1 apice præditis; basidiis filiformibus, tenuibus, hyalinis, 30-50 μ . long.

Hab. in cortice trunci Abietis excelsæ et pectinatæ, Hain in Spessart Baviaræ. — *P. truncatæ* affinis.

31. **Pestalozzia Sabinæ** Fautrey Rev. Myc. 1891 Oct. — Acervulis 6956 sparsis, mediis, nigris, epidermide cinctis; conidiis fusoides v. oblongis 20-22 \approx 7-8, triseptatis, loculis binis mediis fuligineis, extremis hyalinis; seta unica in 2-3 ramulos divergentes divisa, 20-25 \approx 0,7.

Hab. in ramulis adultis Juniperi Sabinæ cultæ, Noidan, Côte-d'Or Galliæ.

32. **Pestalozzia austro-caledonica** Crié Depaz. p. 55, t. VIII, 27 δ , 6957 Voglino Pest. p. 32. — Conidiis elliptico-ovoideis 40 \approx 14, biseptatis, coloratis, crasse 2-guttatis; setis ternis, 17-20 \approx 1,5.

Hab. in foliis Jonidii, Bignoniæ et Melodii in Nova Caledonia. — In textu p. 42 cl. Crié speciem suam *P. Novæ-Caledoniæ* nuncupat.

33. **Pestalozzia grandis** Berk.? Crié Depaz. p. 55, t. VIII, f. 27 δ , 6958 Voglino Pest. p. 32. — Conidiis ovoideis 44 \approx 14, triseptatis, subhyalinis, crasse guttatis; setis ternis vel quaternis 17-25 \approx 1, subinde ramulosis; basidiis 40 \approx 2.

Hab. (locus et matrix ignota). — In operibus Berkeleyanis species desideratur.

II. In *Dicotyledoneis herbaceis*.

34. **Pestalozzia Potentillæ** Rich. Cat. Champ. Marn. 1842. — Coni- 6959 diis fusoides, 3-septatis, apice ciliis conidio longioribus coronatis.

Hab. in caulibus siccis Potentillæ reptantis, St.-Amand Galliæ.

35. **Pestalozzia Nummulariæ** Har. et Br. Journ. de Bot. 1891, p. 172. 6960 — Macula amphigena, vage limitata, brunneo-flava; acervulis minutissimis, $\frac{1}{6}$ - $\frac{1}{5}$ mm. diam., concoloribus; conidiis ovato-oblongis, 3-septatis, loculis mediis opacis, extremis conicis, hyalinis, 16-20 \approx 7, loculo supere ciliis 2-3, sæpius ramosis, divaricatis, hyalinis, 18-20 \approx 1; basidiis hyalinis, 16-20 μ . long.

Hab. ad folia ægrotantia Lysimachiæ Nummulariæ, Châtres pr. Méry-sur-Seine Galliæ (P. HARIOT).

36. **Pestalozzia paraguayensis** Speg. F. Guar. II, n. 180. — Maculis 6961 amphigenis orbicularibus minutis 0,5-1 mm. sæpius marginalibus

determinatis candidis, zona purpurascens cinctis; acervulis amphigenis in centro macularum solitariis vel pauci-aggregatis, minutis, 80-100 μ . diam., atris, erumpentibus; conidiis obovatis vel subclavulatis 20 \approx 7, 4-septatis, ad septa constrictulis, loculis 2 extimis minutis hyalinis, 3 internis olivaceis, infero sæpius pallidiore, apice rostellis 2-3 hyalinis brevibus ac crassis 5-10 \approx 1,5 divaricatis ornatis, inferne pedicello brevissimo 5 \approx 1 hyalino suffultis.

Hab. ad folia viva Euphorbiæ speciei cujusdam, socia *Phyllosticta* immaturâ, in herbosis silvæ Caá-guazú Brasiliæ.

III. In Monocotyledoneis.

37. **Pestalozzia Chamæropis** Passer. Diagn. F. N. IV, n. 131. — Acervulis in matrice immutata sparsis vel gregariis, punctiformibus fuscis; conidiis fusiformi-clavatis bi-triseptatis, apice ciliis duobus divaricatis coronatis, breviter pedicellatis, fumosis, parte colorata 15 \approx 5, loculo supremo cum crista secedente. 6962

Hab. in petiolo sicco Chamæropis humilis, Parma Ital. bor. — A *P. Phœnicis* differt maculæ defectu et conidiis minoribus; a *P. Palmarum* conidiis biciliatis.

38. **Pestalozzia Liliorum** Rich. Cat. Champ. Marn. n. 1844. 6963

Hab. ad basim caulis Lilii candidi, Marne Galliæ.

39. **Pestalozzia tubericola** Pass. in Mart. Fl. Bog. p. 148. — Peritheciis minutis, punctiformibus, innatis, sparsis, fusco-atris; conidiis fusiformibus, dilute flavidis, 3-4-septatis, setis 3-4 plus minus longis, stellatim patentibus, deciduis coronatis. 6964

Hab. in tubere exsiccato forsitan Orchideæ, Keren Abyssiniæ.

40. **Pestalozzia aquatica** Ell. et Ev. Journ. Myc. 1889, pag. 157. — 6965

Maculis amphigenis, castaneis, 0,5-1 cm. diam., concentricè corrugatis, margine obscuriore, angusto, cinctis; acervulis epiphyllis, erumpentibus, $\frac{1}{4}$ - $\frac{1}{3}$ mm. diam., nigris, convexis, dein concavis; conidiis obovatis, 18-20 \approx 6-7, quadriseptatis, loculis terminalibus hyalinis, loculo sequente infero subhyalino, 2 mediis atris, apice setulis 3, validis, 15-20 \approx 1, hyalinis, divaricatis præditis.

Hab. in foliis vivis Peltrandæ virginianæ, Newfield, N. J. Amer. bor.

2. Monochætia Sacc.

41. **Pestalozzia Everharti** Sacc. *P. affinis* Ell. et Ev. Journ. Myc. 1889, p. 156, nec S. et V. — Acervulis innatis, erumpentibus, amphigenis; conidiis acute ellipsoideis, pallidis, 15 \approx 5 (inter septa ex-

trema), 4-septatis, apice setula obliqua, 7 μ . long., apicali præditis, in massas nigras erumpentibus; basidiis conidio brevioribus.

Hab. in foliis vivis Castaneæ? v. Æsculi? (*Japan Chestnut*), Lafayette, Louisiana Amer. bor.

42. **Pestalozzia phyllostictea** Sacc. Misc. Myc. II, p. 25, t. XI, f. 32. 6967

— Maculis arescendo expallentibus, variis; acervulis punctiformibus, vix erumpentibus; conidiis oblongis, 4-septatis, 20-22 \approx 7-8, loculis 3 mediis fuliginis, extimis minutis, hyalinis, arista curvula unica, 4-6 μ . longa; stipite filiformi, 15-20 \approx 1,5.

Hab. in foliis Rubi fruticosi in Gallia (ROUMEGUÈRE). — *Pestalozziæ comptæ* et *P. monochætæ* subaffinis, a quibus præcipue arista brevi, curva et stipite brevi diversa.

43. **Pestalozzia compta** Sacc. Syll. III, p. 798 — var. **ramicola** Berl. 6968

et Bres. Micr. Trid. p. 81. — Acervulis sparsis, nitidis, atris; conidiis oblongo-fusoideis, 3-septatis, 12-15 \approx 5, utrinque acutiusculis, loculis 3 centralibus, melleo-fuscis, extimis hyalinis, apice 1-setigeris, basidiis longiusculis suffultis.

Hab. in ramulis emortuis Rosæ caninæ prope Trento. — Quoad *P. seiridioidem* Sacc. cfr. Berl. et Bres. Micr. Trid. p. 81, t. VI, f. 9.

44. **Pestalozzia discosioides** E. et E. Journ. Myc. 1888, pag. 51. — 6969

Maculis sordide brunneis, circ. 1 cm. diam., suborbicularibus; acervulis epiphyllis, erumpenti-superficialibus, sæpius elongatis, hysteriiformibus, $\frac{1}{4}$ - $\frac{1}{3}$ mm. long.; conidiis oblongo-fusoideis, subcurvulis, 3-septatis, flavido-hyalinis, loculis mediis terminalibus, paullo obscurioribus, 12-15 \approx 2,5, apice vel prope apicem setulâ obliquâ, 3-5 μ . long.; basidiis granulosis, conidio subæquilongis.

Hab. in foliis vivis Rosæ, Faulkland, Del. Amer. bor, (A. COMMONS).

45. **Pestalozzia monochætoidea** Sacc. Syll. III, p. 798 — var. **affinis** 6970

Sacc. et Briard in Rev. Myc. 1886. — Acervulis sparsis, punctiformibus vel oblongis, brunneis, erumpentibus; sporulis ovato-ellipticis, rotundatis v. basi attenuatis, rectis v. leniter curvulis, 3-septatis, loculo superiore conoideo, hyalino, inferiore obtusiore obscurioreque, intermediis olivaceis, pellucidis, 12-16 \approx 6-7, cilio unico, obliquo, 10 \approx 1; basidiis filiformibus, 10 \approx 1.

Hab. in sarmentis emortuis Vitis viniferæ, Troyes Galliæ (BRIARD).

46. **Pestalozzia viticola** Cavara Dissecc. grapp. p. 28, t. III, f. 15-16. 6971

— Maculis brunneis, variis, inæqualibus; acervulis lenticularibus,

erumpentibus; conidiis ovato-ellipticis v. cylindratis, 14-20 \times 5-6, basi attenuatis, curvulis, 3-5-septatis, loculo superiore obtusiore hyalino, inferiore conoideo hyalino, intermediis olivaceis, cilio unico obliquo, 10-12 \approx 1; basidiis filiformibus.

Hab. in baccis *Vitis viniferæ*, Stradella Ital. bor.

47. **Pestalozzia sarmenti** Passer. Diagn. F. N. IV, p. 15. — Acer- 6972
vulis sparsis v. paucis lineatim gregariis, epidermidem sublevantibus et per longitudinem findentibus; conidiis fusiformibus, triseptatis, loculis duobus intermediis castaneis, extremis hyalinis, 12,5 \approx 5; seta terminali unica, recta v. declinata, conidium subæquante vel superante; basidiis longissimis, conidio pluries longioribus.

Hab. in cortice vetusto sarmentorum *Vitis viniferæ*, Vignehffio pr. Parma.

48. **Pestalozzia Syringæ** Oud. Contr. Mycol. XIII, pag. 58, f. 40. — 6973
Conidiis piriformibus v. oblongis, subinde inæquilateralibus, 3-septatis, 15-20 \approx 6-7, loculis pallide fuscescentibus, extremis pallidioribus, apice cilio unico, 7 μ . long., hyalino tantum præditis, basi in caudam 7 μ . circ. long., a basidio diffracto superstitem, protrahentis; basidiis 35 μ . long., hyalinis.

Hab. in ramulis *Syringæ vulgaris*, Rijswijk Nederlandiæ (DESTREE).

49. **Pestalozzia consocia** Peck 39 Rep. p. 48, t. I, f. 8-9. — Maculis 6974
latissimis, folii dimidium interdum occupantibus, irregularibus, supra rubro-brunneis, subtus pallidioribus; acervulis amphigenis, minutis, punctiformibus, nigris; conidiis oblongo-fusoideis, 30-35 \approx 7,5, apice setula 22,5-27,5 μ . long. præditis, 5-septatis, loculis 4 mediis coloratis.

Hab. in foliis vivis *Hamamelidis virginianæ*, sociâ *Phyllostictâ Hamamelidis*, Day Amer. bor.

50. **Pestalozzia depazeæformis** Auersw. in Æsterr. bot. Zeitschr. 1868, 6975
p. 209. — Peritheciis (spuriis?) epiphyllis, maculis cinerescentibus atro-purpureo-marginatis, sparsim insidentibus; conidiis oblongis, fuscis, 3-septatis, 18 \approx 8, apice seta unica coronatis.

Hab. in foliis *Arbuti Uvæ-ursi* pr. Seis Tiroliaë australis (HEUFLER). — Habitus fere *Depazeæ* seu *Phyllostictæ*.

51. **Pestalozzia alnea** Har. et Br. Journ. de Bot. 1891, pag. 172. — 6976
Maculis aridis, brunneo-cinereis, orbicularibus, amphigenis, 5-7 mm. diam., linea brunnea, obscure circumcinctis; acervulis epiphyllis, punctiformibus, innatis, per epidermidem erumpentibus, rugosis, atris, $\frac{1}{5}$ - $\frac{1}{4}$ mm. diam.; conidiis ovato-oblongis, utrinque acutatis,

3-4-septatis, ad septa constrictulis, loculis mediis fuliginis, extremis hyalinis, 16-20 \approx 6-8, cilio hyalino sæpius arcuato, apice attenuato, 12-16 \approx 1-1,5; basidiis filiformibus, 12-16 \approx 1.

Hab. in foliis ægrotantibus Alni glutinosæ, Ville-sur-Terre, Aube Gallie (P. HARIOT).

52. **Pestalozzia nervalis** Ell. et Ev. Journ. Myc. 1889, pag. 157. — 6977

Acervulis subhysterioideis; conidiis angustis, ellipsoideis vel latis, oblongo-fusoideis, 4-septatis, loculis terminalibus hyalinis, parte colorata (loculis 3 mediis), circ. 14 \approx 6, loculo infero hyalino, 8-9 μ . long., apice setula obliqua, 8-9 μ . long. præditis.

Hab. in foliis vivis Quercus albæ, Racine, Wis. Amer. bor. (Doct. J. J. DAVIS).

53. **Pestalozzia uncinata** Ell. et Kell. Journ. Myc. 1889, p. 143. — 6978

Hypophylla, gregaria; peritheciis (?) scutatis, $\frac{1}{4}$ - $\frac{3}{4}$ mm. diam.; conidiis oblongis, pallidis, 4-septatis, ad septum secundum superum constrictis, 18-22 \approx 5-7, setula brevi, 5-7 μ . long., valida, curva apice præditis; basidiis gracilibus, 15-20 μ . long.

Hab. in foliis emortuis Quercus tinctoriæ, St. George Kansas Amer. bor. (KELLERMAN), sociâ *Chaetophomâ maculosâ*.

54. **Pestalozzia pallida** E. et E. Journ. Myc. 1888, p. 46. — Macu- 6979

lis definitis nullis; acervulis sæpius hypophyllis, sparsis, erumpentibus, discoideis, 75-150 μ . diam.; conideis fusoides, 3-4-septatis, loculis interioribus hyalino-flavidis, terminalibus omnino hyalinis et acutis, superiore in setulam 7-9 μ . long., incurvam productis, 12-14 \approx 3-3,5; basidiis 8-11 μ . long., subinde basi ramosis.

Hab. in foliis dejectis Quercus albæ, New Jersey (ELLIS), Ohio Amer. bor. (Doct. W. A. KELLERMAN). — *P. pallida* E. et Martin Journ. Myc. 1888, p. 104 eadem videtur.

55. **Pestalozzia taphrinicola** E. et E. Journ. Mycol. 1888, p. 104. — 6980

Acervulis amphigenis, minutis, punctiformibus, nigris; conidiis fusoides-oblongis, pallide brunneis, 3-4-septatis, ad septa sæpius constrictis, 16-22 \approx 6-7, setula apicali, obliqua, 4-7 μ . long. præditis; basidiis 6-8 μ . long.

Hab. parasitica in Taphrina cœrulescente, in foliis Quercus albæ et Q. coccineæ, Newfield, N. J. et Louisiana Americæ borealis.

56. **Pestalozzia camptosperma** Peck 39 Rep. p. 48, t. I, f. 10-11. — 6981

Acervulis minute cæspitosis, hypophyllis; conidiis fusoides, curvis, 3-septatis, 20-30 \approx 7-8, loculis 2 centralibus coloratis, 12,5 μ . long.,

loculo apicali hyalino, conico, in mucronem acuminatum desinentibus, loculo infero in basidium breve attenuatis.

Hab. in foliis emortuis Abietis balsameæ in montibus Adirondack Amer. bor.

3. *Pestalozzina* Sacc.

57. ***Pestalozzia Fautreyi*** Karst. et Roum. Rev. Myc. 1890, n. 47 (*Pestalozzina*). — Acervulis sparsis v. subgregariis, planiusculis, orbiculatis, primitus subcutaneis, atris, intus fuligineis, punctiformibus; conidiis elongatis v. cylindraceutis, rectis v. curvulis, 3-septatis, ad septa non constrictis, hyalinis, 26-28 \approx 4, setulis 4-6 apicalibus, 15-25 \approx 0,5 instructis.

Hab. in ramulis aridis Loniceræ Caprifolii pr. Noidan Gallicæ (F. FAUTREY).

SEPTOGLÆUM Sacc. Syll. III, p. 801.

1. ***Septoglœum Ampelopsidis*** (Ell. et Ev.) Sacc., *Glœosporium* Ell. et Ev. Journ. Myc. 1889, p. 155. — Maculis irregularibus, angulosis, folii venulis limitatis, 2-3 mm. diam., viridulis; acervulis amphigenis, prominulis; conidiis clavato-cylindraceutis, 5-9-septatis, 30-35 \approx 4-4,5.

Hab. in foliis languidis Ampelopsidis quinquefoliæ, Racine, Wis. Amer. bor. (Doct. J. J. DAVIS).

2. ***Septoglœum Clusiæ*** Karst. et Har. Journ. Bot. 1890, p. 362. — Acervulis epiphyllis, raro hypophyllis, sparsis, immersis, solito orbicularibus, epidermide bullosa, dein laciniatim fissa v. circumscissa velatis, perithecioides, atratis, circ. 0,2 mm. lat.; conidiis cylindraceutis, hyalinis, obscure 3-5-septatis, loculis 1-guttulatis, 24-30 \approx 2-3,5.

Hab. ad folia Clusiæ in Novo-Granata Amer. austr.

3. ***Septoglœum acerinum*** (Pass.) Sacc. Syll. III. p. 802. — Sec. Ell. Journ. Myc. species occurrit quoque in foliis Aceris dasycarpi. Columbia Mo. Amer. bor. et præbet conidia 18-22 \approx 3, verisimiliter serius 3-septata, ut certe illa in Thüm. M. U. n. 93.

4. ***Septoglœum defolians*** Harkness Fung. Pac. Coast. pag. 161. — Acervulis carneis, folia petiolosque occupantibus; conidiis 3-7-septatis, non vel vix curvis vel flexuosis, 68 \approx 4.

Hab. in Quercu Kelloggii, Sierra Nevada Californiæ. — «An *Cylindrosporium*?»

5. ***Septoglœum profusum*** (E. et E.) Sacc., *Glœosporium profusum*

E. et E. Journ. Myc. 1888, p. 104. — Maculis epiphyllis, flavis; acervulis sparsis, hypophyllis, magnis; conidiis albo-cirrose exeuntibus, cylindraceo-oblongis, granulosis, 3-septatis, 25-30 \times 6-7.

Hab. in foliis vivis Coryli americanæ, Vicksburg, Missouri Amer. bor. (Prof. S. M. TRACY).

6. **Septoglœum podophyllum** (Ell. et Ev.) Sacc., *Glæosporium podophyllum* Ell. et Ev. Journ. Myc. 1888, pag. 103. — Maculis late brunneis, 1 cm. lat., margine atro-viridule cinctis; acervulis amphigenis, albis, erumpentibus; conidiis ovatis, 12-15 \times 5-7 vel oblongo-cylindraceis, rectis curvulisve, hyalinis, 1-3-septatis, 20-35 \times 4-7.

Hab. in foliis vivis Podophylli peltati, Concordia, Mo. Amer. bor. (C. H. DEMETRIO).

7. **Septoglœum? dimorphum** Sacc. in litt. ad Bresad. 1890, *Kriegeria Eriophori* Bres. Rev. Myc. 1891, p. 14, t. CXIII. — Acervulis lineatim juxta nervos parallelis, innatis, mox superficialibus, tremellinis, dilute succineis; conidiis initio stellatim fasciculatis, subsessilibus, oblongis vel clavatis, dein longius stipitatis, postremo cylindraceo-oblongis, parallele fasciculatis, 3-septatis, leniter constrictis, 45-50 \times 9-11, apice subrotundatis, stipite filiformi tortuoso fragili, 25-30 \times 1, sæpe curvo fultis, hyalinis, initio granulosis.

Hab. in foliis vivis Eriophori angustifolii, in agro Nossen Saxonie (KRIEGER). — Nuclei visi omnino eructati, sed intra folia mycelium filiforme guttulatim copiosum adest prætereaque fungus alcohole tractatus evidentius endogenus apparet. Adsunt cum fungillo copiosa corpuscula minima globulosa, ovoidea v. oblonga, inæqualia, 1-3 μ . long., hyalina, saccharomycetoidea (e germinatione fungi orta?).

8. **Septoglœum oxysporum** Bomm. Rouss. Sacc. Contr. Myc. Belg. IV, p. 294. — Acervulis innatis, seriatis, epidermide atrata, dein longitudinaliter rimosa tectis; conidiis anguste fusoides, 30-33 \times 4, curvulis, 2-3-septatis, loculo infero tenuato non pedicellato, loculo supero sublineari, acuto, curvo, 9-12 μ . longo.

Hab. in foliis graminum, Bois de la Cambre pr. Bruxelles Belgii.

9. **Septoglœum septorioides** Pass. in Erb. Critt. Ital. Ser. II, n. 1492. — Acervulis epiphyllis, tectis, subglobosis; conidiis bacillaribus, pluriseptatis, ad septa non vel varie constrictis, articulis interdum 1-2-guttulatis et quandoque secedentibus, hyalinis, 22,5-38 \times 5-7.

Hab. ad frondes languidas, mox arescentes Pteridis aquilinae prope Parma Ital. bor.

PROSTHEMIELLA Sacc. Syll. III, p. 803.

1. **Prosthemella hysteroioides** Ell. et Langl. Journ. Myc. 1890, p. 37. 6991

Acervulis sparsis, minutis, punctiformibus v. hysteroioides, perithecio spurio supra tectis, matricem rubefacientibus; conidiis ternatis, cylindræis, nucleatis v. obsolete 5-6-septatis, 30-35 \approx 1,5, hyalinis, basidio brevi tereti suffultis.

Hab. in ligno decorticato Salicis nigræ, pr. New Orleans La. Amer. bor. (LANGLOIS). — *Prosth. formosa* Sacc. Syll. III, p. 803, videtur fungillus idem, quem ill. Tulasne, Carp. III, t. X, f. 7, ut st. conidicum *Nectricæ armeniacæ* illustravit.

PSAMMINA Rouss. et Sacc. Contr. Myc. Belg. IV, pag. 295 (Etym. *psammos* arena). — Acervuli subepidermici, tenues, submucosi. Conidia cylindræa, septata, hyalina, numerosa, basi persistenter cohærentia, radiatim divergentia capitulumque subhemisphæricum formantia. — Videretur pusio *Prosthemielle*.

1. **Psammia Bommeriæ** Rouss. et Sacc. l. c. — Acervulis sparsis, 6992

mucosis, subolivaceis, innatis; conidiis cylindræis, hyalinis, 2-5-septatis, 20-30 μ . longis, basi numero 15-25 coalitis et capitulum subhemisphæricum discretum formantibus, demum emergentibus et in granula exigua pallida fugacia concretis.

Hab. in foliis *Ammophilæ arenariæ*, Knocke, Ostende Belgii et in Nederlandia.

Sect. 5. Scolecosporæ.

CYLINDROSPORIUM Ung. — Syll. III, p. 737.

I. In Dicotyledoneis lignosis.

1. **Cylindrosporium nanum** Cooke in Grevillea XIV, p. 130. — Hy- 6993

pophyllum; maculis angulatis, nervulis limitatis, canescentibus; acervulis minutis, albidis; conidiis cylindræis, rectis, hyalinis, denique emergenti-superficialibus, 3-10 \approx 1.

Hab. in foliis vivis Juglandis, New Zealand (KIRK). — Affine *C. microspermo*.

2. **Cylindrosporium microspilum** Sacc. et Wint. Misc. Myc. II, p. 16, 6994

n. 73. — Maculis epiphyllis, circularibus, perexiguis, albis, tenui-

ter atro-marginatis; acervulis amphigenis, innatis, punctiformibus, pallidis; conidiis bacillaribus, curvulis, utrinque rotundatis, 50-60 \approx 4, spurie 4-6-septatis, hyalinis.

Hab. in foliis quercinis, Missouri Amer. bor. (DEMETRIO, communicavit cl. WINTER).

3. **Cylindrosporium Dearnessii** Ell. et Ev. Proc. Acad. Phil. 1891, 6995 p. 83. — Maculis rubro-brunneis, orbicularibus, 2-3 mm. diam., margine subobscurioribus; acervulis paucis, amphigenis, centro macularum confertis, 100-120 μ . diam.; conidiis cylindraceutis, granulosis, dein 3-pluriseptatis, sæpe semicirculariter incurvis, 35-40 \approx 2,5-3, in massas subfloccosas erumpentibus.

Hab. in foliis Carpini americanæ, London Canada Americæ borealis.

4. **Cylindrosporium? oculatum** Ell. et Ev. Journ. Myc. 1889, p. 155. 6996 — Maculis amphigenis, 3-5 mm. diam., griseo-albis, margine angusto elevato, obscuriore donatis; acervulis innatis, amphigenis, flavidis, demum nigricantibus, majusculis, $\frac{1}{5}$ mm.; conidiis clavato-cylindraceutis, curvis, 30-50 \approx 3, demum 3-pluriseptatis.

Hab. in foliis Populi moniliferæ, Put-in-Bay, Ohio Amer. bor. (Doct. J. J. DAVIS).

5. **Cylindrosporium saccharinum** Ell. et Ev. Journ. Myc. 1889, p. 155. 6997 — Maculis amphigenis, numerosis, sparsis, subangulosis, minutis, sæpius 1 mm. diam., viridi-nigris, demum obscurioribus; acervulis hypophyllis, minutis, confertis, supra nigris; conidiis graciliter cylindraceutis, plus minus curvis, hyalinis, granulosis, demum obsolete 3-septatis, 30-40 \approx 2,5-3, in massulas albas erumpentibus.

Hab. in foliis vivis Aceris saccharini, Racine, Wis. Amer. bor. (Doct. J. J. DAVIS).

6. **Cylindrosporium Fraxini** (Ell. et Kell.) Ell. et Ev. in Journ. of 6998 Myc. 1885, p. 127, *Cercospora Fraxini* Ellis et Kell. in Journ. of Myc. 1885, p. 2. — Sparsum in pagina inferiore foliorum; maculis brunneis, parvis, nervis limitatis, demum confluentibus, $\frac{1}{2}$ -1 cm. latis, margine irregulari cinctis; basidiis dense coalitis, subhyalinis, brevibus, 16-26 μ . longis, laxis, basi vix inflatis; conidiis cylindraceutis, subhyalinis vel vix luteolis, 3-4-septatis, granulosis nucleatisque, 70-100 \approx 5-6, non vel vix curvulis, utrinque obtusis.

Hab. in foliis Fraxini viridis, Kansas Amer. borealis (KELLERMAN).

7. **Cylindrosporium Viridis** Ell. et Ev. Journ. Myc. 1889, p. 155. — 6999 Maculis numerosis, in epiphylo atro-purpureis, suborbicularibus,

3-4 mm. diam., margine subindefinitis, centro parvo, 1 mm. vel minus diam., rubiginoso donatis, in hypophyllo sordide brunneis, 1-2 mm. lat.; acervulis 3-6 in quoque maculæ centro, subtus prominentibus, supra apertis; conidiis in massas niveas exeuntibus, cylindræo-fusoideis, 30-35 \times 2,5, guttatis, semiorbiculariter incurvis.

Hab. in foliis vivis Fraxini viridis, St. Martinsville, La. Amer. bor. (LANGLOIS).

8. **Cylindrosporium minus** E. et K. Journ. Myc. 1887, p. 105. — Ma. 7000
culis subangulosis, 3-4 mm. lat., rubro-brunneis, centro pallidioribus; acervulis innatis, majusculis, plerumque in epiphylo apertis, demum nigris; conidiis anguste cylindræis, incurvis, guttatis, hyalinis, 35-40 \times 2.

Hab. in foliis vivis Fraxini viridis, Manhattan, Kansas Amer. bor. (KELLERMAN). — « An diversum a præcedente? »

9. **Cylindrosporium Ceanothi** Ell. et Ev. Proc. Acad. Phil. 1891, p. 84. 7001
— Maculis minutis, brunneo-atris, dense sparsis, plus minus confluentibus, infra pallidioribus; acervulis amphigenis ratione amplis, conidiis vermicularibus, curvulis, 1-3-septatis, 35-45 \times 4, in circum compactiusculum carneum exeuntibus.

Hab. in foliis Ceanothi thyrsiflori in mont. Santa Cruz pr. Fulton Cal. Amer. bor. (UNDERWOOD).

10. **Cylindrosporium Rubi** Ell. et Morg. in Journ. of Myc. 1885. — 7002
Maculis amphigenis, brunneo-griseis, sursum definitis, 2-3 cm. d., subinde confluentibus, tomento foliorum absconditis; acervulis epiphyllis, punctiformibus, subcutaneis, demum suberumpentibus, pallidis; conidiis filiformibus, una extremitate acutis, rectiusculis vel vix curvatis, 3-6- sæpius 3-septatis, hyalinis, 40-55 \times 2,5; basidiis minutis.

Hab. in foliis vivis Rubi strigosi culti in Amer. bor. (Doct. J. BROWN).

11. **Cylindrosporium Pruni-Cerasi** C. Mass. Contr. Mic. Ver. p. 104, 7003
t. IV, f. 24. — Acervulis minutis, subpunctiformibus, hypophyllis, epidermide subtumida velatis, dein erumpentibus, in maculis amphigenis, exaridis, fuscescentibus, haud marginatis dense effusis; conidiis (paraphysibus? 3 μ . crassis intermixtis) exilissimis, filiformibus, hyalinis, continuis, magnis minusve subcurvulis (vix subflexuosis), 18-25 \times 1.

Hab. in foliis languescentibus Prunis Cerasi, Calavena pr. Tregnago, Verona. — Ad *Cylindrosporium Padi* accedit sed dimensio conidiorum diversa.

12. ***Cylindrosporium cercosporoides*** E. et E. Journ. Myc. 1887, p. 22. 7004

— Maculis amphigenis, suborbicularibus, 1 cm. lat., brunneis, subindefinitis; acervulis hypophyllis, punctiformibus, minutis; conidiis erumpentibus, filiformibus, multiguttatis, 130-170 \approx 3-3,5 hyalinis; basidiis obovatis?

Hab. in foliis vivis *Liriodendri Tulipiferae*, Washington Amer. bor. (Prof. F. L. SCRIBNER).

13. ***Cylindrosporium aureum*** Speg. Guar, I, p. 158. — Maculis epi- 7005

phyllis, indeterminatis, parum manifestis, fuscescentibus, 3-15 mm. diam., irregulariter effusis; acervulis laxè in maculis aggregatis, parvulis, 80-90 μ . diam., lenticularibus, epidermide infuscata centroque ostiolato-perforata tectis; conidiis in cirros aureos protrudentibus, subfusoideo-linearibus, hamatis v. falcatis, utrinque acute rotundatis, 12-15 \approx 1, continuis, hyalinis.

Hab. ad folia viva *Tecomæ* sp. cujusdam in silva pr. Guarapì Brasiliæ.

14. ***Cylindrosporium septorioides*** Speg. F. Puigg. n. 451. — Macu- 7006

lis orbicularibus, 1-2 mm. diam. fulvescentibus, determinatis, areola latiuscula sanguineo-purpurea cinctis, sparsis; acervulis amphigenis in centro macularum 3-10-aggregatis primo tectis dein erumpentibus, lenticularibus 60-80 μ . diam. fuscidulis; conidiis filiformibus superne sæpe subattenuatis utrinque acutiusculis 30-40 \approx 2 rectis v. subcurvulis, 3-5-septatis, ad septa non constrictis, hyalinis.

Hab. ad folia subcoriacea *Hireæ* speciei cujusdam in nemorosis prope Apiahy Brasiliæ.

II. *In Dicotyledoneis herbaceis.*15. ***Cylindrosporium Clematidis*** E. et E. Journ. Myc. 1887, p. 22. 7007

— Maculis amphigenis, rubido-brunneis, rotundis vel angulosis, 1-3 mm. diam.; acervulis paucis, epiphyllis, immersis, sparsis; conidiis fusoideo-linearibus, 75-80 \approx 2,5-3, guttatis, dein multiseptatis, subcurvulis.

Hab. in foliis vivis *Clematidis virginianæ*, Faulkland, Delaware Amer. bor. (A. COMMONS).

16. ***Cylindrosporium Brassicæ*** Fautr. et Roum. Rev. Myc. 1891, 7008

p. 81. — Maculis numerosis, irregularibus, magnis, sordide albis; conidiis hyalinis, eguttatis, rectis, curvis, 80-120 \approx 3-4, dein 1-3-septatis.

Hab. in foliis *Brassicæ Napobrassicæ*, Noidan, Côte-d'Or Galliæ (F. FAUTREY).

17. **Cylindrosporium Capsellæ** E. et E. Journ. Myc. 1887, p. 130. — 7009

Maculis amphigenis, rotundis, 1-4 mm. lat., supra subdepressis, albidis; conidiis in epiphylo erumpentibus, cylindræis, granulosis, dein tenuissime 3-septatis, septo medio magis distincto, 35-45 \approx 3; basidiis elongatis, continuis.

Hab. in foliis vivis Capsellæ Bursæ-Pastoris, Columbia, Montana Amer. bor. (B. T. GALLOWAY).

18. **Cylindrosporium Saponariæ** Roum. in Rev. Myc. 1885, pag. 27. 7010

— Maculis hypophyllis, magnis, orbicularibus, sæpe confluentibus, æruginosis, griseolis; basidiis rectis, brevibus, hyalinis, 40-45 \approx 3, 1-2-septatis; conidiis cylindræis, simplicibus, hyalinis, 10-40 \approx 3-5.

Hab. in foliis vivis Saponariæ officinalis, Fontainebleau Galliæ. — «An *Glæosporium?*»

19. **Cylindrosporium circinans** Wint. in Journ. of Myc. 1885. — 7011

Acervulis epiphyllis, magnis, plerumque circinatim vel concentricè stipatis, rarius inordinate gregariis, rotundato-angulatis v. irregularibus, sæpe confluentibus, orbes vel maculas, usque 15 mm. latas, fusco vel sordide-griseas formantibus, margine elevato, obscuriori, varie flexuoso circumdatis, applanatis; conidiis cylindrico-fusiformibus, utrinque acutiusculis, parce septatis, hyalinis, sæpe flexuosis, 20-30 \approx 1,5.

Hab. ad folia viva Sanguinariæ canadensis, Perryville Missouri Amer. bor. (G. H. DEMETRIO).

20. **Cylindrosporium Geranii** E. et E. Journ. Mycol. 1888, p. 52. — 7012

Maculis amphigenis, albidis, rubenti-marginatis, 3-4 cm. lat.; acervulis minutis, copiosis, pallidis, utraque pagina erumpentibus; conidiis tenuibus, 30-50 \approx 1,5-2, continuis, hyalinis, ex hyphis seu basidiis brevibus subconicis, 6-8 μ . long. oriundis.

Hab. in foliis vivis Geranii caroliniani, St. Martinsville La. Amer. bor. (LANGLOIS). — Conidia demum exsiliunt et matricem albo-pruinosa reddunt.

21. **Cylindrosporium Oxalidis** Trail Scot. Nat. 1887, p. 89, Grev. XV, 7013

p. 110. — Maculis brunneis, siccis, rotundis, pallide marginatis, 1-3 mm. diam., acervulis sparsis, subcutaneis; conidiis filiformibus, utrinque leniter tenuatis, curvis, 20-25 \approx 1, hyalinis per porum latum ejectis.

Hab. in foliis Oxalidis Acetosellæ pr. Aberdeen Scotiæ.

22. **Cylindrosporium Heraclei** E. et E. Journ. Mycol. 1888, p. 52. — 7014

Maculis pallidis dein brunneis, subangulosis, venulis limitatis confluentibusque et areas latiores brunneas formantibus; acervulis in-

natis, majusculis, sæpius erumpentibus; conidiis fasciculatis, fusoido-cylindricis, granuloso-nucleatis, subinde spurie 1-septatis, utrinque tenuatis et valde curvatis, 50-60 \approx 3-4, dein in massam pallidam ejectis.

Hab. in foliis Heraclei lanati, sociâ *Phyllachorâ*, Ogden Utah Amer. bor. (TRACY).

23. **Cyndrosporium Pimpinellæ** C. Massal. Bot. Centr. 1890, n. 26, 7015 p. 385. — Acervulis subpunctiformibus, convexo-applanatis, amphigenis, in maculis minutis, exaridis, 1-6 circ. insidentibus; conidiis subcirrose expulsis, hyalinis, cylindræo-fusifformibus, continuis, multiguttatis, magis minusve arcuatis subsemicircularibusve, 30-44 \approx 3-5.

Hab. in foliis languidis Pimpinellæ nigræ, sociis stromatibus sterilibus *Phyllachoræ* sp. prope Tregnago in agro veronensi Italiæ borealis. — « An varietas præcedentis? »

24. **Cyndrosporium septatum** Romell in litt. — Maculis distinctius 7016 epiphyllis minutis, angulosis, internerviis, fuscescentibus, subinde confluendo amplis; acervulis exiguis, innatis vix erumpentibus, fuscis; conidiis filiformibus vel leniter clavulatis, 5-7-septatis, rectis curvulisve, hyalinis, 60-100 \approx 2,5-3; basidiis brevibus, 12-27 \approx 1-3 vel a conidiis parum diversis.

Hab. in foliis vivis vel languidis Laserpitii latifolii pr. Stockholm Sueciæ (L. ROMELL).

25. **Cyndrosporium Cicutæ** Ell. et Ev. Proc. Acad. Phil. 1891, p. 83. 7017 — Maculis sordide brunneis, amphigenis, 1-2 mm., suborbicularibus, venulis partim limitatis; acervulis minutis, innatis, 70-80 μ . diam., vix perspicuis; conidiis 20-30 \approx 1,5, raro 35 μ . long., guttatis, subrectis, uno apice crassioribus, viridescenti-hyalinis in cirros albos erumpentibus.

Hab. in foliis vivis Cicutæ maculatæ, London, Canada Americæ bor. (J. DEARNESS).

26. **Cyndrosporium Eryngii** E. et K. Journ. Myc. 1887, p. 104. — 7018 Acervulis minutis, innatis, amphigenis, seriatis; conidiis cylindraceis, subcurvis, multiguttatis, dein multiseptatis, 70-80 \approx 3-4; basidiis brevibus non evolutis.

Hab. in foliis vivis Eryngii yuccifolii, Mound City, Kansas Amer. bor. (W. A. KELLERMAN). — *C. veratrino* affine.

27. **Cyndrosporium Ziziæ** Ell. et Ev. Proc. Acad. Phil. 1891, p. 83. 7019 — Maculis amphigenis, subangulosis, sæpius subelongatis, parvis, 2-3 mm. long., 1-1,5 mm. lat., nigricantibus, venulis limitatis;

acervulis numerosis, confertis, minutis, nigris; conidiis cylindraceo-vermicularibus, 40-60 \times 5-6, guttatis, dein 3-6-septatis, subcurvis, in cirros albos erumpentibus.

Hab. in foliis vivis Ziziæ cordatæ, Racine, Wis. Americæ borealis.

28. **Cylindrosporium Triostei** Kell. et Sw. Journ. Mycol. 1889, p. 73. 7020

— Maculis indefinitis, amphigenis, flavo-viridibus, primo 0,5-1 mm. diam., demum interdum confluentibus et 2-5 mm. diam.; acervulis amphigenis, sparsis, circ. 150-300 μ . diam., dilute flavidis; basidiis pallidis copiosis, irregularibus, parum ramosis, 15-30 \times 4-5; conidiis copiosis, subhyalinis, elongato-fusoideis, sæpius eximie incurvatis, utrinque obtusis vel subinde acutis, 3-4-septatis, ad septa non constrictis, 35-67 \times 4-6.

Hab. in foliis Triostei perfoliati, Manhattan Amer. bor.

29. **Cylindrosporium Apocyni** E. et E. Journ. of Myc. 1887, p. 22. — 7021

Maculis amphigenis, atro-brunneis, subindefinitis, fere irregularibus, 2-4 mm. diam., subconcentrice zonatis, subconfluentibus; acervulis minutis, numerosis, sæpius epiphyllis; conidiis 50-80 \times 4-5, vermiculari-cylindræis, plus minus inconspicue 3-5-septatis.

Hab. in foliis Apocyni androsæmifolii, Faulkland, Del. Amer. bor. (A. COMMONS).

30. **Cylindrosporium Humuli** E. et E. Journ. of Mycol. 1887, p. 21. 7022

— Maculis amphigenis, sed plerumque hypophyllis, minutis, angulosis, venulis limitatis, ferrugineo-brunneis; acervulis minutis, amphigenis, nigris; conidiis subcylindricis, hyalinis, granulosis et nucleatis, 40-50 \times 3, in cirros albidos crassos mox diffusos ejectis.

Hab. in foliis vivis Humuli Lupuli, Faulkland Del. Amer. bor. (A. COMMONS).

III. *In Monocotyledoneis.*

31. **Cylindrosporium Iridis** Ell. et Halst. Journ. Myc. 1890, p. 34. — 7023

Acervulis minutissimis, numerosis, subcutaneis, nigricantibus, parallele longe seriatis; conidiis acicularibus, continuis, hyalinis, 15-22 \times 1, ejectis matricem albo-pruinosa reddentibus; hyphis brevibus, 8-10 \times 2, subhyalinis, vulgo sursum denticulatis.

Hab. in foliis vivis Iridis, Jowa City Amer. bor. (H. S. HITCHCOCK).

32. **Cylindrosporium guttatum** Wint. Grev. XV, p. 92. — Acervulis 7024

paucis in foliorum pagina inferiori gregariis, maculis rotundato-irregularibus, fuscidulis, indeterminatis, minutis insidentibus, in-

terdum autem sine macula sparsis, sub epidermide parum inflata, demum vertice perforata nidulantibus, rotundatis, depresso et late subconoideis; conidiis filiformibus, tenuissimis, hyalinis, flexuosis, 53-70 \approx 2, in massam ceraceam pallidam majusculam (guttiformem) expulsis.

Hab. in foliis languidis Hypoxidis, Sao Francisco Brasiliæ (ULE).

33. **Cylindrosporium Angustifoliæ** Ell. et Kell. in Journ. of Myc. 7025
1886, pag. 81. — Maculis amphigenis, ovoideis, $\frac{1}{2}$ - $\frac{3}{4}$ \approx $\frac{1}{4}$ cm., brunneis, margine obscuro cinctis; acervulis erumpentibus, olivaceis, primo epidermide tectis; conidiis ab iis *C. Tradescantiæ* vix distinguendis; basidiis simplicibus, brevibus, 2-3-cellulis concatenatis efformatis.

Hab in foliis vivis *Yuccæ angustifoliæ*, Manhattan, Kansas Amer. bor. (KELLERMAN).

34. **Cylindrosporium Tradescantiæ** Ell. et Kell. in Journ. of Myc. 7026
1886, pag. 81. — Conidiis erumpentibus, in capitula carnea coalitis, cylindraceo-vermicularibus, una extremitate acutioribus, 65-80 \approx 4-5, 4-6-septatis, primo granulosis vel nucleatis; basidiis indistinctis vel obsoletis.

Hab. in foliis vivis *Tradescantiæ virginicæ*, Manhattan, Kansas Amer. bor. (KELLERMAN).

35. **Cylindrosporium inconspicuum** Wint. in Magn. Verz. Graub. p. 69. 7027
— Acervulis discretis nullis; maculis irregularibus, usque 20 mm. long., sæpe confluentibus, totum folium occupantibus, pallide fuscis, exaridis, demum centro pallidioribus, amphigenis; conidiis filiformi-cylindraceis, utrinque attenuatis, 3-5-septatis, interdum curvatis, hyalinis, 60-100 \approx 3,5.

Hab. in foliis *Lilii Martagonis*, Graubünden Helvetiæ.

36. **Cylindrosporium aquaticum** (F. et R.) Sacc. *Scoleciasis aquatica* 7028
Fautr. et Roum. Rev. mycol. 1889, p. 199. — Acervulis mediis epidermide indurata atrataque limitatis; hyphis subinde longissimis v. nullis; conidiis aciculari-vermiformibus, 120-160 \approx 4, utrinque acuminatis. varie curvatis, nucleatis flavidis.

Hab. in foliis siccis *Sparganii* et calamis *Scirpi lacustris* in Gallia. — Cum *Sept. lacustri* comparanda species, ex ipsis auctoribus. Forma **Junci** Fautr. Rev. Myc. 1890, p. 168: conidiis 120 \approx 3,5. In *Junco compresso*, Cote-d'Or, Gallia.

37. **Cylindrosporium Olyræ** Speg. Fl. Guar. nonn. n. 153. — Epiphyllum, sparsum, minutissimum, erumpens, fusco-flavescens, 60-90 μ .

diam., zonula sordide aurantia cinctum; conidiis subcylindræis, continuis vel parce septatis, hyalinis, subrectis, utrinque obtusulis, 30-40 \approx 1,5-2.

Hab. in foliis vivis languidisve Olyræ speciei in dumetis pr. Guarapî Brasiliæ.

CRYPTOSPORIUM Kunze. — Syll. III, p. 741.

1. **Cryptosporium Hippocastani** Cooke in Grevillea XIII, p. 4. — 7030

Stromate corticali, tecto, dein cortice erumpente, longitudinaliter confluyente, pallido; conidiis oblongo-fusoideis, continuis, enucleatis, obtusiusculis, 18-20 \approx 5; basidiis simplicibus vel furcatis, conidio duplo longioribus.

Hab. in ramulis Æsculi Hippocastani, Kew Britannia. — Affine *C. coronato*.

2. **Cryptosporium lunulatum** Bäuml. Crypt. Presb. p. 26. — Acervu- 7031

lis initio subcutaneis, aggregatis vel seriatis, pallidis, dein epidermide lacerata erumpentibus; conidiis fusiformibus, utrinque attenuatis, lunatis, guttulatis, hyalinis, 30-40 \approx 5-6, basidiis brevissimis suffultis.

Hab. in ramulis nondum emortuis Sarcothamni scoparii, Pressburg Hungariæ.

3. **Cryptosporium nigrum** Bon. — Syll. III, p. 743. — Sec. C. Mass.

Contr. Mic. Ver. pag. 104, conidia subfusoideo-cylindræa, recta v. subfalcato-allantoidea, utrinque obtusa, hyalina, 8-14 \approx 1,5-2,5; acervuli punctiformes, hypophylli, innato-erumpentes, cuticula atrata tecti. Occurrit quoque in foliis Juglandis prope Cogolo agri veron.

4. **Cryptosporium Androsaces** Rostr. Bidr. Ascom. Dovr. p. 13. — Pe- 7032

ritheciis corticulis, sparsis, discoideis, rufis; conidiis fusoideis, continuis, hyalinis, 23-27 \approx 3.

Hab. in caulibus Androsaces septentrionalis, Dovre Norvegiæ.

5. **Cryptosporium nubilosum** Ell. et Ev. Journ. Myc. 1889, p. 156. — 7033

Acervulis innatis, vix erumpentibus, nigris, 80-110 diam., seriatim gregariis; conidiis lunato-fusoideis, 15-20 \approx 8,5, hyalinis vix guttatis.

Hab. in foliis emortuis vel semiemortuis Caricis (pensilvanicæ?), Newfield, N. J. et Montana Amer. bor.

LIBERTELLA Desm. — Syll. III, p. 745.

1. **Libertella Gleditschiæ** Winter in Journ. of Myc. 1885. — **Acer-** 7034
vulis difformibus, immersis, intus pallidis, linea atra circumdatis;
conidiis in cirros plerumque filiformes, contortos, aurantiacos erum-
pentibus, filiformi-fusoideis, valde curvatis, tenuissimis, hyalinis,
17-25 \approx 1.

Hab. ad corticem putridum *Gleditschiæ Triacanthi*, Mis-
souri Amer. bor.

NÆMOSPORA Pers. — Syll. III, p. 746.

1. **Næmospora Tiliæ** G. Delacroix Bull. Soc. Myc. Fr. 1890, p. 184, 7035
tab. XX, fig. VII. — Acervulis undulatis, peridermio tectis, fu-
scis, nucleo albido; conidiis hyalinis, cylindraceis, utrinque obtu-
sis, rectis, 6-8 \approx 1, in cirrum longissimum, crassum luteo-aurantia-
cum, expulsis; basidiis acicularibus, 20-25 \approx 0,7, ramosis fascicula-
tisque.

Hab. in cortice *Tiliæ silvestris*, Montreuil-sous-Bois, pro-
pe Parisios Galliæ.

2. **Næmospora microsperma** Ell. et Ev. Journ. Myc. 1889, p. 156. 7036
— Nucleis per 1-2 cm. inter corticis laminas confluentibus, atro-
purpureis; conidiis ovatis v. ellipsoideis, minutis, 2-2,5 \approx 1,5-2, in
massas v. cirros rubentes copiose exeuntibus; basidiis 12-15 \approx 1,5.

Hab. in cortice *Aceris saccharini*, London, Canada Amer.
bor. (J. DEARNES).

3. **Næmospora gummosa** Passer. Diagn. F. N. IV, n. 130. — Nucleis 7037
hypodermicis gregariis fuscis, per epidermidem sublevatam et lon-
gitudinaliter fissam globulum ceraceo-gummosum eructantibus;
conidiis minimis bacteriformibus hyalinis, 2-2,5 \approx 0,8; basidiis te-
nuissimis, simplicibus vel parce ramulosis interdum usque ad 60
 μ . long.

Hab. in ramis siccis *Paulowniæ imperialis* in orto bota-
nico Parma.

4. **Næmospora Fici** (Brond.) Sacc. *Libertella* Brond. Rec. Pl. Crypt. 7038
Agen. p. 31, t. VIII, f. 3-5. — Acervulis subepidermicis; conidiis
fusoideis, subincurvis, utrinque obtusulis hyalinis, continuis, in cir-
ros aurantios erumpentibus.

Hab. in ramis *Fici Caricæ*, Agen Galliæ.

MORINIA Berl. et Bres. Micr. Trid. p. 82 (1889). (Etym. a cl. prof. F. MORINI), *Pestalozziana* Passer. Diagn. F. N. V, n. 48 (ut subgen.). — Acervuli sparsi, erumpentes, pulvinati, atri. Conidia oblonga pluriseptato-muriformia, colorata, loculis extimis subhyalinis, apice pluriciliata. Basidia filiformia, hyalina. — Est *Pestalozzia* conidiis murali-divisis.

1. **Morinia pestalozzioides** Berl. et Bres. Micr. Trid. pag. 82, t. VI, 7039 f. 10, *Pestalozzia* (*Pestalozziana*) *Artemisiæ* Pass. loc. cit. — Acervulis sparsis, epidermide tectis, dein erumpentibus, minutis, atris, pulvinatis, oblongo-rotundatis, longitudinaliter dehiscentibus; conidiis oblongis, obtusiusculis, transverse 5-septatis, loculis mediis 1-3 septulo longitudinali divisis, 22-24 \approx 8-10, apice setis 3, tenuibus, divergentibus, 14-20 \approx 1 ornatis, melleo-brunneis, loculis extimis subhyalinis, ceteris valde minoribus; basidiis brevibus, hyalinis (septulatis sec. cl. Pass.).

Hab. in caulibus emortuis *Artemisiæ camphoratae* prope Trento et Vigheffio pr. Parma.

STEGANOSPORIUM Corda. — Syll. III, p. 803.

1. **Steganosporium cenangioides** Ell. et Rothr. in Journ. of Myc. 1885. 7040 — Stromatibus erumpentibus, tuberculiformibus, excavatis et sursum discoideis, margine demum expanso et tum Pezizulam atram simulantibus; conidiis latis, oblongo-fusoideis vel ovato-oblongis, endochromate 5-8 partito, muriformi, 35-40 \approx 10-15, pedicellatis.

Hab. in ramulis emortuis *Abietis balsameæ*, West Chester Amer. bor. (ROTHROCH).

2. **Steganosporium Castaneæ** Lib. in Brunaud Contrib. à la Flore 7041 Myc. de l'Ouest pag. 21. — Acervulis magnis, epidermide velatis, dein erumpentibus, brunneo-olivaceis; conidiis oblongo-ellipsoideis, rectis vel curvatis, sæpius 6-septatis, brunneis, 50-58 \approx 14.

Hab. in ramis emortuis *Castaneæ* in Gallia, Germania et in Belgio. — Est st. conidicus *Melanconidis modoniæ*. Cfr. Tul. Carp. II, pag. 141 c. icon.

3. **Steganosporium? variabile** Bon. in Hedw. 1876, p. 83. — Acer- 7042 vulis parum elevatis; sacculis « (?) » tenuissimis, lentiformibus, ostiolo simplici pertusis; strato prolifero mucoso-griseo; basidiis clavatis et stipitatis (« stipatis? »); conidiis nigris, cylindratis, utrinque rotundatis, triseptatis, muco obvolutis.

Hab. in fructibus putrescentibus in Guestphalia.

PHRAGMOTRICHUM K. et S. — Syll. III, p. 806.1. **Phragmotrichum gigasporum** Schulz. Bot. Centr. 1883, XV, p. 3. 7043

— Peritheciis (spuriis?) mox liberis, infra globosis, superne in colum breve abeuntibus, 0,5-0,57 mm. lat., 0,6 mm. alt., nigris, corneis, 50 μ . cr., demum dehiscentibus et dilabentibus; conidiis concatenatis, inæquali-fusoideis, plerumque ventricosis, utrinque plus minus acuminatis, 34-80 \times 19-27, primitus circinato-pilosis, demum glabris, obscurissimis.

Hab. in cortice vetusto Populi pyramidalis, Djakovar Slavoniæ. — Ob septa (ex opacitate conidiorum?) non visa et ob præsentiam perithecii species perdubia.

2. **Phragmotrichum acerinum** Fr. — Syll. III, p. 807. — Conidia fuliginea, 24 \times 7. Occurrit quoque in rimis ramorum Aceris campestris, Trento (BRESADOLA).

HYPHOMYCETEÆ Martius em. Sacc. Syll. IV, pag. 1*).

Fam. 1. Mucedineæ LINK em.

Sect. 1. Amerosporæ SACC.

Subsect. 1. Micronemeæ SACC.

Trib. 1. Chromosporiæ SACC.

CHROMOSPORIUM Corda — Syll. IV, p. 6.

1. **Chromosporium strobilinum** Karst. Symb. XV, p. 109. — Effusum, 7044
ceraceo-molle, sordide ochraceum v. fulvescens; conidiis sphæroi-
deis, raro inæqualibus vel ellipsoideis, continuis, hyalinis, intus

*) Auctores nuperiores quidam sporas Hyphomycetum *gonidia* (nec *conidia*) nuncupant; sed revera inepte, nam gonidia sunt notissimæ cellulæ chlorophyllosæ lichenum, a conidiis fungorum morphosi et functione diversissimæ. Nescio quo errore, in nomenclatura organorum reproductionis mycetum, quam exposui in *Recommand. pour les Phytogr.* etc., art. 9, ad Hyphomyceteas legitur *sporæ* pro *conidia* aliaque leviora errata irrepserunt. Liceat hic iterare nomenclaturam correctam:

Hymenomyceteæ: Pileus, quacumque forma indutus; basidia; sterigmata; sporæ; cystidia.

Gasteromyceteæ et Myxomyceteæ: Peridium; gleba; capillitium; flocci; sporæ.

Uredineæ: Sorus; uredosporæ; teleutosporæ; mesosporæ; pseudoperidium; æcidiosporæ; paraphyses.

Ustilagineæ: Sorus; sporæ.

Phycomyceteæ: Oogonia; oosporæ; antheridia; zygosporæ; azygosporæ; zoosporangia; zoosporæ; sporangia; sporæ.

Pyrenomyceteæ et Phymatosphæriaceæ: Stroma; perithecium; loculus; nucleus; ascus; sporidia; paraphyses.

Discomyceteæ et Tuberoideæ: Ascoma; gleba; ascus; sporidia; paraphyses.

Schizomyceteæ: Filamenta; baculi; cocci; endosporæ; arthrosporæ.

Sphæropsiæ: Perithecium; nucleus; basidia; sporulæ.

Melanconieæ: Acervulus; basidia; conidia.

Hyphomyceteæ: Cæspitulus; sporodochium; hyphæ; conidia.

Obs. Ubi spora quæcumque germinet, *promycelium* exoritur, quod *sporidiola* (nec *sporidium*) subinde emittit.

granulosis et fulvescentibus, levibus, 15-23 μ . diam. v. 30 \approx 15; hyphis non visis.

Hab. in squamis strobilorum Abietis excelsæ vetustis in regione Aboënsi, Merimasku Fenniaë. — *Chr.* (*Diaphanio?*) *serpenti* affine?

2. **Chromosporium pactolinum** (C. et H.) Cooke Grev. XVI, pag. 71, *Corticium* C. et H. — Syll. VI, p. 633. — *Chrom. isabellinum* Ell. et Sacc. in N. A. Fungi n. 1391. — Conidia e flavo isabellina, 7-8 μ . diam. v. 10 \approx 6.
3. **Chromosporium rubiginosum** (Carm.) C. et M. Grev. XVI, p. 78, 7045 *Gymnosporium* Carm. MSS. — Epiphyllum, rubiginosum, effusum, pulverulentum; conidiis profusis, ovoideis, continuis, pallide fusco-rubiginosis, 10 \approx 7-8.

Hab. in foliis dejectis fagineis, Appin Britanniaë.

4. **Chromosporium albo-roseum** Karst. Rev. Myc. 1890. — Cæspitulis 7046 exiguis, subinde confluentibus, roseo-albis; conidiis ellipsoideis vel angulato-sphæroideis, hyalinis (sub lente), 1 μ . diam. vel 2 \approx 1,5; hyphis vix ullis.

Hab. supra Sporotrichum obducens Link, ad Mustiala Fenniaë.

5. **Chromosporium agaricinum** Karst. in Hedw. 1888, p. 105 et Symb. 7047 Myc. Fenn. XXII, p. 148. — Effusum, pulveraceum, saturate luteum, subinde virescens, luteum; conidiis elongatis, rectis, 2 \approx 0,5; hyphis nullis visis.

Hab. supra lamellas semisiccas Lentini domestici, Mustiala Fenniaë.

6. **Chromosporium stercorarium** Karst. Symb. Myc. XXVII, p. 36. — 7048 Effusum, tenuissimum, submembranaceum, albidum; conidiis copiosissimis, sphæroideis, hyalinis, 0,7-1 μ . diam.; hyphis prorsus nullis.

Hab. supra stercus bovinum caulesve putridos in regione Aboënsi, Merimasku Fenniaë.

COCCOSPORA Wallr. — Syll. IV, p. 9.

1. **Coccospora casei** Karst. Rev. Myc. 1890. — Cæspitulis laxis, orbicularibus, nonnunquam confluentibus, cinnabarinis; conidiis exacte sphæroideis, levissimis, fulvo-aurantiacis, membrana hyalina, 9-12 μ . diam.; hyphis parcis, ramosis, usque ad 70 μ . longis, circ. 3 μ . crass.

Hab. in caseo vetusto in Mustiala Fenniaë (GRIPENBERG).

2. **Coccospora? parasitica** Bomm. Rouss. Sacc. Contr. Myc. Belg. IV, 7050

pag. 93. — Granuliformis, ceracea, albo-diaphana, dein sordide alutacea, dense gregaria; conidiis globosis, exosporio crassissimo, levi, 15-21 μ . diam., hyalinis, primo nubilosus.

Hab. in stromatibus Pleomassarix sipariæ et Eutypellæ stellulatæ, Groenendael Belgii. — *Protomyces pityophilus* Karst. et *Pr. muscorum* Karst. — Syll. VII, 1, p. 321-2 — momente ipso auct. Fragm. Fenn. XIX, p. 6, sunt *Coccosporæ* species.

SOROSPORELLA Sorok. in Giard Nouv. par. p. 80 c. ic. (Etym. *Sorosporium*). — Sori atro-rubri. Sporæ (conidia?) globosæ, hyalinæ, leves v. rarissime tuberculo aliquo præditæ.

1. **Sorospora Agrotidis** Sorok. loc. cit. — Mycelio ramuloso, vix 7051 evoluto; soris atro-rubris, granulosus; sporis (conidiis?) globosis, hyalinis, 4-7 μ . diam., levibus v. rarissime tuberculo minuto præditis, 1-pluriguttulatis.

Hab. ad bruchos Agrotidis segetum, Rossia septentr.

Trib. 2. Oosporæ SACC.

HELICOCEPHALUM Thaxt. Bot. Gaz. 1891, pag. 201 (Etym. *helix* et *cephalos* capitulum). — Hyphæ hyalinæ, steriles, tenues, repentes, subseptatæ, fertiles erectæ simplices, continuæ, multo crassiores, summo apice bis ter spiraliter convolutæ. Pars spiralis capitulum formans et mox in articulos seu conidia ellipsoideo-truncata, brunnea secedens. — Genus nulli alii affine.

1. **Helicocephalum sarcophilum** Thaxt. l. c. t. XIX, f. 1-5. — Sparsum; 7052 hyphis sterilibus 2 μ . cr., fertilibus cylindræis, sursum tenuatis, 1 mm. alt., 20-25 μ . cr., sursum 8-10 μ . cr.; conidiis in quoque capitulo seu spira subviginti, elliptico-cylindræis, utrinque obtuse rotundatis, maturitate brunneis, 55-65 \approx 30-35, demum secedentibus et in capitulum subglobosum viscosum cohærentibus.

Hab. in cadaveribus in laboratorio, Connecticut Amer. bor.

OOSPORA Wallr. em. Sacc. Syll. IV, p. 11.

1. **Oospora umbilicata** (Riv.) Sacc., *Torula umbilicata* Riv. Parass. 7053 p. 439, f. 128. — Cæspitulis albidis; mycelio repente; hyphis fertilibus erectis, conidiorum catenulas apice gerentibus; conidiis ovoideis, umbilicatis, hyalinis, 8-9 \approx 4.

Hab. in fœno putri, Pisa Ital. bor.

2. **Oospora penicillioides** (Riv.) Sacc., *Oidium penicillioides* Riv. 7054

Par. p. 448, fig. 137. — Mycelio repente, sordide albido, septato; hyphis fertilibus erectis, ramosis, sursum attenuatis, apice catenulas conidiorum gerentibus; conidiis subovoideis, superne acuminatis, basi truncatis, episporio crasso, obscuriore donatis, granulosis, $7 \approx 4$.

Hab. in fœno udo, sanguine anthrace seu « carbonchio » affecto inquinato, Pisa Italiæ borealis.

3. **Oospora inæqualis** (Riv.) Sacc., *Oidium inæquale* Riv. Par. p. 447, 7055 f. 136. — Alba; mycelio repente, continuo v. demum septato; hyphis fertilibus, erectis, septatis, ad septa constrictis, in catenulas conidiorum desinentibus; conidiis sphæroideis v. ovoideis, episporio crasso præditis, intus granulosis, $8-12 \approx 8-10$, hyalinis.

Hab. in fœno, Pisa Ital. bor. (PAVESI).

4. **Oospora ægeritoides** Karst. Rev. Myc. 1888. — Cæspitulis gregariis, erumpentibus, vulgo rotundatis, subpulvinatis, laxis, farinosis; hyphis fasciculatis, erectis, simplicibus, continuis, circiter $26 \approx 4-5$, in catenulas breves, rarissime ramosas abeuntibus; conidiis mox secedentibus, ovoideis vel sphæroideis, albis, $6-7 \approx 5-6$ vel $5-6 \mu$. diam.

Hab. in caulibus putrescentibus Chenopodii albi ad Mustiala Fenniæ.

5. **Oospora Cookei** Sacc. *O. inæqualis* Cooke et Mass. Grevillea XVI, 7057 pag. 10, nec Rev. — Tenuissima, effusa, glauco-pruinosa, grisella; conidiis inæqualibus e globoso ellipsoideis, $5-10 \approx 5$, in catenulas curvas, breves, simplices v. ramosas junctis.

Hab. in culmis Bambusæ, Kew, London Britannicæ.

6. **Oospora Clavariarum** Karst. Symb. Myc. Fenn. XXV, p. 25. — 7058 Cæspitulis effusis, ambientibus, mucedineis, albidis; catenulis brevibus, simplicibus, ex hyphis brevissimis, $40-50 \mu$. longis, oriundis; conidiis (saltem ultimis) sphæroideis, episporio crasso, verruculoso, hyalinis, $18-36 \mu$. diam.

Hab. supra Clavariam putrescentem pr. Mustiala Fenniæ.

7. **Oospora Cucumeris** Peck 41 Rep. p. 80. — Acervulis laxis, subconfluentibus, albidis v. griseolis, velutinis; hyphis erectis vel divergentibus, concatenatis, ellipsoideis vel oblongis, hyalinis, $10-20 \approx 6-7,5$.

Hab. in fructibus Cucumeris Melonis, Menands Amer. bor.

8. **Oospora nectricola** Rich. Cat. Champ. Marn. n. 1458 et n. 1858 7060 (*O. sphærellæ* Rich.) — Acervulis albis; hyphis brevibus 1-2-septatis; conidiis concatenatis, demum sparsis, ovoideis, hyalinis.

Hab. supra perithecia *Nectriæ Dahliæ*, cujus statum conidicum sistit, St. Amand Galliæ.

9. **Oospora ovorum** Trab. Champ. par. criq. p. 4, t. 17, f. 5. — Al. 7061
ba; mycelio repente; conidiis in series moniliformes, gregarias, circinantes pluribus (20-30) concatenatis, globosis, 0,7 μ . diam.

Hab. in ovis *Acridii peregrini*, Algeria.

10. **Oospora Aphidis** Cooke et Mass. Grev. XVI, p. 76. — Hyphis 7062
brevibus, continuis, subcæspitosis, hyalinis; conidiis catenulatis, limoniformibus, utrinque apiculatis, primo guttulatis, hyalinis, albis, 17-19 \approx 12.

Hab. supra *Aphides* ad folia *Cucurbitæ Peponis*, Brisbane Australiæ (BAILEY).

11. **Oospora rubiginosa** (Riv.) Sacc., *Torula rubiginosa* Rivolta Pa. 7063
rass. p. 438, f. 123. — Mycelio repente; hyphis fertilibus, brevibus, ramosis, ramulis catenulas conidiorum gerentibus; conidiis sphæroideis, rubiginosis, 9 μ . diam., minute verrucosis.

Hab. in fœno, Novara Ital. bor.

12. **Oospora rufescens** (Fres.) Sacc., *Torula* Fres. Beitr. p. 86, t. XI, 7064
f. 11-17. — Mycelio repente, effuso, albido v. rufescente; hyphis brevibus, rectis, sparsis v. hinc inde 2-3 confertis; conidiis globosis, 5-8 μ . diam. levibus, nucleo refringente, pallide rufescentibus, in catenas longas curvas pluribus (usque 30-36) digestis, subinde conidiis minoribus interjectis.

Hab. in lente crystallina humana, cataractâ opacata et sub vitro servata in Germania (Doct. METTENHEIMER).

13. **Oospora versicolor** Speg. F. Guar. nonn. n. 154. — Cæspitulis 7065
superficialibus v. erumpenti-diffluentibus, tenuibus, difformibus, minutis, 0,5-1 mm. diam., raris hinc inde aggregatis ac confluentibus, margine tenuissimis, araneoso-evanescentibus, albis v. pallidis, centro parum incrassatulis, subpulvinatulis, primo compactiusculis, dein pulverulentis, flavis, aurantiis vel roseis; hyphis hyalinis, repentibus, septatis, articulis basalibus elongatis, non secedentibus, apicem versus gradatim abbreviatis ac cuboideo-articulatis, 8-10 \approx 5-15, sensim in conidia abeuntibus; conidiis globosis, 4-6 μ . diam., levibus, catenulatis, hyalinis.

Hab. ad terram, folia ramenta que putrescentia prope Guarapì, Posta-cué et Yaguaron Brasilæ.

14. **Oospora corii** (Rich.) Sacc. *Torula corii* Rich. Cat. Champ. Marn. 7066
n. 1942. — Effusa, crassiuscula, rubescens; conidiis cuboideis, ru-

bellis, in sporophoris brevibus acrogenis et in catenas elongatas, ramosas digestis.

Hab. in corio vetusto udo, St.-Amand Marne Galliæ. — *O. corii* Rich. Champ. Marn. n. 1859 est certe eadem species.

SPORENDONEMA Desm. em. Oudem. Ver. Acad. Amsterd. 1885, p. 115 cum icone (Etym. *spora*, *endon* intus et *nema* filum). — Hyphæ albæ, steriles repentes, septatæ ramosæ; fertiles assurgentes. Conidia in interiore hypharum generata et catenulatim exsilia, hyalina, dein fusca. — *Sporendonema Casei* Desm. ad *Oosporam* spectat.

1. **Sporendonema terrestre** Oudem. l. c. — Mycelio ad terram humosam repente albo, articulato, ramoso; hyphis fertilibus erectis, ramosis, continuis; conidiis endogenis, a se invicem remotis, ex hypharum fertilium protoplasmate ortis, primitus hyalinis, utrinque planis, postremo fuscis, utrinque rotundatis, manicatis, i. e. tubulo membranaceo, brevi, achromo ex hypharum interstitiis vacuis circumcissione orto ornatis, $7 \approx 2\frac{1}{2}$ (absque appendiculis maniciformibus). 7067

Hab. in calidariis in pulvere coriario, Amsterdam Hollandiæ.

2. **Sporendonema myophilum** Sacc. in Peck 41 Rep. p. 80. — Hyphis hyalinis, simplicibus vel ramosis, dense intertextis, massam ceraceam, mollem, albam efformantibus; conidiis concatenatis, globosis v. late ellipsoideis, 4-7,5 μ . long. 7068

Hab. in corpore murium viventium, Binghamton Amer. bor. (H. L. GRIFFIS).

FUSIDIUM Link — Sacc. Syll. IV, p. 25.

1. **Fusidium lycotropum** Preuss — Sacc. Syll. IV, pag. 28, Grove in litteris. — Album, tenuiter effusum; conidia ad instar ferri æquini curvata, hyalina, fusiformia, utrinque obtusata, 2-4-guttulata, 18-30 \approx 3, in circulum, subinde fere completum, 6-8 μ . diam. circumflexa, guttulis duobus interioribus, fere semper maximis repleta; conidia concatenata videre non contigit. — In Britannia. 7069

2. **Fusidium Bryoniæ** Brun. Misc. Myc. II, p. 44. — Hyphis patentibus, brevissimis, in maculas olivaceas, subrotundas, confluentes, brunneo-marginatas gregariis; conidiis fusoides v. oblongis, utrin- 7070

que plus minus rotundatis, hyalinis, vulgo 2-4-pluriguttatis, rectis v. curvis, 18-20 \times 4-4,5, moniliformi-seriatis.

Hab. in foliis languidis Bryoniae dioicae, Saintes Galliae.

3. **Fusidium leptospermum** Pass. in Speg. Dec. 54. — Maculis hypophyllis, albis, subrotundis, parvulis; conidiis tenuibus, fusiformi-clavatis, hyalinis, 30-45 \times 2½.

Hab. in foliis Ranunculi bulbosi, Parma Ital. bor.

4. **Fusidium magellanicum** Speg. F. Pat. n. 179. — Maculis majusculis, 2-5 mm. diam., pallescenti-arescentibus, subindeterminatis, concentricè rugulosis; acervulis amphigenis, minutissimis, dense gregariis sæpeque confluentibus, candidis; hyphis non v. vix evolutis, gracillimis, repentibus, non v. vix ramulosis, hyalinis; conidiis catenulatis, cylindræis, continuis (rarius medio 1-septatis, sed non constrictis), utrinque acutiusculis (sed vertice truncatulo), rectis v. subcurvulis, 12-30 \times 2-2,5, hyalinis.

Hab. ad folia viva Casaleæ cujusdam in rivulis pr. Gregory bay Patagoniæ.

5. **Fusidium Deutziae** Cooke Grev. XVI, p. 48. — Hypophyllum; cæspitulis minutis, convexis, pulvereis, carneolis; conidiis fusoides, rectis, hyalinis, continuis, 16-20 \times 3-4; sporophoris brevissimis.

Hab. in foliis languescentibus Deutziae, Holloway Britanniae.

6. **Fusidium Mimosæ** Pass. et Roum. Rev. Myc. 1885, pag. 178. — Cæspitulis pulveraceis, glomeratis vel vage sparsis, albidis; conidiis cylindræo-lanceolatis, rectis vel arcuatis, hyalinis, 10 \times 2,5.

Hab. in endocarpio leguminum fracidorum Mimosæ Julibrissin in Gallia (*Reliquiæ* PROSTII).

MONILIA Pers. — Sacc. Syll. IV, p. 31.

1. **Monilia carbonaria** Cooke in Grevillea XV, pag. 17. — Cæspitulis compactis, pulvinatis, ellipticis vel confluendo difformibus, aurantiacis vel aurantio-rubris, 1-10 mm. diam.; hyphis repentibus, intricatis, septatis, dissilientibus, vage ramosis; conidiis globoso-ovalibus, primo concatenatis, dein liberis, levibus, hyalinis rubro-tinctis, 8-12 μ . diam.

Hab. in ligno et ramis, New Zealand Australiæ (COLENSO).

2. **Monilia aurantiaca** Peck et Sacc. 42 Rep. p. 32. — Cæspitulis pulvinatis superficialibus compactiusculis mox fragilibus velutino-pulveraceis, 3-5 mm. diam. subinde confluentibus e cinnabarino salmonicoloribus; hyphis radiantibus 10-12 μ . cr., vage ramosis ramulosisque, articulatis, articulis demum secedentibus; conidiis

heteromorphis initio globulosis v. ellipsoideis, 10-12 μ . diam. vel 18 \approx 10, dein sublimoniformibus, longiuscule sæpeque ramoso-catenatis, 10-12 \approx 8-9.

Hab. in cortice vix emortuo *Ailanthi glandulosæ*, Albany N. Y. Amer. bor. — *Mon. aureo-fulvæ* et *sitophilæ* affinis, sed colore cæspitulorum conidiorumque forma et magnitudine sat distincta.

3. **Monilia arctica** Karst. Symb. Myc. Fenn. XXV, p. 24. — Cæspitulis effusis, velutinis, e sordido helvolis; hyphis septatis, longiusculis, 8-10 μ . cr.; conidiis breve catenulatis, ovalibus, sæpissime distincte apiculatis indeque isthmico-conjunctis, hyalinis vel demum dilutissime flavidis, endochromate granuloso, 20-30 \approx 10-13.

Hab. in ligno *Betulæ* vetusto in sinu Kola Lapponiæ rossicæ.

4. **Monilia penicillata** E. et E. Journ. Myc. 1888, p. 54. — Effusa v. subcæspitosa, aurantiaca; hyphis sterilibus prostratis, hyalinis, araneosis, minutissimis; hyphis fertilibus erectis, validis, simplicibus v. e basi ramosis, 100-200 \approx 25-40, aurantiaco-granulosis, non septatis, apice obtuso, subincrassato; conidiis acrogenis, in series incurvas, plus minus ramosas concatenatis, ellipsoideis, utrinque acutis in sicco, udis obtusis, 25-60 \approx 20-40.

Hab. in ligno putri Newfield et Louisiana Amer. bor.

5. **Monilia effusa** Peck 42 Rep. pag. 32. — Acervulis primo parvis, mox confluentibus et ample effusis, tenuibus, pulverulentis, pallide fulvis v. ochraceis; hyphis hyalinis, septatis; conidiis catenulatis, citriformibus, uno apice v. utrinque apiculatis, 15-17,5 \approx 10-12,5.

Hab. in ligno putri, Jayville, St. Lawrence county Americæ borealis.

6. **Monilia Peckiana** Sacc. Syll. IV, p. 34, Peck 39 Rep. p. 49, t. II, f. 19-21 — var. **angustior** Sacc. l. c., Peck l. c. f. 22-24. — Inquirendum est an *Monilia fructigena* in ramulis tenellis vivis *Persicæ* in Amer. bor. (Cfr. Journ. of Myc. 1891, p. 36, t. V), sit potius *M. Linhartianæ* v. *M. Peckianæ* adscribenda.

7. **Monilia microspora** Speg. Guar. I, p. 161. — Acervulis amphigenis, sparsis, maculas depresso-pulvinatas, 2-5 mm. diam., irregulares, crustaceo-pulveraceas, sordide albo-flavescentes hinc inde efformantibus; hyphis omnibus repentibus, continuis vel remotiuscule parcissimeque septulatis, gracilibus, 2-3 μ . cr. subdiffluentibus, dilutissime flavescentibus, dense ramosis, ramulis breviusculis, subsurgentibus, subflexuoso-geniculatis, hinc inde papillulatis; conidiis

ex papillis ramulorum oriundis, cylindraceo-ellipsoideis, utrinque late truncatis, 4-5 \approx 2,5-3, levibus, catenulatis, pallide flavescensibus.

Hab. ad folia dejecta putrescentia Citri Aurantii pr. Guarapî Brasilîæ.

8. **Monilia pruinosa** Cooke et Mass. Grev. XVI, p. 78. — Effusa, tenuis, albo-pruinosa; hyphis flexuosis, elongatis, septatis, 10-12 μ . diam., irregulariter ramosis; conidiis breviter catenulatis, subglobosis v. ovoideis, hyalinis, 14-15 \approx 12. 7081

Hab. in foliis languidis Caladii, Kew London Britannîæ.

9. **Monilia Kochii** (Wettst.) Sacc. *Rhodomycetes Kochii* Wettst. Untersuch. ueber paras. d. mensch. Koerp. cum tab. p. 7. — Mycelio hyalino, tenui, ex hyphis sterilibus nunc continuis nunc septatis efformato, articulis 26-60 \approx 6-16; hyphis conidiophoris assurgentibus, roseis v. flavido-rubris, ex articulis brevibus, rotundis vel breve cylindraceis compositis, copiose et repetite ramosis, superioribus denticulis obtusulis sæpius binis auctis; conidiis catenulatis, rotundis, ovoideis v. polygoniis, 6-16 μ . diam. v. 15-20 \approx 6-15, hyalinis, membrana tenui præditis, e denticulis oriundis. 7082

Hab. parasitica in membrana mucosa corporis humani in Austria. — « Mihi omnino *Monilia* ».

10. **Monilia obducens** Karst. Hedw. 1891, p. 248. — Cæspitulis gossypinis late effusis, albidis, dein ob conidia sordide roseis v. isabellinis; hyphis repentibus, vage ramosis, articulatis, hyalinis, 2-6 μ . cr., levibus; conidiis concatenatis, sphæroideis, raro late ellipsoideis, levibus, isabellinis, sub lente hyalinis v. hyalino-flavescensibus, 6-10 μ . diam. 7083

Hab. ad corpus Colubri Natricis in spiritu vini asservati, Mustiala Fenniæ.

CYLINDRIUM Bon. — Sacc. Syll. IV, p. 36.

1. **Cylindrium Luzulæ** (Lib.) Sacc. in Rev. myc. 1885, tab. LV, f. 8, *Psilonia Luzulæ* Lib. Exc. — Acervulis pulvinatis, compactiusculis, candidis; conidiis cylindricis, utrinque truncatulis, catenulatis, hyalinis, 5-6 \approx 1. 7084

Hab. in foliis Luzulæ maximæ in Arduennis (LIBERT) et in Gallia australi (ANG. ROUMEGUÈRE).

2. **Cylindrium flexile** Karst. in Hedw. 1891, p. 302. — Acervulis pulvinatis, difformibus, tremellinis, flexilibus, hyalino-albidis, siccis pulverulentis et candidis, minutis vel parvis; hyphis tenellis, conti- 7085

nuis, vulgo ramosis, 50-70 \approx 1,5-2; conidiis concatenatis, facillime secedentibus, cylindraceis, rectis, utroque apice obtusis, intus granulosis seu minute guttulatis, rarissime obsolete tenuiter 1-septatis, hyalinis, 22-32 \approx 3-5,5.

Hab. in ramis ramulisque Tiliæ et Piri in agro mustialensi Fenniae.

3. **Cylindrium minutissimum** Rabh. Unio Itin. XXIV, Grev. XVII, 7086 p. 69. — Perexiguum; conidiis cylindricis, utroque polo rotundatis, achrois, hyalinis, apicibus concatenatis; catenis plus minus ramosis.

Hab. in Stachyde glutinosa in consortio Torulæ, Lanusei Sardiniae (MARCUCCI).

4. **Cylindrium pulvinulatum** Karst. Hedw. 1890, p. 272. — Cæspitulis 7087 sparsis, rarissime confertis, rotundatis, rarius oblongatis, convexis, nudis, albis 0,3-0,5 mm. diam.; catenulis filiformibus stipatissimis, erectis, simplicibus, 150-180 μ . longis; conidiis cylindraceis, utrinque truncatis, rectis vel flexuosis, pluriguttulatis, 9-12 \approx 2.

Hab. supra asseres Pini prope Mustiala Fenniae.

5. **Cylindrium fuegianum** Speg. F. Fueg. n. 435. — Cæspitulis super- 7088 ficialibus effusis 2-3 mm. diam., sparsis v. laxe gregariis, rarius confluentibus, compactiusculis, aurantiacis v. flavescenti-carneis; conidiis cylindraceis, utrinque leniter attenuatis ac truncatis 15-20 \approx 1,5, catenulatis, continuis rarissime medio 1-septatis non constrictis, granuloso-farctis, hyalinis v. subcarneis.

Hab. ad folia dejecta putrescentia Fagi betuloidis in Staten island et Fuegia. — Species *C. flavo-virescenti* Ditm. peraffinis sed satis distincta.

POLYSCYTALUM Riess — Sacc. Syll. IV, p. 38.

1. **Polyscytalum cylindroides** Sacc. et Ell. Journ. of Myc. 1888, 7089 p. 105. — Hyphis e basi paullo incrassata subcylindricis, brevibus, subfuligineis, subsimplicibus, catenulis passim ramosis; conidiis cylindricis, utrinque obtuse rotundatis, spurie 1-septatis, 15-20 \approx 2 $\frac{1}{2}$ -3.

Hab. in foliis dejectis Quercus virentis et Q. aquaticæ, Pointe à la Hache La. Amer. bor. (REV. LANGLOIS). — Cæspituli vix 1 mm. diam. A *Pol. fecundissimo* hyphis subsimplicibus differt, a *P. sericeo* conidiis æqualibus etc.

OIDIUM Link — Sacc. Syll. IV, p. 41.

1. **Oidium Verbenæ** Thüm. et Boll. Contr. Fung. lit. austr. III, p. 6. 7090
— Maculas plus minusve orbiculatas vel sinuosas, subparvas, solitarias, nondum confluentes, laxas, in foliorum pagina superiore colore ex subgriseo roseo vel sordide albescente formans; hyphis brevibus, subrectis, septatis, hyalinis; conidiis longe ellipsoideo-subparallelo-grammis, utrinque vix rotundatis, hyalinis, 10-12 \approx 4-7.

Hab. ad folia viva Verbenarum hortorum, Gorizia Ital. bor.

2. **Oidium erumpens** Cooke et Mass. Grev. XVI, p. 49. — Hypophyl- 7091
lum; cæspitulis griseo-albis, erumpentibus, compactiusculis, per ætatem obscurioribus; conidiis subglobosis, initio compressione subcuboideis, catenulatis, hyalinis, 7 \approx 5; sporophoris brevibus.

Hab. in foliis vivis Riveæ hypocraeteriformis, Kew London Britanniae.

3. **Oidium Fragariæ** Harz Bot. Centr. 1887, IV, p. 314. — Hyphis 7092
hypophyllis, tenuibus, laxis, fertilibus sparsis; conidiis ovoideis 30-32 \approx 14-15, utrinque leniter truncatis, subhyalinis.

Hab. in foliis Fragariæ (var. Ananas) cultæ, München Bavarie. — Plantæ a fungillo valde vexantur. *O. Ruborum* differre videtur conidiis 28 \approx 17 utrinque rotundatis.

4. **Oidium lycopersicum** Cooke et Mass. Grev. XVI, p. 114. — Cæ- 7093
spitulis effusis, indeterminatis, albis, mycelio arachnoideo, hyphis brevibus, ramulosis, erectis; conidiis subglobosis, concatenatis, hyalinis, 8-9 μ . diam.

Hab. in caulibus et foliis Solani Lycopersici, Upper Yarra Britanniae.

5. **Oidium Cydoniæ** Pass. in Thuem. Myc. Univ. 1667. — Effusum, al- 7094
bum; conidiis ellipticis subsolitariis vel duobus tribus concatenatis, hyphis longis fultis, 22-23 \approx 15.

Hab. in foliis vivis Cydoniæ vulgaris, Parma Ital. bor.

6. **Oidium farinosum** Cooke Grev. XVI, p. 10. — Album, farinaceum, 7095
effusum, folia juvenilia ramulosque obtegens; hyphis simplicibus in conidia ellipsoidea, truncata, levia, 28-30 \approx 12, hyalina abeuntibus.

Hab. in ramis foliisque Mali in Britanniae pluribus locis. — «Forte var. *Oid. leucoconii*».

7. **Oidium pirinum** Ell. et Ever. Journ. Mycol. 1889, p. 68. — Ma- 7096
culis magnis, dilute brunneis, definite subirregulariterque definitis,

demum totam folii superficiem occupantibus et necantibus; hyphis repentibus, nullis vel saltem inconspicuis; hyphis fertilibus gracilibus, pro parte cum conidio persistentibus conidiis copiosis, in massam pulveream, pallide cineream aggregatis, 3-4 in series concatenatis, membrana subinæquali, hyalinis, 12-16 μ . diam.

Hab. in foliis Piri coronariæ, Racine, Wisconsin Americæ borealis.

8. **Oidium obductum** Ell. et Langl. Journ. Myc. 1890, p. 35. — Hypo- 7097
phyllum, cinereo-album late effusum; hyphis sterilibus tenuibus, 3-4 μ . cr., parce septatis, ramosis, laxè intricatis; conidiis magnis 35-50 \approx 18-22, elliptico-doliiformibus, concatenatis, utrinque truncatis.

Hab. in foliis vivis Quercus (falcatæ?) junioris, St. Martinsville La. Amer. bor. (LANGLOIS).

9. **Oidium destruens** Peck 32 Rep. pag. 41. — Effusum in maculis 7098
latis brunneis, odorum, albido-cinereus; hyphis biformibus, sterilibus repentibus, ramosis, fertilibus erectis vel decumbentibus, subramosis, catenulas conidiorum formantibus; conidiis inæqualibus, ellipsoideo-subglobosis angulosive utrinque apiculatis, 5-15 μ . long.

Hab. in foliis vivis Amelanchieris canadensis et Pruni serotinæ, Center et Sandlake Amer. bor. — «An cum *Monilia Linhartiana* comparandum?»

Subsect. 2. **Macronemeæ** SACC.

Trib. 3. **Cephalosporiæ** SACC.

ŒDOCEPHALUM Pr. — Syll. IV, p. 47.

1. **Œdocephalum byssinum** (Bon.) Sacc. IV, p. 49 — *herbariorum 7099
Karst. Symb. Myc. Fenn. XXVI. p. 30. — Hyphis erectis, hyalinis, haud septatis, solito æqualibus, 0,2 mm. altis, 15-20 μ . cr.; capitulis rotundis, albis demum flavescentibus; conidiis exacte sphaeroideis, verruculosus ex hyalino flavidis 12-14 μ . diam.

Hab. in foliis Ranunculi repentis in herbario asservatis, prope Vasa Fennicæ lectis.

2. **Œdocephalum sulphureum** Cooke et Mass. Grev. XVII, p. 3. — 7100
Cæspitulis hemisphaericis vel confluentibus, sulphureis; hyphis septatis dichotomis, apice globoso-inflatis, papillatis; conidiis globosis hyalinis, 3-5 μ . diam., episporio levi.

Hab. in chorda uda, Kew London Britannicæ.

3. **Ædocephalum echinulatum** Thaxt. Bot. Gaz. 1891, pag. 17, t. IV, 7101
f. 8-11. — Album, demum flavidum; hyphis sterilibus fertilibusque non prorsus distinctis, ultimis plus minus irregulariter et indefinite ramosis; vesiculis conidiophoris e sphærico obovoideis $35 \approx 28$, rarius usque $65 \approx 45$, obsolete areolatis muriculatisque; conidiis ex ovato ellipsoideis, tenuiter echinulatis, $12 \approx 10$, rarius usque $25 \approx 18$.

Hab. in caseo et charta caseum obvolvete, Massachusetts Amer. bor. — Videretur *Ædocephalum* proliferum. Cfr. *Choanophora* Cunn., Syll. IX, p. 339.

4. **Ædocephalum agaricinum** Rich. Cat. Champ. Marn. n. 1870. — 7102
Cæspitulis fascicularibus; hyphis hyalinis; conidiis concatenatis, in capitulum ochraceum congestis, hypharum apice minute verrucoso insertis.

Hab. in pileo Agaricineæ cujusdam, Sermaize Marne Galliæ.

5. **Ædocephalum verticillatum** Thaxt. Bot. Gaz. 1891, pag. 18, t. IV, 7103
f. 12-14. — Album, demum flavidum; hyphis sterilibus repentibus, crebre septatis, ramosis, hyphas fertiles 2-4 ex uno puncto verticillatim ascendentes emittentibus, hyphis fertilibus septatis, filiformibus 4μ . cr. in vesiculam sphæricam abrupte apice dilatatis; vesicula tenuissime areolata, $20-25 \mu$. diam.; conidiis grossiuscule muriculatis, sphæricis, $5-7 \mu$. diam.

Hab. in excrementis Lacertarum, E. Tennessee Amer. bor.

RHOPALOMYCES Corda — Syll. IV, p. 50.

1. **Rhopalomyces strangulatus** Thaxt. Bot. Gaz. 1891, p. 21, t. III, 7104
f. 3-9. — Hyphis sterilibus copiosis, valde ramosis, parce septatis, 4μ . diam., fertilibus dense gregariis, basi rhizinis copiosis præditis, hyalinis, cylindricis, 2-8 mm. altis, $40-50 \mu$. cr., infra vesiculam abrupte et arcte constrictis; vesicula globosa, magna, 250μ . diam., plus minus distincte areolata; conidiis numerosissimis, subcylindricis utrinque rotundatis, $39 \approx 8,5-10$.

Hab. in ossibus aliisque substantiis animalibus putrescentibus, Massachusetts, Connecticut Amer. bor. — Cl. Thaxter, cui libenter assentior, discrimen typicum inter *Ædocephalum* et *Rhopalomyces* ponit in hyphis mycelicis, quæ in hoc postremo sunt radiculiformes, in illo hyphæ fertili fere conformes et magis evolutæ.

2. **Rhopalomyces nigripes** Cost. Bull. Soc. Bot. Fr. 1886, p. 493. — 7105
Hyphis fertilibus brunneis, apice in vesiculam concolorem, sterig-

matibus hirtam, 28-80 μ . diam.; conidiis brunneis, elongatis, uno apice acuminatis, altero rotundatis, 25-34 \times 8-9.

Hab. ad Pezizam arenariam in Gallia.

SIGMOIDEOMYCES Thax. Bot. Gaz. 1891, p. 22, t. IV (Etym. *sigma*, *sigmoides* et *myces*). — Hyphæ fertiles erectæ, septatæ, in curvas sigmoideas pluries flexæ, intricate ramosæ vel pseudo-dichotomæ, ramuli ultimi steriles. Vesiculæ conidiophoræ globosæ laxè muriculatæ, per pedicellos breves exiles hyphis hærentes, pleurogenæ. Conidia globosa, crasse tunicata, subhyalina.

1. **Sigmoideomyces dispiroides** Thax. loc. cit. f. 15-18. — Cæspitulis 7106 flavido-brunneolis, 1 mm. alt., hyphis varie intricatis, dense septatis, sigmoideo-ramosis, ramis quoque sigmoideis ramulis ultimis subfalcatis, acutis, homomallis; vesiculis 35-45 μ . diam. globosis; conidiis late ellipsoideis v. subsphæricis, flavidis, echinulatis, 17 \times 16.

Hab. in ligno putri, Burbank, E. Tennessee Amer. bor.

CEPHALOSPORIUM Corda — Sacc. Syll. IV, p. 56.

1. **Cephalosporium (?) tumefaciens** Winter in Hedwigia 1885, p. 259. 7107 — Conidiis 4-10 glomerulos hemisphæricos formantibus, oblongo-subcuneatis, vertice rotundatis, deorsum plus minusve attenuatis, continuis, pallide fuscidulis, interdum parum curvatis, 10-16 \times 5-7.

Hab. ad plantam frutescentem vel arboream vivam, adhuc indeterminatam folia ramulosque tumefaciens et deformans prope S. Francisco Brasilæ (E. ULE).

2. **Cephalosporium Acremonium** Corda — Syll. IV, p. 56 — Var. **uni-septatum** Masee Dis. of Coloc. p. 48, t. I, f. 3. — Conidiis oblongo-ellipsoideis, utrinque acutiusculis, 1-septatis, 10 \times 4 (ex icone). 7108

Hab. parasiticum in hyphis Heterosporii Colocasiæ in Colocasia esculenta, Jamaica Amer. centr. — «Ob conidia 1-septata vix *Cephalosporium* et potius *Cephalothecium*».

CORETHROSPIS Corda — Sacc. Syll. IV, p. 62.

1. **Corethrospis epymices** Masee New Microfungi pag. 3, fig. 16-18. 7109 — Gregaria; stipitibus albis, simplicibus, conicis, hyphis permultis compositis undique orientibus, præter basim incrassatam septatis, patentibus, nonnullis capitulum conidiorum subglobosum gerentibus; conidiis hyalinis, oblongo-linearibus, oblique apiculatis.

Hab. in Mycena pura putri, socio *Spinello fusigero*, Scarborough Britannicæ.

Trib. 4. Aspergilleæ Sacc.

ASPERGILLUS Mich. — Syll. IV, p. 64 *).

1. **Aspergillus atrovirens** Karst. Symb. XXVI, p. 28. — Hyphis sterilibus repentibus, ramosis; fertilibus assurgentibus, hyalinis, apice vesiculoso-inflatis; capitulis cylindræis, sphæroideo-clavatis v. rotundatis, atrovirentibus; conidiis sphæroideis, levissimis, catenulatis, basidiis nullis suffultis, æruginosis, sub micr. chlorinis vel chlorino-hyalinis, 4-6 μ . diam. 7110

Hab. in fructibus Amygdali communis, Mustiala Fennicæ, socio *Eurotio lateritio*.

2. **Aspergillus aviarius** Peck 44 Rep. p. 25, t. IV, fig. 9-12. — Hyphis sterilibus repentibus, albis v. albidis; fertilibus erectis, simplicibus, continuis, 7 μ . cr., apice in vesiculam globosam, subpapillosam, 20-30 μ . latam terminatis; conidiis globosis, levibus, 2-2,5 μ . diam. catenulatis e vesicula immediate oriundis, demum cæσιο-glauciscentibus. 7111

Hab. in cavitate thoracica avis (Serini canarii), quæ forte hac de causa decessit, New York Amer. bor. (E. B. Southwick).

3. **Aspergillus fimetarius** Peck 42 Rep. p. 32. — Albus; hyphis sterilibus repentibus, fertilibus erectis, simplicibus, septatis, apice paullo incrassatis; basidiis oblongis v. subcylindræis, apice acuminatis, 12,5-15 μ . long.; conidiis globosis, 4-5 μ . diam. 7112

Hab. in fimo Damæ in montibus Adirondack Amer. bor. — *A. candido* affinis.

STERIGMATOCYSTIS Cram. — Sacc. Syll. IV, p. 71.

1. **Sterigmatocystis Coronella** Costant. Muced. simples p. 34 c. ic. 7113 — Alba; hyphis sterilibus, filiformibus 1-septatis, 5 μ . cr.; fertilibus erectis, crassis, continuis, 16-18 μ . cr., apice in vesiculam 37 μ . lat., leviter dilatatis; basidiis densis teretibus apice sterigmata 2-4 subfusoidæ gerentibus; conidiis ellipsoideis, levibus, 5 \approx 3.

Hab. in ligno emortuo in Gallia.

2. **Sterigmatocystis nidulans** Eid. in Cohn Beitr. III, p. 392, t. XX- 7114 XXII. — Cæspitulis confluentibus, flavo-viridulis, dein obsolete vi-

*) *Aspergilli* et *Sterigmatocystis* genera, quamvis a claris viris van Tieghem, Bainier, Wilhelm, Gasperini aliisque perquisita, plurimis dubiis, præcipue quod ad specierum distinctionem, adhuc obruuntur, quare epierisis nova et severa maxime exoptatur.

ridibus; hyphis sterilibus repentibus, fertilibus assurgentibus simplicibus v. 2-3-furcatis, parce septatis, apice modice dilatato-truncatis; basidiis brevibus oblongis, apice sterigmata 2-4 obclavata gerentibus; conidiis globosis, 3 μ . diam. breviter catenulatis, levibus.

Hab. in nidis Bomborum in horto botanico Breslau Germaniæ. — Infra mycelium oritur etiam forma ascophora sclerotiacea, ascis ovoideis, 8-sporis, sporidiis ellipsoideis leviter canaliculatis. Cfr. quoque Lindt Path. Schimm. p. 284.

3. **Sterigmatocystis variabilis** (Gasp.) Sacc., *Aspergillus variabilis* 7115
Gasp. Morb. Lim. p. 23. — Hyphis erectis, continuis v. varie septatis et raro ramosis, 0,5-0,7 mm. alt., 5-16 μ . diam., in vesiculam 10-60 μ . diam., apice tantum basidiophoram inflatis; basidiis radiantibus, 6-18 μ . cr., simplicibus vel ramosis et usque ad 3 sterigmata, 3-5 μ . long. gerentibus; conidiis in capitulum integrum, 90-115 μ . diam., virens congestis, primum levibus, hyalinis, 3 μ . diam., dein viridulis, 5-6,5 μ . diam., sphaericis vel globosis, levibus vel tenue verruculosis.

Hab. in fructibus putridis Hesperidearum, Pavia Italiæ. — Affinis *St. varicæ*.

4. **Sterigmatocystis dasytricha** Ell. et Ev. in Journ. of Myc 1886. 7116
p. 104. — Hyphis fertilibus effusis, velutinis, erectis, pallide olivaceo-brunneis, septatis, 250-300 \approx 6-8, apice in capitulum ovoideum vel oblongum dilatatis; sterigmatibus noduloso-ramosis, 20-25 \approx 4, apice obtusis vel sublobatis, ramos brevissimos vel tubercula irregulariter disposita gerentibus, capitulum oblongum formantibus, 45-60 \approx 20-25; conidiis oblongo-cylindræis, hyalinis, 5-7 \approx 1 $\frac{1}{4}$ -1 $\frac{1}{2}$, solitariis vel 2-3 catenulatis, apice basidiorum insertis.

Hab. in ligno emortuo in America boreali (LANGLOIS). — Primo obtutu colore cæspitulorum *Menisporam glauco-nigram* in mentem revocat.

5. **Sterigmatocystis elegans** (Gasp.) Sacc., *Aspergillus elegans* Ga- 7117
sper. Morb. Limon. p. 16. — Mycelio albo, repente; hyphis fertilibus erectis, continuis, simplicibus, primum hyalinis demum dilute ochraceis atque tenuissime epiguttulatis, 1-6 mm. long, 5-12 μ . diam., in vesiculam sphaericam usque ad 70 μ . diam. dilatatis; basidiis radiantibus, confertis, clavulatis, omnino vesicæ superficiem tegentibus, 4-26 μ . long.; sterigmatibus 2-6 (sæpius 3), 7-14 \approx 1-2; conidiis inferioribus ovoideis v. sphaeroideis, hyalinis, ceteris perfecte sphaericis, 3-3,5 μ . diam. numerosis, episporio tenuissime ver

ruculoso, æqualibus, continuis, ochraceis, in capitulum integrum, ochraceum, 20-130 μ . diam. congestis.

Hab. in fructibus putrescentibus Citri Limonum, in pane udo etc.. Pavia Italiæ.

6. **Sterigmatocystis subfusca** (Johan.) Sacc., *Aspergillus subfuscus* 7118
Johan-Olsen in Bot. Jahresb. 1886, p. 476 et Meddel. Naturhist. Foren. Kristian. 1885. — *Sterig. nigræ* valde affinis, differt mycelio candido, hyphis conidiisque olivaceo-brunneis.

Hab. in Norvegia. — Optime viget temp. 35-38°C; præbet formas involutionis radiatas.

7. **Sterigmatocystis violaceo-fusca** (Gasp.) Sacc., *Aspergillus violaceo-fuscus* Gasp. Sopra Morb. Limon. p. 14. — Effusa; hyphis sterilibus ramosis, septatis; fertilibus erectis, simplicibus, continuis, cylindræis, hyalinis, 12-18 μ . diam., circ. 2 mm. alt., apice in vesiculam sphericam, 42-51 μ . diam., inflatis; basidiis radiantibus, cylindrico-conoideis, 6-8 μ . long., apice 3 μ . cr., sterigmatibus simplicibus, cylindricis vel piriformibus, 2-4 μ . long.; conidiis in capitulum integrum, usque ad 95 μ . diam., ovoideis, verruculosis, primo hyalinis, dein violaceo-fuscis, 3-6½ = 3¼-5.

Hab. in fructibus Hesperidearum, in seminibus coctis Zeæ Maydis aliisque substantiis vegetabilibus, Pavia Italiæ.

8. **Sterigmatocystis chlorina** Cooke et Mass. Grev. XVIII, p. 7. — 7120
Effusa, maculiformis, atro-fusca; hyphis erectis, simplicibus, supra globoso-inflatis; vesiculæ basidiis cuneatis, radiantibus, hyalinis, sterigmata 3-4, ellipsoidea, olivacea, gerentibus; conidiis globosis, levibus, olivaceis, 5-6 μ . diam.

Hab. in fructibus Citri, E. New Guinea (Doct. MAC-GREGOR).

9. **Sterigmatocystis Phœnicis** (Corda) Pat. et Del. Bull. Soc. Myc. 7121
1891, p. 119, t. IX, *Ustilago* Corda — Syll. VII, p. 459. — Initio effusa candidissima, filamentosa, septata; hyphis fertilibus cepitulosis, usque 1 mm. alt., erectis, sordide purpurascens, 15 μ . cr., vesicula globosa punctata, 75 μ . diam.; basidiis clavatis, 40 = 15, sterigmata quaterna obclavata 10-12 = 3-4, gerentibus; conidiis atropurpureis catenulatis, levibus, minutis, angulato-sphæroideis, episorio crassiusculo, 5 = 3,5-4,5.

Hab. in parte interiore fructuum Phœnicis dactyliferæ, usque ad superficiem nuclei, in Ægypto et Tunisia.

10. **Sterigmatocystis Ustilago** (Beck) Sacc., *Aspergillus* G. de Beck 7122
Itin. princ. Cob p. 148, t. 16, f. V. — Fuliginosa, aggregata; hyphis sterilibus paucis, hyalinis; fertilibus erectis, simplicibus, 0,5-0,8

mm. long., striatulis, apice globoso-inflatis ibique 75 μ . lat. et membrana crassiuscula, basidiis elapsis, dense punctulata præditis; basidiis cuneato-clavatis, 50 μ . longis, apice 3-4 sterigmata fusoidæ gerentibus; conidiis globosis vel subglobosis, verruculosus, copiosis, 2,5-4,9 μ . cr.

Hab. intra pericarpia *Phyllanthi Emblicæ*, cavitatem investiens *Ustilaginis* instar, Satpoorgebirge Indiæ occid. — « Affinis videtur *St. phæocephalæ* ».

11. **Sterigmatocystis Delacroixii** Sacc., *Sterigmatocystis ochracea* De- 7123
lacr. Bull. Soc. Myc. 1891, p. 109, t. VII, fig. f, nec Wilhelm. — Candida dein ochracea; hyphis fertilibus, erectis, simplicibus, continuis, pallide ochraceis, usque 0,5-1 mm. long., vesicula globosa, dilutissime colorata, 90 μ . diam., basidiis delapsis punctata; basidiis hyalinis, 39 \approx 12, sterigmata 3-4 gerentibus; conidiis catenulatis, globosis, hyalinis, tenuiter echinulatis, 7-8 μ . diam., catenulis subinde a medio furcatis.

Hab. in gelatina saccharata in laboratorio, Paris Galliæ.

12. **Sterigmatocystis ochracea** (Wilhelm) van Tighem, *Aspergillus* 7124
Wilhelm Pilzgatt. Asperg. pag. 66. — Hyphis fertilibus, mycelii hyphis multo crassioribus, membrana valde incrassata firma, flavescente, verrucosa; capitulis conidiorum ochraceis; conidiis globosis, raro ovoideis, 3,5-5 μ . diam., episporio tenuissime verruculoso decolore v. flavescente.

Hab. in pane udo putrescente in Germania et in Gallia.

AMBLYOSPORIUM Fres. — Sacc. Syll. IV, p. 77.

1. **Amblyosporium bicollum** Cost. Bull. Soc. bot. Fr. 1887, p. 30. — 7125
Hyphis fertilibus cum conidiis 4-5 mm. alt., septatis, apice ramulis conidiophoris brevissimis præditis; conidiis dolioliformibus angustissimis, utrinque colliformi-attenuatis, 21 \approx 7, concatenatis.

Hab. ad basin *Lycoperdi gemmati* pr. Paris Galliæ.

2. **Amblyosporium album** Rich. Cat. Champ. Maru. n. 1880. — Cæ- 7126
spitulis parvis; hyphis dichotomis, apice in basidia numerosa umbellatim disposita desinentibus; conidiis ovoideis.

Hab. in pileo *Polypori* cujusdam apodi, St.-Amand Galliæ.

PENICILLIUM Link — Sacc. Syll. IV, p. 78.

1. **Penicillium Duclauxi** Delacr. Bull. Soc. Myc. 1891, p. 107, t. VII, 7127

f. e. — Effusum candidum v. sulphureum, mox olivaceum; hyphis fertilibus erectis, septatis, apice iterato strictè ramosis, ramulis ultimis tereti-fusoideis, catenulas conidiorum elliptico-sphæroideorum, 3-4 μ . diam., virescentium gerentibus.

Hab. in uvis ex Tunisi, quæ in aqua fervebant, in laboratorio (E. DUCLAUX). — Simul oritur forma fasciculata (*Coremium*) clavata, subcitrina, supra olivacea, interdum 2 cm. long., ex hyphis septatis, 3 μ . cr., coalitis constans.

2. **Penicillium roseum** Link, Syll. IV, p. 83. — Sec. cl. Oudem. Contr. Myc. XI, p. 35, genuina species præbet conidia ex hyalino rosea, 5-6 = 2-2,5; hæc nascitur quoque in radicibus putridis Dauci Carotæ in Nederlandia. — **Pen. candidum** Link, Syll. IV, pag. 79. Hujus speciei cl. Morini (Malp. 1888, pag. 224) statum ascophorum illustravit.

GLIOCLADIUM Corda. — Sacc. Syll. IV, p. 84.

1. **Gliocladium lignicolum?** Grove in Journ. of Bot. 1886, p. 199. — 7128
Hyphis gregariis vel fasciculatis, erectis, æqualibus, 3-4-septatis, hyalinis, apice penicillatim di-trichotomis; capitulo conidiorum globoso v. obovato, albo; conidiis muco conglutinatis, hyalinis, oblongo-ovoideis, 2-2,5 = 1,5.

Hab. in ligni superficie, Barnt Green Britannicæ. — A *G. penicillioide* non nisi conidiis duplo brevioribus et loco natali differt; forsitan potius varietas habendum. Hyphæ parte inferiori, quin etiam ramuli, ligni succo colore brunneo tincti sunt.

2. **Gliocladium compactum** Cooke et Mass. Grev. XVI, p. 16. — Cæ- 7129
spitulis minutis, punctiformibus, ferrugineis; hyphis erectis, congestis, cæspitulos compactos efformantibus, septatis, plerumque simplicibus; capitulo conidiorum cuneato, pallide fusco, diu muco involuto; conidiis conglutinatis, oblongis, concatenatis, 5 = 3, hyalino-fuscis.

Hab. in charta uda ex India.

3. **Gliocladium agaricinum** Cooke et Mass. Grev. XVII, pag. 80. — 7130
Cæspitulis hemisphæricis, subinde confluentibus, pallidis dein albis, initio gelatinosis; hyphis repentibus, ramosis, fertilibus erectis, ramulis ultimis verticillato-quaternis; capitulo conidiorum subgloboso, albo; conidiis initio glutinosis, subglobosis, hyalinis, 5-6 μ . diam.

Hab. in Agarico campestri culto, pileum ejusdem squamoso-diffractum reddens, Leicester Britannicæ.

Trib. 5. Botryteæ SACC.

HAPLARIA Link — Sacc. Syll. IV, p. 45.

1. **Haplaria nitens** Delacr. Bull. Soc. Myc. 1890, p. 140. — Cæspitulis 7131
niveis, mycelio albo, guttulato, septato, repente, 10-12 μ . cr.; hy-
phis fertilibus erectis, septatis, plerumque pluri-furcatis; conidiis
sessilibus, sursum dense aggregatis, 5 μ . cr., hyalinis.

Hab. in cortice quercino coriario in laboratorio pathol.
veget. Paris Galliæ.

2. **Haplaria rhizophila** Sacc. et F. Sacc. Myc. Sib. p. 25, fig. 31. — 7132
Effusa, ochraceo-fusca, subvelutina, laxa; hyphis fertilibus erectis
v. declinatis vage ramosis, parce septatis, dilute fuligineis, tandem
obscurioribus, ramulis vero subhyalinis; hyphis superne ramulisque
crebre acute denticulatis; conidiis hyalinis ovoideis, exiguis, 2-4 =
3, denticulis oriundis.

Hab. in radice putrescente adhuc semiinfossa Betæ pr. Mi-
nussinsk Sibiriae (MARTIANOFF).

3. **Haplaria Ellisii** Cooke Grev. XVII, p. 69. — Tenuiter effusa, pur- 7133
pureo-fusca; hyphis tenuibus, erectis, simplicibus, subopacis, atro-
fuscis; conidiis ovatis, continuis, concoloribus, 4 = 2.

Hab. in ligno Abietis Douglasii etc., California, New Jer-
sey Amer. bor.

BLASTOMYCES Cost. et Roll. Bull. Soc. Myc. 1888, p. 153 (Etym.
blastos germen et *myces*). — Hyphæ parce ramosæ, septatæ, fili-
formes, primariæ lateraliter brevi-ramulosæ, ramulis in conidia
obovata, basi truncata abeuntibus; secundariæ assurgentes flexuosæ
sursum vage denticulatæ et conidia e globoso cuboideo-polygona,
demonstrant massam pulveraceam formantia gerentes. Adsunt quoque
in mycelio chlamydosporæ aquaticæ et æreæ. — «Genus mihi
sat ambiguum».

1. **Blastomyces luteus** Cost. et Roll. l. c. — Cæspitulis e sulphureo 7134
aurantiis, interdum viridulis; conidiis hyalinis, angulosis, ovoideis
v. subrotundis, 6 = 4.

Hab. in fimo ursino, Paris Galliæ.

CYLINDROTRICHUM Bon. — Sacc. Syll. IV, p. 88.

1. **Cylindrotrichum polyspermum** Karst. Symb. Myc. Fenn. XXVIII, 7135
p. 44. — Hyphis tenerrimis, hyalinis, 2-3 μ . cr., cæspites tenuis-
simos, effusos, niveos formantibus; conidiis copiosissimis, cylindra-

ceis, utrinque rotundatis, rectis, guttulatis, hyalinis, 10-12 \approx 1,5-2.

Hab. supra folia putrescentia, præcipue Populi pyramidalis, in horto mustialensi Fenniæ.

2. **Cylindrotrichum repens** Bon. — Syll. IV, p. 88. — ***C. ferruginascens** Karst. Symb. XIV, p. 89. — Cæspitulis forma variis, plerumque oblongatis v. elongatis, 2-5 mm. long. ferruginascentibus; hyphis sterilibus et fertilibus subrepentibus, simplicibus, obsolete septatis, flavescens (sub lente); conidiis cylindræis, simplicibus, rectis, 6-10 \approx 1-1,5.

Hab. in caulibus emortuis Umbelliferarum prope Mustiala Fenniæ.

PHYSOSPORA Fr. — Syll. IV, p. 88.

1. **Physospora elegans** Cav. Mat. Lomb. p. 12, t. I, f. 4. — Cæspitulis subglobosis, gregariis, levibus, dilute aurantiacis vel carneis; hyphis sterilibus ramosis, septatis, lutescentibus, fertilibus procumbentibus saturatoribus, granulosis, ramis oppositis vel sæpius alternis, crassioribus, valde inflatis denticulatisque vel in vesiculas globosas exeuntibus; conidiis citriformibus, basi appendiculatis, levibus, plasmate granuloso, luteo farctis, sæpe in catenulas radiantes dispositis, 15-18 \approx 11-13.

Hab. in truncis putridis in cellis Instituti botanici Pavia Italiæ. — «An satis diversa a *Ph. rubiginosa*?».

HYPHODERMA Fr. — Sacc. Syll. IV, p. 89. Cfr. Karst. Hedw. 1890, pag. 179.

1. **Hyphoderma lætum** Karst. Rev. Myc. 1889. — Effusum, corticii-forme, crustaceo-membranaceum, fragile, continuum, leve, subtile subtiliter byssoideum album, ambitu subsimilari, læte roseum; hyphis sterilibus, repentibus, torulosis, ramosis, septatis, dense intertextis, hyalinis, 6-18 μ . cr.; hyphis fertilibus breviusculis, parallele stipatis, cylindræo-clavulatis; conidiis acrogenis, solitariis, ovoideis v. sphæroideis, ellipsoideis, subinde primitus sphæroideis, subhyalinis, eguttulatis, 12-19 \approx 9-12 v. 12-15 μ . diam.

Hab. in corticibus muscisque, quos obducit, in Fennia pr. Brodorp (EDW. HISINGER).

2. **Hyphoderma niveum** Fuck. Symb. Myc. p. 364. — Globulis hemisphæricis, 2 mm. latis, primo ex hyphis ramosis, septatis, niveis, arachnoideis contextis, demum intus in pulverem niveum, e coni-

diis constantem solutis; conidiis constanter niveis, globosis ovatis-ve, nucleatis, ca. 4 μ . diam.

Hab. in sterco canino putrescente et in foliis contiguis, pr. Oestrich Rhenogoviæ. — Cl. Fuckel l. c., enumerat quoque sed non describit: **Hyph. effusum** Fuck. [Fung. rhen. n. 241 sub *Illosporio roseo*] in thallo Physciæ et Parmeliæ et **Hyphod. sparsum** Fuck. [Fung. rhen. n. 239 sub *Illosp. aurantiaco*] in thallo plurium Lichenum. Præterea notat in utroque adesse mycelium.

ACREMONIUM Link — Sacc. Syll. IV, p. 89.

1. **Acremonium flexuosum** Peck 32 Rep. p. 44, t. I, f. 16-18 (icones non 7140 vidi). — Effusum, tenue, molle, lanatum, album, subinde flavido vel cremeo tinctum; hyphis ramosis, ramulis late divergentibus, passim oppositis, sursum tenuatis et flexuosis et apiculis alternantibus armatis; conidiis ovoideis vel ellipsoideis, 12-20 \approx 7-12, hyalinis.

Hab. in lignis dejectis, Griffins, Delaware Co. Amer. bor. — Affine videtur *A. albo* sed ramis flexuosis et spinulis alternis distinctum.

RHINOTRICHUM Corda. — Sacc. Syll. IV, p. 91.

1. **Rhinotrichum aureum** Cooke et Mass. Grev. XVIII, p. 27. — Late 7141 effusum, matricem ambiens, læte aureum; hyphis sterilibus repentibus, ramosis, tenuibus, septatis; fertilibus erectis, simplicibus v. dichotomis, septatis, 12-15 μ . cr., articulis ultimis obtuse papillatis; conidiis ovato-ellipsoideis, 18-20 \approx 10-12, in capitula subglobosa apice congestis.

Hab. in Paxillo putrescente, Epping Forest Britanniae.

2. **Rhinotrichum muricatum** Ell. et Ev. Proc. Acad. Phil. 1891, p. 86. 7142 — Late effusum, tomentellum, argillaceo-griseum; hyphis prostratis, brunneis, remote septatis, ramosis; fertilibus copiosis, erectis, muricato-asperulis, 100-125 \approx 10-12, sursum sensim tenuatis ubique conidia gerentibus; conidiis subellipticis, ferrugineo-brunneis, subinde inæquilateris, 7 \approx 3.

Hab. in corticibus dejectis, Adirondak Mts Amer. bor. (G. A. REX). — Hyphæ fertiles sabulo conspersæ viderentur.

3. **Rhinotrichum gossypinum** Speg. Guar. I, p. 160. — Mycelio ara- 7143 chnoideo-effuso, tenuissimo, vix manifesto, albo; hyphis sterilibus repentibus, continuis, gracilibus, 2-3 μ . cr. laxè ramoso-intricatis, fertilibus erectis, hinc inde ex hyphis sterilibus densiuscule assur-

gentibus, cylindraceo-conicis, breviusculis, 12-15 \approx 1, rectis, continuis, hyalinis, apice acutis, levibus; conidiis acro-pleurogenis, densiuscule aggregatis, sessilibus, elliptico-limoniformibus, 2,5-3 \approx 1,5-2, utrinque acutis v. apiculatis, hyalinis.

Hab. in acervulis Cercosporæ Caricæ, ad folia Caricæ Papayæ pr. Posta-cué Brasilæ.

4. **Rhizotrichum niveum** Cooke et Mass. Grev. XVI, p. 10. — Cæspitulis niveis, velutinis; hyphis erectis simplicibus, septatis, conidiorum diametro angustioribus, sursum denticulis conicis conidiophoris asperatis; conidiis majusculis, ovoideo-ellipticis, continuis, hyalinis, 20-25 \approx 10-12, basi apiculo minuto persistenti auctis.

Hab. in ligno putri, Chiswick Britannicæ.

SPOROTRICHUM Link — Sacc. Syll. IV, p. 96.

1. **Sporotrichum Darutæanum** Roum. in Rev. Myc. 1886, p. 92. — Cæspitulis sparsis, aureis; hyphis sterilibus repentibus; fertilibus raris, erectis, non septatis, tortuosis, fulvis; conidiis acrogenis, hyalinis, parvis, minusculis, 2-2,5 \approx 1-1,5.

Hab. in cortice exsiccato Cinnamomi udo in insula Mauritiæ (A. DARUTY).

2. **Sporotrichum læticolor** Cooke et Mass. Grev. XX, p. 38. — Effusum, demum stratum laxum pulvereum late aureum formans; hyphis procumbentibus, varie ramosis, septatis, 3-4 μ . diam.; conidiis elliptico-fusoideis, levibus, basi truncatis, copiosissimis, in ramulis brevibus lateralibus solitarie acrogenis, 8 \approx 4.

Hab. ad cortices, Halifax Britannicæ (CROSSLAND).

3. **Sporotrichum fallax** Lib. Crypt. II, n. 187 (1832), Sacc. F. Lib. n. 234. — Mycelio effuso, fibrilloso-byssino; hyphis ramosis, densissime intricatis, septatis albis; conidiis creberrimis, minutissimis, 1,5 μ . diam., globosis, primo aureis, tum sulphureis, demum albis.

Hab. in fagetis ad folia dejecta, truncos et radices herbarum muscorumque in Arduennis. — Habitus fere *Himantia*.

4. **Sporotrichum granuliferum** Karst. Hedw. 1890, p. 272. — Cæspitulis densis, pulvinatis v. granuliformibus confertis, subcrustaceis, albis, exiguis; hyphis tenerrimis, remote articulatis, 2-3 μ . cr.; conidiis copiosissimis, late ellipsoideis v. ovalibus, 1-2 mm.

Hab. in ligno putri pineo ad Mustiala Fennicæ.

5. **Sporotrichum minutulum** Speg. — Syll. IV, p. 101 — var. **Araneæ** Brun. Champ. ajout. Saint. pag. 246. — Cæspitulis albis, minutis,

subinde confluentibus; hyphis valde intertextis; conidiis subglobosis vel ovoideis, 3-4 \approx 2-2,5, hyalinis.

Hab. ad corpus et crura Araneæ cujusdam, Saintes Galliæ.

6. **Sporotrichum parvulum** Pass. in Brun. Champ. nouv. VI, p. 4. — 7150
Cæspitulis parvis, albis; hyphis albis, numerosis, intermixtis, ramosis?, continuis; conidiis numerosis, minutissimis, globosis, hyalinis.

Hab. in Vespa Crabrone emortua, Fontcouverte prope Saintes Galliæ.

7. **Sporotrichum larvatum** Peck 32 Rep. pag. 44. — Cæspitulis con- 7151
fluentibus, densis, mollibus, dein pulverulentis albidis vel flavidis, matricem totam obducentibus; hyphis tenuissimis, simplicibus vel ramosis; conidiis copiosis, minutis, globosis, 2-3 μ . diam.

Hab. in larvis sub Alnis, Adirondack Mount. Amer. bor. — «An *Botryti Bassianæ* affinis species?»

8. **Sporotrichum Lecanii** Peck 44 Rep. pag. 25. — Effusum, album, 7152
pulvereum; hyphis tenuissimis, 2-2,5 μ . cr. procumbentibus, irregulariter ramosis, ramis suberectis, albis; conidiis minutis, hyalinis, oblongo-cylindræis, 5-7 \approx 2,5-3.

Hab. in scutellis Lecanii speciei ad Magnoliam acuminatam, Salamanca Amer. bor.

9. **Sporotrichum muris** (Gluge et D'Udek.) Sacc. *Microsporum* Glu- 7153
ge et D'Udekem De quelq. paras. végét. p. 15-16, t. II, f. 3-4. — Effusum dense pelliculosum candidum, adhærens; hyphis filiformibus inæqualiter dichotomico-ramosis dense intricatis continuis, hyalinis 6 μ . cr. apice coniodophoris; conidiis globosis, hyalinis, 6 μ . diam., levibus.

Hab. in facie muris cujusdam ab oculis ad naræ, Bruxelles (J. VAN VOLXEM). — Animal fungo affectum oculum et pilos partibus invasæ jam amiserat.

10. **Sporotrichum peribebuyense** Speg. Guar. I, p. 159. — Cæspitu- 7154
lis hypophyllis, adnato-superficialibus, linearibus, sparsis vel hinc inde laxè aggregatis, majusculis, 1-5 mm. long., 0,5-1 mm. cr., pulvinatis, gossypino-tomentosis, compactiusculis, albis vel pallidissime roseis; hyphis omnibus repentibus, dense intricato-ramosis, crassiusculis, 5-5,5 μ . cr., densiuscule septatis, sterigmatibus papilliformibus, sparsis, minutissimis hinc inde ornatis, hyalinis; conidiis globosis, levibus (an per ætatem ruguloso-asperulis?) majusculis, 6-8 μ . diam., nubiloso-guttulatis, hyalinis.

Hab. ad folia viva *Setariæ* sp. elatæ in montuosis Cordillera de Peribebuy Brasilæ. — Habitus *Ramulariæ?* *roseæ* Speg.

11. **Sporotrichum nitens** (Pers.) Link Sp. Fung. I, p. 3, *Himantia* 7155

Pers. Myc. Eur. I, p. 91. — Effusum, pelliculosum, subtilissimum; hyphis densissime intricatis, albis; conidiis globosis, minutis.

Hab. in foliis dejectis, Paris Galliæ (PERSON). — Folia obtegit instar pelliculæ tenerrimæ albæ, quæ colore albo inde nitent. «Sec. Fr. S. M. (index) esset mycelium; an potius *Hypochni* species? Cfr. Desm. Exs. n. 1541».

12. **Sporotrichum vile** Karst. in Hedw. 1891, p. 303. — Cæspitulis 7156

late effusis, tenuissimis, albidis; hyphæ tenerrimis, cito evanescentibus, circiter 2 μ . cr.; conidiis oblongatis, obtusiusculis, rectis, eguttulatis hyalinis, 4-7 \approx 1-2.

Hab. supra cæspites *Cladosporii* in caulibus *Brassicæ* *Napi* obvenientes ad *Mustiala* Fenniæ.

13. **Sporotrichum epigæum** Brun. Fragm. Myc. II, p. 11. — Cæspi- 7157

tulis albo-griseolis; hyphis intermixtis, numerosis, ramosis, gracillimis, albo-griseolis; conidiis globosis, concoloribus, 3 μ . diam.

Hab. ad terram, Fouras prope *Saintes* Galliæ.

14. **Sporotrichum Peckii** Sacc. *Sporotrichum cinereum* Peck 43 Rep. 7158

pag. 29, nec Schulz. — Cæspitulis oblongis, effusis, pulverulentis, cinereis; hyphis tenuissimis, 3,5-4 μ . cr., ramosis, crispato-flexuosis, denticulatis; conidiis copiosis, globosis, 3-4 μ . diam.

Hab. in ligno *Piri* *Mali*, Manor Amer. bor.

15. **Sporotrichum cinereum** Schulz. Bot. Centr. 1883, XV, p. 3. — 7159

Hyphis cinereis, ramosis, continuis, repentibus, intricatis; conidiis globosis, 1,5-2 μ . diam.

Hab. in superficie atramenti ubi stratum cinereum format in *Hungaria*. — «Verisimiliter *Penicillii* forma».

SPOROTRICHELLA Karst. Symb. XX, p. 96 (Etym. a *Sporotricho*).

— Hyphæ vage ramosæ, articulatae, subæquales, molles, subscendentes, læte coloratae. Conidia subsolitaria, fusoideo-elongata, continua, hyalina. — Est quasi *Sporotrichum* fuisporum.

1. **Sporotrichella rosea** Karst. loc. cit. — Cæspitulis confertis, sæpe 7160

confluentibus, rotundatis, minutis, roseis, demum expallentibus; hyphis 3-6 μ . cr.; conidiis fusoideo-elongatis, utrinque acutis, rectis, continuis, eguttatis, hyalinis, 10-30 \approx 3-4.

Hab. in caulibus aridis *Umbelliferarum* in ditone *mustialensi* Fenniæ.

MONOSPORIUM Bon. — Sacc. Syll. IV, p. 113.

1. **Monosporium coprophilum** Cooke et Mass. Grev. XVI, pag. 10. — 7161
Candidum; cæspitulis subglobosis, demum confluentibus; hyphis intertextis, septatis; fertilibus brevibus, repetito dichotomis, ramis ascendentibus, sursum leniter tenuatis; conidiis ovoideis, continuis, hyalinis, intus granulosis, 12-15 \approx 10.

Hab. in stercore, Kew London Britanniae.

2. **Monosporium olivaceum** Cooke et Mass. Grev. XVI, pag. 78. — 7162
Late et plerumque dense effusum, olivaceum; hyphis intertextis, septatis, pallide olivaceis, fertilibus erectis, sursum parce ramosis, ramulis modo alternis, modo binatis; conidiis ovoideis, hyalinis, 6-8 \approx 4.

Hab. in Corticio et in rami cortice proximo, Carlisle Britanniae (Doct. CARLYLE).

3. **Monosporium crustaceum** Karst. Fragm. Myc. Fenn. XXII, p. 2. 7163
— Cæspitulis late effusis, floccosis, cinereis; hyphis e basi simplici dichotomo-ramosis, inferne dilatissime fuliginosis (sub lente), superne hyalinis, subtilissime asperulis, usque ad 6 μ . cr., ramulis hyalinis acutis; conidiis solitariis vel raro binis acrogenis, ovoideis vel ovalibus, eguttulatis, hyalinis, 8-10 \approx 5-6.

Hab. supra lignum vetustum Aceris platanoidis in horto mustialensi Fenniae (ONNI KARSTEN).

LANGLOISULA Ell. et Everh. Journ. Myc. 1889, p. 68 (Etym. a rev. A. B. LANGLOIS gallico, mycologiae boreali-americanæ strenuo exploratore). — Hyphae omnes subprostratae mox repetito dichotome ramosae intricatae, ramulis ultimis sat brevibus subulato-spiniformibus. Conidia e globoso ovoidea, continua læticoloria, in spinulis solitarie acrogena.

1. **Langloisula spinosa** Ell. et Ever. Journ. Mycol. 1889, pag. 68, 7164
tab. X, fig. 1-2. — Hyphis prostratis, flavis, 2-3 μ . diam., repetito dichotomis, ramis ultimis brevibus, subulatis vel spiniformibus, stratum tenuem, dilute flavum, demum fulvum efformantibus; conidiis globosis vel ovoideis, flavis, 12-14 μ . diam., in stratum laxum congestis.

Hab. in basi culmorum Andropogonis muricati, St. Martinsville Louisianae Amer. bor. — Habitus omnino *Gonytrichi fulvi*.

BOTRYTIS Mich. — Sacc. Syll. IV, p. 116.

1. **Botrytis Croci** Cooke et Mass. Grev. XVI, p. 10. — Cæspitulis 7165
minutis atro-fumosis, passim confluentibus et effusis; hyphis cras-
siusculis, dense septatis, sursum attenuatis ramulosisque, pallide
olivaceis, superne hyalinis; conidiis ellipsoideis, continuis, hyalinis,
15-18 \times 8-10, apice hypharum et ramulorum in capitula minuta
3-8-aggregatis.
Hab. in foliis emortuis Croci, Kew London Britanniaë.
2. **Botrytis corolligena** Cooke et Mass. Grev. XVI, pag. 10. — Spar- 7166
sa, alba; hyphis erectis, septatis, superne brevissime ramosis; co-
nidiis ovoideis, continuis, hyalinis, 25 \times 15-18, in capitula subglo-
bosa minuta congestis.
Hab. in floribus Calceolariaë cultæ, Kew London Britanniaë.
3. **Botrytis parasitica** Cav. App. Pat. Veg. p. 10, t. VI, f. 1-4. — 7167
Hyphis cinereis, sparsis, erectis, articulo basali inflato; conidiis
ovatis, magnis, breviter pedicellatis, in ramulis minutis, capitatis,
umbellatim dispositis, hyalinis vel dilute cinereis, 16-20 \times 10-13.
Hab. in foliis, scapo et floribus Tulipæ Gesnerianæ, quam
vexat, Pavia Italiaë.
4. **Botrytis gonatobotryoides** Cooke et Mass Grev. XVI, pag. 79. — 7168
Albida; hyphis gregatis sed non fasciculatis, erectis, simplicibus
vel furcatis, septatis, pallide olivaceis, apicibus conidiophoris non
inflatis sed cristulatis; conidiis ellipsoideis, continuis, hyalinis, 15 \times
7-8, in glomerulos apicales et pleurogenos subglobosos congestis.
Hab. in foliis emortuis Hyperici calycini, Kew Britanniaë.
5. **Botrytis Douglasii** Tubeuf Beitr. Baumkr. p. 4, t. I et Bot. Centr. 7169
1889, III, p. 152. — Mycelio endogeno, fuligineo, septato 14 μ . cr.;
hyphis fertilibus subfasciculatis fuscidulis erectis, sursum dendroi-
deo-ramosis, subcontinuis; ramulis patentibus, apicibus conidiopho-
ris dilatatis denticulatisque; conidiis botryoideo-congestis ovoideis,
9 \times 6, subhyalinis.
Hab. in foliis Abietis Douglasii in Germania cultæ. —
Folia et ramuli juniores, fungo correpti, arescunt et tandem emo-
riuntur. Sclerotia discoidea, nigra in foliis a mycelio quoque ge-
nerantur.
6. **Botrytis brunneola** Rabh. Herb. Myc. 771, Grev. XVII, p. 68. — 7170
Cæspitulis velutinis, effusis, olivaceo-fuscis; hyphis erectis, sub-
simplicibus, fuscis; ramis verrucæformibus vel elongatis; conidiis

oblongis vel ovoideis, hyalinis, e verrucis innovantibus, episporio pallide colorato, 8-10 \approx 5-6.

Hab. in capitulis (cujus?) humi jacentibus, Doemitz.

7. **Botrytis atro-fumosa** Cooke et Ell. Grev. XVII, p. 68. — Effu- 7171
sa, indeterminata, atro-fumosa; hyphis tenuibus, gracilibus, sparse furcatis, septatis, subhyalinis; conidiis profusis, agglomeratis, subglobosis, continuis, fuscis, 5-6 \approx 4.

Hab. in cortice et ligno *Quercus* in Carolina inf. et New Jersey Amer. bor. (RAVENEL, ELLIS).

8. **Botrytis laxissima** Karst. in Hedw. 1891, p. 299. — Cæspitulis 7172
effusis, laxissimis, farinosis albis; hyphis fertilibus ascendentibus, septatis, dichotome ramosis, 9-12 μ . crassis, ramulis brevibus, apice, 15-22 μ . crassis subgloboso-inflatis, levibus; conidiis sphæroidis, levibus, sessilibus, 7-9 μ . diam.

Hab. supra terram humosam corporaque varia putrida in ditione mustialensi Fennicæ.

9. **Botrytis longibrachiata** Oud. Microm. I, p. 7, t. I. — Candidissi 7173
ma, sparsa, neutiquam cæspitosa, 1,5-2 mm. alt.; mycelio repente, ramoso, articulato; hyphis fertilibus verticalibus, hyalinis, articulatis, ramis numerosissimis, patentibus, apice inflatis et capitulato-globosis præditis; conidiis numerosissimis, hyalinis, ovalibus, 4,5-5,5 \approx 2,5.

Hab. in pagina superiore foliorum subexsiccatis *Curcumæ rubricaulis* in horto botanico Amsterdam Nederlandiæ. — E sect. *Phymatotrichi*.

10. **Botrytis compacta** (Pat.) Sacc. *Phymatotrichum compactum* 7174
Pat. Bull. Soc. Myc. 1891, p. 182, t. XII, f. III. — Velutina, tuberculiformis vel irregulariter effusa; hyphis sterilibus repentibus, septatis, contortis, asperulis, olivaceo-brunneis, 2 μ . cr., fertilibus concoloribus erectis, asperulis, 5-7 μ . cr., pyramidato-ramosis, ramulis 2-4 verticillatis, hyalinis ovato-oblongis, apice tenuiter capitatis denticulatisque; conidiis ovoideis, fuliginis, 5 \approx 3, inferne truncatis.

Hab. in cortice *Eucalypti*, Quito Amer. merid.

11. **Botrytis griseo-lilacina** E. et E. Journ. Myc. 1888, pag. 45. — 7175
Hyphis sterilibus prostratis, brunneis, intricato-ramosis, asperulis, 3-4 μ . diam., stratum continuum, griseo-lilacinum, 0,5-2 cm. lat., margine definito fimbriatulo, pallido; hyphis fertilibus erectis, pallidis, simplicibus vel parce ramosis, passim sursum subundulatis; conidiis acrogenis, ellipsoideis, subhyalinis, 5-9 \approx 3-4.

- Hab.* in cortice *Quercus emortuæ*, Concordia Mo. Amer. bor. (C. H. DEMETRIO).
12. **Botrytis fasciculata** E. et E. Journ. Myc. 1888, p. 105. — Con- 7176
fertim sparsa, fasciculato-plumiformis, pallide lilacina, 1 mm. alta; hyphis fasciculatis, di-trichotomis, ramulis cylindraceis erectis, strictis, subhyalinis, sursum passim leviter denticulatis; conidiis ellipsoideis v. ovato-ellipsoideis, hyalinis, 4-5 \approx 3.
Hab. in truncis dejectis udis, Louisiana Amer. bor. (LANGLOIS).
13. **Botrytis tephroidea** Sacc. et Ell. Journ. of Myc. 1888, p. 105. — 7177
Cinerea, tenuis, effusa; hyphis parce erecto-ramosis, rarius asperulis; conidiis apiculatis, oblongo-ellipticis, 8-9 \approx 4-5.
Hab. in caulibus dejectis *Ambrosiæ trifidæ* et ad ligna putrida, Pointe à la Hache La. Amer. bor. (LANGLOIS). — Ad *B. geniculatam* accedit, sed distincta.
14. **Botrytis sphærospora** (Ces.) Sacc. *Nodulisporium* Ces. Bot. Zeit. 7178
1855, pag. 300. — Peraffinis *B. ochraceæ*, a qua differt conidiis sphaericis nec ovoideis.
Hab. sub cortice putri *Castaneæ* in Ital. bor.
15. **Botrytis albido-cæsia** Boud. Bull. Soc. myc. 1891, pag. 81, t. V, 7179
fig. 1. — Effusa, laxa, albido-cæsia; hyphis sterilibus varie ramosis, septatis, repentibus; fertilibus erectis, haud rigidis, 1-1,5 mm. altis, parce septatis, intus granulosis, supra divisis, apicibus vix denticulatis; conidiis globosis majusculis, 10-12 μ . diam., intus granulosis, capitula rotundata, 25-35 μ . cr. formantibus.
Hab. ad ligna et cortices circa Paris Galliae. — Affinis *B. piluliferæ*.
16. **Botrytis hypophylla** Ell. et Kell. Journ. Myc. 1889, p. 143. — 7180
Cæspitulis parvis, albis, demum supra folii superficiem omnino confluentibus et tomentum album efformantibus; hyphis repentibus laxè intertextis, ramosis, fertilibus erectis, 30-150 \approx 2,5-3, continuis, hyalinis, supra subverticillatim vel raro dichotomice ramosis, apicibus conidiophoris muricato-lobatis; conidiis globosis, 3,5-4,5.
Hab. in foliis vivis *Teucrii canadensis*, sociâ *Cercosporâ ferrugineâ*, Manhattan, Kansas Amer. bor. (M. A. CARLETON).
17. **Botrytis cinereo-glauca** Ell. et Kell. Journ. Myc. 1889, p. 143. 7181
— Stratum cinereum vel subglaucum, continuum, subcorticalem efformans; hyphis repentibus ramosis, laxè intertextis, 2-2,5 μ . cr., septatis, subinde supra septa leniter inflatis, ex hyalino subfuscis; hyphis fertilibus erectis, 75-100 \approx 1,5-2,5, hyalinis vel basi subfuscis, primo parce demumque copiose et irregulariter ramosis, ra-

mis vulgo rectis, sursum subattenuatis; conidiis in massas parvas congestis, ovato-oblongis, hyalinis, $3-5 \approx 1\frac{3}{4}-2\frac{1}{4}$.

Hab. in ligno corticato trunci putris Ulmi americanæ, Manhattan, Kansas Amer. bor. (KELLERMAN et SWINGLE).

18. **Botrytis rhinotrichoides** Sacc. et Ell. Journ. of Myc. 1888, p. 105. 7182

— Hyphis subsimplicibus, eximie verticillato-spiculoso-sporigeris; conidiis candidis, subglobosis, $4 \approx 3\frac{1}{2}-4$.

Hab. parasitice in Stemonite vetusta ad Sphagnum, Newfield N. J. Amer. bor. — Ad genus *Rhinotrichum* valde accedit.

19. **Botrytis campotricha** Sacc. Syll. IV, pag. 117 — var. **fennica** 7183

Karst. Symb. Myc. Fenn. XXV, p. 24. — Cæspitulis pulvinatis, minutis, confluentibus, albis; hyphis parce septulatis, ramosis, $4-6 \mu$. cr., ramis vulgo rectis; conidiis ellipsoideis v. ovalibus v. suboblongis, eguttulatis, hyalinis, $5-8 \approx 2-3,5$.

Hab. ad lignum Pini silvestris alicubi in Fennia. — Nudo oculo lignum videtur farina adpersum.

20. **Botrytis sporotrichoides** Karst. Hedw. 1890, p. 272. — Late ef- 7184

fusa, alba, siccitate canescens; hyphis vage ramosis, articulatis, hyalinis vel hyalino-fuliginis, $11-22 \mu$. cr., ramis patentibus, fertilibus erectis, apice obtusiusculis; conidiis sphæroideis, hyalinis, eguttulatis, $5-7 \mu$. diam.

Hab. in asseribus Pini vetustis ad Mustiala Fennicæ.

21. **Botrytis virella** Fr. — Syll. IV, p. 127 — var. **ærugineo-glauca** 7185

Karst. in Hedw. 1891, p. 248. — Late effusa, tenuis, pulveracea, ærugineo-glauca; hyphis tenerrimis, articulatis, ramosis, hyalinis; conidiis sphæroideis, raro ovoideis, levibus, conglomeratis, copiosissimis, circ. 3μ . diam.

Hab. in ligno putrescente trunci stantis Betulæ prope Mustiala Fennicæ. — An *Botrytis æruginea* Schum.?

22. **Botrytis funicola** E. et E. Journ. Myc. 1888, p. 124. — Hyphis 7186

subolivaceis, simplicibus v. subtus parce ramosis, continuis, $20-30 \approx 2-2,5$, stratum atro-olivaceum efformans; conidiis acrogenis, solitariis?, olivaceis, ovato-ellipsoideis, 1-guttatis, $3-4 \approx 2-2,5$.

Hab. in funi vetusto ad terram dejecto, Newfield, New Jersey Amer. bor. — *B. atro-viridi* affinis.

23. **Botrytis terrestris** Brun. Fragm. myc. II, 1887, p. 11. — Cæ- 7187

spitulis albis v. albidis, hyphis albis, septatis, intermixtis, ramosis, ramis superioribus brevioribus et subelavato-incrassatis; conidiis hyalinis, minutissimis, globosis.

Hab. ad terram, Fouras pr. Saintes Gallicæ.

24. **Botrytis Brongniartii** Sacc. *Botrytis spec. à spores ovales* Brongn. 7188
 Champ. paras. des criquets pag. 5-6. — Mycelio tenuissimo repente septato, granuloso, albo velutino; hyphis fertilibus erectis, apice glomerulis conidiorum terminatis, conidiis copiosissime ovoideis, $4 \approx 2,5$, hyalinis in basidiis brevibus, piriformibus acrogenis, tandem flavido-pulverulentis.

Hab. in Acridio peregrino, quod necat, in Algeria. — ***B. Delacroixii** Sacc., *Botrytis sp. à spores rondes* Brongn. loc. cit. Ut præcedens sed conidiis constanter globosis $2,5 \mu$. diam. In iisdem Acridiis, quæ pariter necat, Constantine Algeriæ.

TOLYPOMYRIA Preuss — Sacc. Syll. IV, p. 137.

1. **Tolypomyria fungicola** Karst. Symb. Myc. Fenn. XXV, p. 25. — 7189
 Cæspitulis effusis vel subcircularibus, tomentosulis, albis; hyphis vage ramosis, flexuosis, articulatis, intricatis, $8-10 \mu$. cr.; glomerulis rotundatis, mucosis; conidiis ellipsoideis vel ovalibus, subinde sphæroideo-ellipsoideis, hyalinis $2-4 \approx 1-2$.

Hab. in Polysticto velutino putrescente in parœcia Tyrvis Fenniæ.

OVULARIA Sacc. Syll. IV, p. 139.

1. **Ovularia Malorum** Cooke in Grevillea XIV, p. 139. — Hypophylla; 7190
 maculis effusis, confluentibus, albidis, subfarinosis; hyphis brevibus; conidiis ellipticis, hyalinis, $10-12 \approx 4-5$.

Hab. in foliis vivis, petiolis, etc. ramorum juniorum Piri, New Zealand Austral. (KIRK).

2. **Ovularia Vitis** Rich. Cat. Champ. Marn. n. 1899. — Basidiis brevibus; conidiis fusoideis. 7191

Hab. in foliis Vitis exsiccatis, St.-Amand Galliæ.

3. **Ovularia necans** (Pass.) Sacc. *Ramularia* Pass. in Thuem. M. U. 7192
 n. 1669, Diagn. p. 12. — Conidiis globosis, basi vix acutis, matri-
 ci v. hyphis brevissimis adfixis, tandem in massam pulveream acervatis, hyalinis, $7,5-12 \mu$. diam.

Hab. in pagina superiore foliorum juvenilium Cydoniæ vulgaris, quæ statim enecat, Pavia Italiæ.

4. **Ovularia Macluræ** Ell. et Langl. Journ. Myc. 1890, p. 35. — Hypo- 7193
 phylla, in maculis ferrugineo-brunneis, rotundis $3-5$ mm. diam.;
 hyphis sterilibus ramosis, fertilibus, erectis subsimplicibus vel supra parce ramosis, tenuibus, continuis, hyalinis, $15-22 \approx 2,5-3$; conidiis subcatenulatis, ovoideis, hyalinis, continuis, $6-9 \approx 2,5-3$.

- Hab.* in foliis viventibus *Macluræ aurantiacæ*, St. Martinsville La. Amer. bor. (LANGLOIS).
5. **Ovularia compacta** Ell. et Ever. Journ. Mycol. 1889, pag. 68. — 7194
Maculis amphigenis, subellipsoideis, 1 cm. diam. dilute brunneis v. subalutaceis; cæspitulis densis; hyphis simplicibus, continuis, 15-25 \approx 4, supra leniter denticulatis v. integris; conidiis acrogenis, ovatis, 12-15 \approx 5-6.
Hab. in foliis viventibus *Macrorrhynchi troximoidis*, Colorado Amer. bor. (DEMETRIO).
6. **Ovularia rigidula** G. Delacroix Bull. Soc. Myc. Fr. 1890, p. 181, 7195
t. XX, fig. VI. — Cæspitulis epiphyllis, floccosis, niveis in macula amphigena ochraceo-grisea; hyphis conidiophoris hyalinis, granulatis, fasciculatis, simplicibus, obscuris uni- vel bi-septatis rigidis flexuosis, apice attenuatis, 60 \approx 5; conidiis ovoideis vel oblongo-piriformibus, deorsum attenuatis, 21 \approx 6.
Hab. in foliis vivis *Polygoni avicularis*, Vincennes prope Parisios Galliæ. — Differt a *O. Bistortæ* et *O. obliqua* forma et dimensionibus conidiorum.
7. **Ovularia simplex** (Pass.) Sacc. *Ramularia* Pass. Erb. critt. it. II, 7196
n. 1181 (1882). — Cæspitulis hypophyllis, albidis, pulvereis, mox evanidis, in macula livido-fusca, venis limitata; hyphis subfasciculatis erectis, subramosis, continuis, flexuosis, ad apicem nodulosis, conidio multoties longioribus; conidiis ellipticis simplicibus hyalinis, 16-22 \approx 10-12.
Hab. in foliis *Ranunculi velutini* in horto botanico, Parma. — «An diversa ab *Ovularia decipiente*?»
8. **Ovularia Carletoni** Ell. et Kell. Journ. Myc. 1889, pag. 144. — 7197
Cæspitulis hypophyllis, a folii venulis plus minus distincte limitatis, 2-4 mm. diam., pallide flavidis; epiphyllis maculis pallide flavidis, indefinitis notato; hyphis hyalinis, 25-35 \approx 4-5, ramulis conidiophoris lateralibus, gemmuliformibus præditis, in massas minutas tuberculiformes laxè aggregatis; conidiis oblongo-ellipsoideis, continuis, hyalinis, 12-15 \approx 6-7.
Hab. in foliis *Lactucæ*, Mitchell County, Kansas Amer. bor. (M. A. CARLETON).
9. **Ovularia Inulæ** Sacc. — Syll. IV, p. 141. — forma **major** Brun. 7198
Misc. Myc. II, p. 46. — Maculis angulosis v. irregularibus, purpurascens; conidiis oblongis v. ovoideo-oblongis, sæpe utrinque rotundatis, intus granulosus, hyalinis, 18-20 \approx 4-4.5.
Hab. in foliis *Inulæ dysentericæ*, Fouras Galliæ,

10. **Ovularia Brassicæ** Bresad. et Allesch. in Allesch. et Schnabl F. 7199
bav. n. 195. — Maculis amphigenis, subcircularibus vel irregula-
ribus sæpe confluentibus, marginatis, albidis; hyphis superficialibus,
filiformibus flexuosis, hyalinis, 60-80 \approx 2-3; conidiis ovatis, hyali-
nis, 6-8 \approx 3-3.
Hab. in foliis vivis Brassicæ Napi γ . esculentæ, Oberam-
mergau Bavaricæ super. (ALLESCHER).
11. **Ovularia Viciæ** (Frank) Sacc. *Ramularia Viciæ* Frank Krankh. 7200
Pfl. p. 600. — Maculis brunnescentibus; hyphis fertilibus flexuose
assurgentibus, simplicibus, supra denticulatis; conidiis subsphæri-
cis, basi papillatis, continuis, hyalinis.
Hab. in foliis Viciæ tenuifoliæ in Germania.
12. **Ovularia alpina** C. Mass. Contr. Mic. Ver. p. 107, t. 4. f. 25. — 7201
Cæspitulis hypophyllis, confluenti-effusis, cinereo-albis, maculas ru-
biginoso-fuscas in pagina superiore foliorum efficientibus; hyphis
fertilibus rectis, dense fasciculatis, subsimplicibus, apice alterne
denticulatis; conidiis pleuro acrogenis, hyalinis, raro breviter ca-
tenulatis, subovatis vel oblongo-ellipticis, 10-16 \approx 3-7, inferne api-
culatis.
Hab. in foliis Alchemillæ alpinæ in rupibus M. Zevola Agri
veronensis. — Ad *Ramulariam* vergit.
13. **Ovularia Stellaricæ** (Rabenh.) Sacc. *Ramularia* Rabenh. F. Eur. 7202
n. 1466. — Cæspitulis minutis hypophyllis in maculis demum are-
scentibus; hyphis cylindræis, tenuibus, hyalinis, subsimplicibus sub-
denticulatis; conidiis ovoideo-oblongis 10-12 \approx 6, continuis, hyalinis.
Hab. in foliis subviviis Stellaricæ nemorum et Mala-
chii (?) in Bavaria et Franconia. — An sit status infans *Isariopsis*
dis albo-rosellæ dubium adest.
14. **Ovularia Betonicæ** C. Mass. Contr. Mic. Ver. p. 108. — Maculis 7203
internerviis, angulosis, fuscis, sæpe confluentibus, cæspitulis vulgo
hypophyllis, candidis; hyphis fertilibus fasciculatis, continuis, sim-
plicibus, 20-60 \approx 4-6, superne subsinuosis, alterne denticuligeris;
conidiis oblongis subobovatisve, subgranuloso-farctis, utrinque ro-
tundato-obtusis, 9-27 \approx 9-12.
Hab. in foliis vivis Betonicæ Alopecuri in pratis monta-
nis pr. Campofontana Verona. — Mensura conidiorum et hyphis
fertilibus simplicibus sat distincta ab *Ovularia ovata*.
15. **Ovularia Bartsicæ** Rostr. Bidr. Ascom. Dovre p. 13. — Cæspitulis 7204
hypophyllis, albidis; hyphis sublongis, fasciculatis, flexuosis; con-
idiis oblongis, 15-20 \approx 6-8,

Hab. in foliis vivis *Bartsiaæ alpinæ*, Dovre Norvegiæ (BLYTT et ROSTRUP).

16. **Ovularia Alismatis** Passer. Diagn. F. N. IV, n. 13. — Maculis 7205
amphigenis fuscis initio discoideis dein varie expansis et confluentibus; cæspitulis hypophyllis maculas velo araneoso tegentibus; conidiis elongato-clavulatis, hyalinis, intus varie granulosis, 12-15 \times 3; hyphis tenuibus, simplicibus vel parce ramosis (?).

Hab. in foliis *Alismatis Plantaginis* alla Magnana presso Fornovo, prov. Parma. — *Peronospora interstitialis* B. et Br., Sacc. Syll. VIII, 1, p. 259, recte monente Trail, est *Ovularia*, verisimiliter ab *O. corcellensi* vix separanda. *Oidium Lamii* Rabenh., Flora 1853, p. 204, probabiliter est *Ovularia Lamii*.

SEPEDONIUM Link. — Sacc. Syll. IV, p. 146.

1. **Sepedonium aureo-fulvum** Cooke et Mass. Grev. XVI, p. 76. — Hy- 7206
phis repentibus, ramosis; conidiis globosis, profusis, pulvere aureo-fulvo Polyporos conspergentibus, episporio tenui, minute asperulo 9-10 μ . diam.

Hab. in Polyporis, Mordialloc, Victoria Australiæ (FRENCH).

2. **Sepedonium brunneum** Peck 32 Rep. p. 44. — Effusum, pulveru- 7207
lentum; conidiis globosis, asperulis, 20-25 μ . diam., tabacino-brunneis.

Hab. in fungis putridis Ganservoort Amer. bor.

3. **Sepedonium Fieberi** Bomm. Rouss. Sacc. Contr. Myc. Belg. IV, 7208
p. 94. — Hyphis hyalinis, repentibus, valde ramosis, parce septatis, passim asperulis, 1,5-3,5 μ . cr.; conidiis sphaericis, initio levibus, dein asperulis, 10 μ . diam., demum verrucis conicis prominentibus 3-3,5 μ . altis, asperatis, ex hyalino brunneolis, 27 μ . diam., verrucis demum dilabentibus et cicatrices 5 μ . diam. relinquentibus.

Hab. in excrementis murinis, parasiticum in *Chætomio Fieberi*, Watermael Belgii.

4. **Sepedonium latericium** Bres. Bull. Soc. bot. it. 1892, p. 197. — 7209
Hyphis effusis, filiformibus, vage ramulosis, 4-5 μ . cr., septatis, maculas latericias efformantibus; conidiis globosis, muriculatis, pallide roseis, 6 μ . diam.

Hab. ad terram, Cascine prope Firenze (U. MARTELLI).

MONOPODIUM G. Delacr. Bull. Soc. Myc. 1890 (Etym. *monos* unus et *pous podos* pes). — Hyphæ hyalinæ repentes. Conidia continua,

globulosa vel obovata, fuscidula, in apice ramulorum in sympodium unilaterale dispositorum acrogena, levia.

1. **Monopodium Uredopsis** Delacr. Bull. Soc. Myc. VI (1890), p. 99, 7210 t. XV, f. V. — Sparsum; hyphis hyalinis, granulosis, ramulis (ex icone) utrinque tenuatis; conidiis subglobosis, 25 \approx 20, brunneolis, episporio crassiusculo, levi.

Hab. in seminibus Pisi sativi loco udo tepidoque germinantibus in laboratorio, Paris Galliæ.

CHÆTOCONIDIUM Zukal Neue Ascom. p. 9, t. I, f. 7 (Etym. *chæte* seta et *conidium*). — Hyphæ copiosæ ramosæ. Conidia intercalaria, in quoque ramulo nunc solitaria, nunc bi-terna, terminalia apice setulam cuspidatam septatam, hyphæ coniodiophoræ subconformem gerentia, globosa, magna, hyalina, exosporio verrucoso, crassissimo donata.

1. **Chætoconidium arachnoideum** Zukal Neue Ascom. p. 9, t. I, f. 7. 7211 — Mycelio laxo, albo, septato, copiose ramoso, arachnoideo, vulgo 1 cm. alt., 5-6 cm. diam. ex hyphis 5-6 μ . cr. formato; conidiis intercalaribus, in quoque ramulo solitariis v. bi-ternis, globosis, hyalinis, 26-30 μ . diam., terminalibus setula tenui, acutissima rigida septata præditis, exosporio crassissimo, verrucoso.

Hab. in extracto Liebig diluto, Wien Austriæ — Hypharum articuli, conidiis proximi, sunt incrassati et saturatiores.

STEPHANOMA Wallr. — Syll. IV, p. 753. — Cum (præeuntibus cl. Corda Ic. VI, p. 3 et Delacroix Bull. Soc. Myc. 1891, pag. 113, tab. VIII, f. *m*) sporodochium desit, seu a matrice formatum sit, fungillus a Tuberculariaceis ad Mucedineas prope *Asterophoram* transferendum est. Conidia, teste Delacroix, sunt 30 \approx 25; subinde hyphæ apex in *Verticillium* abit. Habitat quoque in *Peziza hemisphærica* prope Parisios.

Trib. 6. Verticillieæ Sacc.

PACHYBASIMUM Sacc. — Syll. IV, p. 149.

1. **Pachybasium Tilleti** (Desm.) Oudem. Contr. Myc. Pays-bas XI, p. 36. Ita nominanda, teste Oud. loc. cit., *Botrytis Tilletii* Desm. — Syll. IV, p. 128. — Quæ nascitur quoque ad *Hypna* pr. Harlem Nederlandiæ (HEINSIUS) et præbet basidia ampulliformia 7 μ . cr, et conidia 3,5-4,7. Teste ipso cl. Oudem. Contr. XIII, p. 59 etiam

Verticillium pyramidale Bon. — Syll. IV, p. 157 — ob basidia ampulliformia *Pach. pyramidale* (Bon.) Oud. est dicendum.

VERTICILLIUM Nees — Sacc. Syll. IV, p. 150.

1. **Verticillium fimeti** Oud. Aanw. IX-X, p. 47. — Laxe gregarium, 7212
niveum; hyphis mycelii repentibus, fertilibus paucis assurgentibus, filiformibus, $\frac{7}{10}$ - $\frac{8}{10}$ mm. altis, 9-10 μ . crassis, 4-5-septatis, verticillatim ramosis; verticillis primariis tribus, singulis ramis ternis, ramis primi imo secundi ordinis sua vice verticillis ramorum ternatorum onustis; conidiis fere ovalibus, $1\frac{2}{3}$ -2, hyalinis.

Hab. in fimo Cuniculorum in Hollandia.

2. **Verticillium dichotomum** E. et E. Journ. Myc. 1888, p. 105. — 7213
Niveum, cæspitulosum, sparsum; hyphis fertilibus erectis, 70-80 μ 3-4, sursum subverticillatim v. sæpius dichotome ramosis, ramis rectis septatis, acutatis, 20 μ 3, apice conidia oblongo-clavata, continua, hyalina, 6-12 μ 2-3, solitaria gerentibus.

Hab. in caulibus Trifolii pratensis, Newfield N. Y. Americæ borealis.

3. **Verticillium ampelinum** C. et Mass. Grev. XVI, p. 79. — Album, 7214
cæspitosum; hyphis erectis, parce ramosis, ramulis ultimis plerumque ternatis, ad apicem attenuatis, septatis; conidiis ellipsoideis, hyalinis, continuis, 10 μ 4.

Hab. in sarmentis Vitis viniferæ, Kew London Britannicæ.

4. **Verticillium? lichenicolum** Speg. F. Puigg. n. 454. — Cæspitulis 7215
minutis albis gossypino-compactiusculis, gregariis sæpeque confluentibus globuloso-diformibus 250-400 μ . diam.; hyphis primariis erectis 120-200 μ 4-5 septulatis, hyalinis, alterne ramosis; ramulis solitariis vel geminatis 30-60 μ 3 divaricatis semel vel bis dichotomis; ramulis apice 3 sterigmatibus subampulluliformibus 7-8 μ 3 coronatis; conidiis in sterigmatibus acrogenis solitariis, ellipsoideo-obovatis 4-5 μ 2,5, continuis hyalinis.

Hab. in margine apotheciorum Physciæ et Peltigeræ cujusdam in Brasilia.

5. **Verticillium phyllostictoides** Speg. F. Guar. II, n. 182. — Maculis 7216
determinatis orbicularibus, minutis 0,5-2 mm. diam., candidis vel albo-pallescentibus, zona latissima purpurascente cinctis; cæspitulis epiphyllis solitariis vel 3-4-aggregatis, subconfluentibus, erumpenti-superficialibus minutis 150-300 μ . diam., candidis, compactiusculis, pulvinulato-diformibus; hyphis e parenchymate foliorum enatis erectis, cylindræis, continuis, breviusculis, gracilibus, 25-40

≈ 3-4 ad tertium superum pluries bi- v. trichotomis, ramulis ultimis phialiformibus 10 ≈ 3, hyalinis; conidiis ellipticis utrinque acutiuscule rotundatis rectis vel subinæquilateralibus, 5-7 ≈ 2-3, hyalinis in sterigmatibus acrogenis (an catenulatis?).

Hab. ad folia languida *Pothi pinnatifidæ* in silvis prope Guarapi Brasilæ.

6. **Verticillium? enecans** Speg. F. Puigg. n. 455. — Candidum, tenue; 7217
hyphis gracilibus 3-4 μ . cr., subcontinuis, dense gessypinulo-inter-
textis totam matricem vestientibus, basi repentibus, antice subex-
surgentibus alterni-ramosis, hyalinis; ramulis breviusculis 50-80 ≈ 3
divaricatulis continuis; sterigmatibus 3-9 in apice ramulorum ver-
ticillatis monosporis; conidiis ex obovato ellipsoideis 4-5 ≈ 2 sæpe
grosse 2-guttulatis, continuis, hyalinis.

Hab. in Agarico quodam pusillo ad corticem indeterminatum prope Apiahy Brasilæ.

7. **Verticillium Croci** Oudem. Contr. Myc. XI, pag. 38. — Albidum; 7218
hyphis primariis septatis, sursum verticilla ramorum duo v. tria
gerentibus, ramis subinde iterum verticillato-ramulosis; basidiis
elongatis sursum valde tenuatis, monosporis; conidiis ellipsoideis
2-4,6 μ . long.

Hab. in tuberculis putrescentibus *Croci verni*, Harlem Ne-
derlandiæ (Doct. J. A. WAKKER).

8. **Verticillium Aphidis** Bäuml. Crypt. Presb. p. 31. — Hyphis steri- 7219
libus repentibus, circ. 10 μ . cr., fertilibus erectis, hyalinis, verti-
cillato-ramosis, ramulis ternatis vel quaternis, 16-24 ≈ 3-4, sursum
acutis; conidiis acrogenis, solitariis, 6-9 μ . diam., hyalinis vel hya-
lino-flavicantibus.

Hab. in cadaveribus *Aphidis* sub *Thuja occidentali*,
Pressburg Hungariæ.

9. **Verticillium sporotrichoides** Sacc. sp. nov. — Effusum, byssinum, 7220
ochraceum, demum senio fusco-olivaceum; hyphis sterilibus copio-
sis, prælongis, parce ramosis, repentibus; fertilibus assurgentibus
longe vage ramosis, septulatis, 4-5 μ . cr., ramis simpliciter spi-
cato-ramulosis; ramulis verticillato- ternis vel quaternis, brevibus,
crassiusculis, asperulis, apice obtuse tenuatis; conidiis solitarie acro-
genis, e globoso ellipsoideis, 5-6 ≈ 4, ochraceis.

Hab. in cortice interiore *Oleæ europææ*, S. Remo Liguriæ
(PANIZZI). — Affine, ut videtur, *V. crasso*, et ob ramos primarios
vagos ad *Sporotrichum* accedit.

10. **Verticillium puniceum** Cooke et Ellis Grev. XVII, p. 68. — Pu- 7221

niceum, subcompactum; cæspitulis pulvinatis, ellipticis vel confluentibus; hyphis tenuibus, septatis, ramosis; ramulis verticillatis, brevibus, roseo-tinctis; conidiis ellipticis, minutis, continuis, profusis, hyalinis, $4 \approx 2$.

Hab. in ligno *Quercus*, Newfield N. J. Amer. bor. (ELLIS).

11. **Verticillium albo-atrum** Reinke et Berth. Zerset. Kartoff. p. 75, 7222 t. VIII et IX. — Mycelio endogeno effuso, fusciscente; hyphis fertilibus emergentibus, erectis, simplicibus, fuscis, sursum pallidioribus, ramoso-verticillatis, parce septatis; ramis ternis-quinis basi incrassatis ad apicem tenuatis ascendentibus; conidiis ovato-oblongis continuis, ex hyalino fuscis, $6-12 \approx 3$.

Hab. in caulibus *Solani tuberosi* subvivi in Germania.

12. **Verticillium Vizei** Berk. in Vize Microf. n. 247. — In frondibus *Aspidii aculeati* Forden. Exemplaria orig. a me observata præbent formam mycelio paullo evolutiore *Oosporæ perpusillæ* Sacc.

CLADOBOTRYUM Nees — Sacc. Syll. IV, p. 160.

1. **Cladobotryum terrigenum** Karst. Symb. Myc. Fenn. XXVII, p. 35. 7223 — Cæspitulis indeterminatis, arachnoideis, albis; hyphis fertilibus erectis, septatis, ramosis; ramis ternis, brevibus; conidiis terminalibus, ternis, oblongatis, rectis vel inæquilateralibus, continuis, rarius obsoletissime 3-septatis, hyalinis, $28-35 \approx 11-12$.

Hab. ad terram in horto mustialensi Fennicæ. — Ad *Dactylium* vergit.

COËMANSIA v. Tiegh. — Sacc. Syll. IV, p. 162.

1. **Coëmansia spiralis** Eidam Bot. Centr. 1888, III, p. 304. — Mycelio copiose ramoso, septato, hyalino demum brunneolo, hinc inde noduloso; hyphis fertilibus confertis, septatis, simplicibus, in spiram sursum densiorem contortis; sporophoris circa spiras nascentibus, sterigmata 4-5 uniseriata patentia, subcuboidea emittentibus; conidiis solitariis longe fusoides, hyalinis, $10-12 \approx 0,8-1$.

Hab. in tegumento vetusto udo equitum, ubi flocculos sparsos efficit, in Germania.

CLONOSTACHYS Corda — Sacc. Syll. IV, p. 165.

1. **Clonostachys spectabilis** (Harz) Sacc. *Botrytis spectabilis* Harz 7225 Hyph. pag. 27, tab. V, fig. 2. — Cæspitulis densis, subglobosis, 2-3 mm. diam., initio albis dein carneolis; hyphis erectis, filiformibus, remote septatis, a medio sursum iterato-dichotomo-ramosis, ramu-

lis subinde ternis; conidiis secus ramulos longe et dense spicatis, globulosis, 6 μ . diam., ex hyalino roseolis.

Hab. in ramis putridis Carpini Betuli, Æsculi in Austria (HARZ) et in pulvere coriario in Hollandia (OUDEMANS). — Cl. Oudemans in litt. monet conidia in hac specie esse stipitellata, qua nota accedit tum ad *Sceptromycetem*, tum ad *Botrytis* sectionem *Phymatotrichum*. Hinc in clavi generum (Syll. IV, p. 6) leviter reformandum character quoad conidia subinde stipitata.

2. **Clonostachys Gneti** Oud. Microm. I, p. 10, t. II, f. 1-5. — Cæ- 7226
spitosa, candidissima, amphigena; hyphis fructiferis erectis, articulatis, ramosissimis, ramis primariis vulgo sparsis, secundariis, tertiariis etc. bi- v. ternatim verticillatis, ab axi primario paulum tantum divergentibus, ex basi latiore vel inflata adscendentibus, ramis ultimis acuminatis; conidiis densissime plurifariam imbricatis, 6-7 \approx 2,5-3, ovoideis vel obovatis; spicis partialibus in longiores congestis, 160-190 μ . alt.

Hab. in foliis Gneti Gnomonis putrescentibus in horto botanico Amsterdam Nederlandiæ.

GONATORRHODIELLA Thaxt. Bot. Gaz. 1891 p. 202 (Etym. a *Gonatorrhodum* cui subaffinis). — Hyphæ steriles subhyalinæ, repentes, ramosæ, septatæ; fertiles erectæ, parce septatæ, in vesiculas primo terminales, dein et intercalares, conidiophoras hinc inde inflatæ, simplices vel parce ramosæ. Conidia ellipsoidea, continua, catenulata e vesicula superficie vix punctulata immediate oriunda, hyalina, capitulum sphaericum formantia.

1. **Gonatorrhodiella parasitica** Thaxt. loc. cit. t. XIX, f. 7-10. — 7227
Subsparsa, pallida; hyphis fertilibus fere 1 mm. alt., 8-12 μ . cr., hyalinis dein fulvellis; vesiculis 25-35 μ . diam., raro 43 \approx 36; conidiis plerumque in quaque catenula ternis, ovoideis vel ellipsoideis, utrinque acutiusculis, 8-12 \approx 6-7, infero majore.

Hab. parasitice in *Hypomycete* et *Hypocrea*, Connecticut Amer. bor. — Vesiculæ intercalares proliferationibus successivis formantur, ita ut quævis vesicula sit initio terminalis.

Sect. 2. Didymosporæ Sacc.

DIPLOSPORIUM Bon. — Sacc. Syll. IV, p. 176.

1. **Diplosporium breve** Peck 44 Rep. pag. 26. — Hyphis cæspitosis, 7228

brevibus, sparse ramosis, albis; conidiis oblongis, 1-septatis, ad septum subconstrictis, hyalinis, 12,5-15 \approx 5-6,5.

Hab. ad Sphærias nonnullas, Redfield Amer. bor.

2. **Diplosporium albo-roseum** Karst. Symb. Myc. Fenn. XXVIII, p. 44. 7229

— Cæspitulis gregariis, sæpissime confluentibus, byssinis, sat densis, minutis, albis, dein in roseum vergentibus, hyphis fertilibus vage ramosis, articulatis, adscendentibus; conidiis oblongatis v. ovoideo-oblongatis, solito medio constrictis, sæpissime obsolete 1-septatis, hyalinis, eguttulatis, 30-40 \approx 12-14.

Hab. in rimis corticis *Syringæ vulgaris* in horto mustialensi Fennicæ.

TRICHOTHECIUM Link — Sacc. Syll. IV, p. 179.

1. **Trichothecium albido-roseum** (Roum.) Berl. et Vogl. Add. Syll. 7230

n. 3600, *Trichosporium albido-roseum* Roum. in Rev. Myc. 1886, p. 92. — Cæspitulis pulvinatis, primo distinctis dein confluentibus, primum albis dein roseis, inter corticem et lignum nidulantibus et perithecia *Diplodice Mori* tegentibus; hyphis sterilibus repentibus, ramosis, septatis, intricatis; hyphis fertilibus erectis, non septatis, raris; conidiis ovoideis (non piriformibus), didymis, 16-20 \approx 10-14.

Hab. in ramis emortuis *Mori* albæ udis, Carcassone Gallicæ.

CEPHALOTHECIUM Corda — Sacc. Syll. IV, p. 181.

1. **Cephalothecium macrosporum** Speg. Guar. I, p. 161. — Mycelio 7231

laxe arachnoideo, adnato-effuso, tenuissimo, albo; hyphis sterilibus repentibus, densiuscule ramulosis, continuis vel parcissime septulatis, 3-5 μ . cr., hyalinis; hyphis fertilibus hinc inde laxissime adsurgentibus, continuis v. sæpius 3-5-septatis, cylindraceutis, breviusculis, erectis, gracilibus, 35-60 \approx 1-2, rectis v. vix flexuosulis, sursum sensim attenuatis, apice minute abrupteque noduloso-sterigmatophoris; hyalinis sterigmatibus minutissimis, vix perspicuis, 6-10-aggregatis; conidiis subcapitatis, ellipticis v. elliptico-subclavulatis, elongatulis, 10-18 \approx 2,5, utrinque obtusiusculis, medio 1-septatis, non constrictis, loculo infero quam supero sæpius crassiore, hyalinis,

Hab. ad stromata viva *Schneepiæ guaraniticæ* in foliis *Styracis* sp., Ja-kan Brasilicæ.

2. **Cephalothecium Lycopersici** (Plowr.) Sacc. *Dactylium* Plowr. 7232

Fung. Dis. Tom. p. 4, f. 8. — Floccosum, albido-roseum; hyphis

erectis, sparse septatis; conidiis hyalino-roseolis ovoideis v. ovato-piriformibus, 1-septatis, sæpe apiculatis, ternatim acrogenis.

Hab. in fructibus Solani Lycopersici pr. King's Lynn Britanniae.

DIDYMOPSIS Sacc. et March. — Syll. IV, p. 182.

1. **Didymopsis spicata** Rich. Cat. Champ. Marn. n. 1917. — Velutina, 7233
albida; hyphis erectis, ramosis; conidiis cuneiformi-elongatis, hyalinis, 1-septatis, verticillatim et spicatim dispositis.

Hab. in disco Pezizæ (Geopyxidis) Ciborii?, Marne Galliae (A. LEBRETON).

MYCOGONE Link. — Sacc. Syll. IV, p. 183.

1. **Mycogone ochracea** Boud. Bull. Soc. Myc. 1891, p. 81, t. V, f. 2. 7234
— Ochracea, non fulvescens; conidiis didymis, loculo superiore sphaerico, ochraceo, verrucis satis congestis exasperato, 16-20 μ . cr., inferiore hemisphaerico, hyalino, levi, 10 μ . circ. lat., cum pediculo filamentis adfixo.

Hab. ad Acetabulam leucomelam, quam enecat, in silva Isle-Adam Galliae.

2. **Mycogone alba** Letell. Champ. t. 667, f. 2 et Grev. XVII, p. 80. 7235
— A *Myc. rosea*, cui conidiis omnino accedit, colore albo differt.

Hab. in pileo Agarici campestris, Wynyard, Stockton-on-Tees Britanniae (H. E. GRIBBLE). — Descriptio et icon Letell. omnino imperfectæ.

DIDYMARIA Corda — Sacc. Syll. IV, p. 184.

1. **Didymaria Clematidis** Cooke et Harkness in Grevillea XIII, p. 17. 7236
— Hypophylla; maculis griseo-fuscis, subellipticis; conidiis elliptico-elongatis, hyalinis, demum uniseptatis, breviter pedicellatis, 25 \approx 8.

Hab. in foliis Clematidis in California (HARKNESS).

2. **Didymaria Linariæ** Pass. in Erb. Critt. It. Ser. II, n. 1494. — 7237
Cæspitulis punctiformibus, albis, amphigenis, hyphis simplicibus, subulatis, continuis; conidiis acrogenis, utrinque rotundatis, oblongis, prope medium septatis, 20 \approx 7,5.

Hab. ad folia viva mox arescentia Linariæ vulgaris pr. Parma Ital. bor.

3. **Didymaria Salicis** Cav. Mat. Lomb. p. 13, t. II, f. 1. — Maculis 7238
hypophyllis, late effusis, floccosis, albis; hyphis sterilibus repenti-

bus, parce ramosis, septatis, tenuibus, fertilibus erectis v. ascendentibus, filiformibus, continuis, 100-160 \approx 2-3; conidiis ovoideis, inæqualibus, 1-septatis, hyalinis, reflexis, 14-16 \approx 8-9.

Hab. in foliis Salicis capreæ, Colico in prov. Como Ital. borealis.

4. **Didymaria prunicola** Cav. Contr. Fungh. pom. p. 8, fig. 1. — Ma- 7239
culis subcircularibus, 4-6 mm. diam., atro-brunneis, demum confluentibus, mycelio filiformi endogeno tenuissimo; hyphis sterilibus, repentibus, parce septatis, fertilibus filiformibus, erectis simplicibus 120-220 \approx 2,5-3 plerumque 1-septatis; conidiis piriformibus apice rotundatis, 1-septatis, leviter constrictis, hyalinis, 12-17 \approx 5-9, solitarie acrogenis, denique nutantibus.

Hab. in foliis Prunorum in horto agrario, Pavia. Sec. cl. Cavara fungillus est parasiticus et noxius; mihi vero videtur a *Trichothecio roseo* saprophytico ægre separandus.

5. **Didymaria muscigena** Speg. F. Puigg. n. 456. — Candida gossypina; 7240
hyphis hyalinis longiusculis, crassiusculis, parce ramulosis, laxe septulatis, 100-250 \approx 10, dense intertextis, apice obtusis monosporis; conidiis cylindræis vel subclavulatis, 40-60 \approx 7-10, medio 1-septatis, non constrictis, nubiloso-farctis, hyalinis.

Hab. ad urnas languidas *Rhynchostegii* sp. in nemorosis pr. Apiahy Brasilæ.

HORMIACTIS Preuss — Sacc. Syll. IV, p. 186.

1. **Hormiactis Nectriæ** Karst. in Hedw. 1892, p. 303. — Cæspitulis 7241
flocculosis, albis; hyphis repentibus, vage ramosis, remote articulatibus, hyalinis, 8-10 μ . cr.; conidiis in catenulas terminales, simplices dispositis, superioribus ellipsoideis, sphæroideo-fusoideis v. oblongatis, inferioribus oblongatis v. elongato-fusoideis, primitus utroque apice apiculatis, continuis, demum 1-septatis, rectis, hyalinis, 22-36 \approx 9-15.

Hab. ad *Nectriam coccineam*, Mustiala Fennicæ.

Sect. 3. **Phragmosporæ** SACC.

DACTYLIUM Nees — Sacc. Syll. IV, p. 188.

1. **Dactylium Ulicis** (Cr.) Sacc., *Chætopsis Ulicis* Cr. Fl. Finist. p. 12. 7242
— Hyphis e basi incrassata sursum attenuatis, septatis, medio verticillum basidiorum brevium, furcatorum, ascendentium ferentibus; conidiis cylindræis, truncatis, 8-septatis, hyalinis.

Hab. in foliis adhuc virentibus rami dejecti Ulicis in paludosis, Finistère Galliæ.

2. **Dactylium dendroides** (Bull.) Fr. — Syll. IV, p. 189. — * **D. li-chenicolum** Karst. Symb. XX, p. 107. — Effusum, albo-byssinum seu laneum; conidiis oblongatis, utrinque obtusissimis, rectis vel subrectis, 3-septatis, non constrictis, hyalinis, 24-36 \approx 7-8.

Hab. in thallo putrescente Parmeliarum prope Mustiala Fenniæ.

BLASTOTRICHUM Corda — Sacc. Syll. IV, p. 191.

1. **Blastotrichum floccosum** (Harz.) Berl. et Vogl. Add. Syll. n. 3604, *Acrothecium floccosum* Harz Hyph. p. 37, t. IV, f. 9. — Candidum, demum luteolum, tenue, ramosum, subrepens; hyphis filiformibus, subcontinuis, sporophora brevissima, simplicia vel ramulosa erecta hinc inde emittentibus; conidiis clavatis, 3-5-septatis, non constrictis, 35 μ . longis.

Hab. in epidermide hominis eczemate laborantis in Germania.

2. **Blastotrichum obtusum** (Bon.) Sacc., *Helm. obtusum* Bon. Handb. p. 99, f. 169. — Cæspitulis albis, subfarinaceis; hyphis simplicibus, septatis, crassis, apice obtusis; conidiis oblongo-cylindræis, utrinque rotundatis, 3-septatis, albis, plerumque pleurogenis, raro binis catenatis.

Hab. in (truncis?) in Guestphalia.

MONACROSPORIUM Oud. — Sacc. Syll. IV, p. 193.

1. **Monacrosporium sarcopodioides** (Harz) Berl. et Vogl. Add. Syll. n. 3606, *Acrothecium sarcopodioides* Harz Hyph. pag. 36, t. II, fig. 4. — Candidum, tenuissimum; hyphis filiformibus, repentibus; sporophoris ascendentibus, continuis, in conidium clavatum 3-5-septatum, hyalinum, 35-38 μ . longum, longitudine sporophori abeuntibus.

Hab. in lignis quercinis et pineis putridis, Wien Austriæ.

DACTYLARIA Sacc. — Sacc. Syll. IV, p. 195.

1. **Dactylaria mucronulata** Ell. et Langl. Journ. Myc. 1890, p. 35. — Hyphis sterilibus prostratis, obsoletis vel nullis, fertilibus erectis, 35-40 \approx 3,5, continuis v. evanide 1-2-septatis, subtus brunneis, plus minus angulose incurvis, supra subhyalinis; sterigmatibus terminalibus et lateralibus; conidiis oblongis, 2-guttatis, hyalinis, 8-10 \approx 2,5-3.

Hab. in ligno decorticato et putri *Caryæ*, St. Martinsville, Louisiana Amer. bor. (LANGLOIS).

2. **Dactylaria Orchidis** Cooke et Mass. in Grev. XIX, pag. 42. — 7248
Sparsa; hyphis simplicibus erectis, e mycelio tenui, ramoso assurgentibus; hyphis septatis, 250-280 \approx 10-12, aurantiacis, apice breviter bis 2-3-furcatis; conidiis fusoides, 4-guttatis, dein 3-septatis, hyalinis, 40-50 \approx 7-9, in ramulorum apice solitariis capitulumque laxum efformantibus.

Hab. in foliis putribus *Oncidii macranthi*, Kew Britannicæ.

RAMULARIA Ung. — Sacc. Syll. IV, p. 196.

I. In Dicotyledoneis lignosis.

1. **Ramularia Banksiana** (Pass.) Sacc., *Fusidium Banksianum* Pass. 7249
in Erb. Critt. It. Ser. II, n. 1078. — Cæspitulis minutis, erumpentibus, punctiformibus, candidis, aggregatis dein confluentibus; conidiis lanceolatis, integris, hyalinis, endoplasmate opaco, 7,5-12 \approx 2,5-3.

Hab. in foliis emortuis adhuc pendulis *Rosæ Banksiæ*, Parma Ital. bor.

2. **Ramularia destruens** Peck 44 Rep. p. 26, t. IV, fig. 4-6. — Cæspitulis amphigenis, minutis, gregariis, albis; hyphis brevissimis, 5-10 μ . long.; conidiis ellipsoideis vel oblongis, hyalinis, 5-12,5 \approx 3-4.

Hab. in foliis vivis *Piri americanæ*, Hewitt's pond in montibus Adirondack Amer. bor. — «An *Ovularia Malorum?*»

3. **Ramularia lethalis** Ell. et Ev. Proc. Acad. Phil. 1891, p. 86. — 7251
Maculis irregularibus, confluentibus, 3-6 μ . diam., atro-brunneis, folium totum occupantibus et enecantibus; hyphis hypophyllis tenuibus, 12-15 \approx 2; conidiis ex ellipsoideo oblongis, 5-12 \approx 2,5-3,5, longioribus 1-septatis, brevioribus continuis.

Hab. in foliis *Aceris rubri*, London Canada, Amer. bor. (DEARNESS).

4. **Ramularia Liriodendri** Ell. et Ev. Journ. Myc. 1888, p. 2. — Maculis amphigenis, ochraceis, circ. 0,5 cm. diam., atro-marginatis; hyphis hypophyllis, 15-40 \approx 3, continuis vel 1-2 septatis, hyalinis, apicibus sæpe obliquis; conidiis variabilibus, acute ellipsoideis, 5-6 \approx 3 v. elongatis, 12-20 \approx 3, continuis v. 1-septatis, utrinque sæpius acutis.

Hab. in foliis *Liriodendri Tulipiferæ*, Faulkland, Delaw. Amer. bor. (O. COMMONS), socio *Glæosporio Liriodendri*.

5. **Ramularia stolonifera** E. et E. Proc. Acad. Phil. 1891, p. 85. — 7253

Hypophylla; maculis parvis, pallide rubentibus, subindefinitis, supra distinctioribus; hyphis subfasciculatis, hyalinis, simplicibus v. parce ramosis, 20-40 \approx 3-4, continuis, supra obtusis et denticulatis; conidiis cylindræis, obtuse acuminatis, 2-3 in series concatenatis, 10-30 \approx 2-3.

Hab. in foliis Corni sanguineæ, London Canada Amer. bor. (J. DEARNESS).

6. **Ramularia repens** Ell. et Ev. Proc. Phil. 1891, p. 85. — Hypo 7254

phylla; cæspitulis cinereo-albis, 2-4 mm. diam., indefinitis vel a venulis limitatis; hyphis subfasciculatis, 12-20 \approx 3, supra subdenticulatis, ex hyphis sterilibus, ramosis, repentibus adsurgentibus; conidiis cylindræis, guttulatis, granulosis, 15-22 \approx 3-4, nonnullis septatis et constrictis, 2-3 in series subconcatenatis, superioribus, interdum conidia 2-3 apice digitatim gerentibus.

Hab. in foliis Araliæ racemosæ, London Canada Amer. bor. (J. DEARNESS).

7. **Ramularia Viburni** Ell. et Ever. Journ. Mycol. 1889, pag. 69. — 7255

Maculis amphigenis, primo virescenti-brunneis, dein rubiginoso-brunneis, 4-5 μ . diam., suborbicularibus, saturatius marginatis; cæspitulis erectis, simplicibus; hyphis amphigenis, 12-20 \approx 2,5-3, hyalinis; conidiis fusoidæo-cylindræis, subcurvulis, 1-3-septatis, 20-40 \approx 1,5-2, flavido-hyalinis.

Hab. in foliis vivis Viburni Lentaginis, Racine, Wis. Amer. bor. (Doct. J. J. DAVIS).

8. **Ramularia Göldiana** Sacc., *Ramularia* Göldi Relatorio sobre 7256

a molestia do Caffeiro na prov. Rio de Janeiro 1887, p. 37-38, t. IV, f. 26-31. — Maculis subcircularibus, arescendo discolorizonatis, zonis albis rufisque, cæspitulis hypophyllis albis, sæpe e stomatibus erumpentibus; hyphis filiformibus; conidiis cylindræis, utrinque truncatis, catenulatis, hyalinis.

Hab. in foliis ramulisque vivis, quæ necat, Coffeæ arabicæ in prov. Rio-Janeiro Brasilæ. — Ex icone hyphæ conidiophoræ a conidiis non distinguuntur.

9. **Ramularia angustata** Peck 32 Rep. p. 42. — Maculis parvis, or- 7257

bicularibus, interdum confluentibus, pallide viridulo-flavis; cæspitulis minutis; conidiis anguste fusoidæis vel subcylindræis, 2-3-guttatis, 7,5-10 \approx 2,5.

Hab. in foliis vivis Azalææ nudifloræ, Central Bridge et Carlisle Amer. bor.

10. **Ramularia effusa** Peck 32 Rep. p. 42. — Hypophylla, effusa, al- 7258
bida; conidiis valde variabilibus, globosis, obovatis, ellipsoideis v.
cylindraceutis, 4-27,5 \approx 5, raro 1-septatis.

Hab. in foliis vivis Gaylussaciæ resinosa, Center Ame-
ricæ borealis.

11. **Ramularia albo-maculata** Peck 32 Rep. p. 42. — Maculis subor- 7259
bicularibus, 4-6 mm. lat., subinde confluentibus, supra pallide fla-
vo-viridulis, subtus dealbatis, demum purpureis v. brunneis; conidiis
oblongis v. ellipsoideis, sæpius 2-guttatis, 7,5-10 \approx 4.

Hab. in foliis vivis Caryæ albæ, Albany et Greenbush Amer.
bor. — *Peronospora rufibasis* B. et Br. — Syll. VII, 1, p. 261
— observante cl. Trail, eadem est ac *Ramularia destructiva* Ph.
et Plowr.

II. In Dicotyledoneis herbaceis.

12. **Ramularia Barbareæ** Peck 40 Rep. p. 63. — Maculis suborbi- 7260
cularibus, aridis, albis, sæpius linea brunnea, subincrassata cinctis;
cæspitulis amphigenis, nunc brevibus et ramosis, nunc longioribus
et simplicibus; conidiis oblongis v. cylindraceutis, sæpe catenulatis,
raro uniseptatis, 10-22,5 \approx 3-4.

Hab. in foliis viventibus Barbareæ vulgaris, Highland
Mills et Port Henry Amer. bor.

13. **Ramularia Levistici** Oud. Contr. Fl. Myc. Pays-Bas. XI, p. 40, 7261
Ovularia Berl. et Vogl. Add. Syll. n. 3597. — Maculis sparsis,
brunneis; cæspitulis amphigenis vel tantum epiphyllis; hyphis cy-
lindraceutis ramosis, sursum multi-articulatis, e cellulis linearibus,
20-25 \approx 2-5, utrinque rotundatis, imperfecte conjunctis compositis;
conidiis ovoideis, uniseptatis.

Hab. in foliis Levistici officinalis, Putten Hollandiæ.

14. **Ramularia Schulzeri** Bäuml. F. Schemn. p. 10. — Maculis vagis, 7262
indeterminatis, ochraceis, demum roseis; cæspitulis gregariis, 30-
80 μ . diam.; hyphis dense fasciculatis, e stromate pulviniformi,
minuto ortis, non v. parce ramulosis, hyalinis, 20-40 \approx 2-4; conidiis
solitariis v. breve catenulatis, cylindraceutis, utrinque attenuatis,
non v. 1-septatis, 10-20 \approx 3-4, hyalinis.

Hab. in foliis vivis Lofti corniculati pr. Prencow Hungariæ.

15. **Ramularia Violæ** Trail Trans. Crypt. Scot. 1889, p. 47. — Ma- 7263
culis amphigenis, aridis, subcircularibus v. confluentibus, totum fo-
lium interdum fere occupantibus; hyphis erectis, subclavatis, 1-
septatis, sæpius hypophyllis, circ. 20-25 \approx 3-4; conidiis 2-3 in ca-

tenas dispositis, fusoideis vel subcylindræis, utrinque rotundatis, rectis, 10-16 \approx 2-3, hyalinis, dein 1-septatis.

Hab. in foliis vivis *Violæ silvaticæ*, Dalmally prope Loch Awe et Inveraray Scotiæ. — Affinis *R. lacteæ*.

16. **Ramularia Areola** Atkinson in Bot. Gaz. 1890, p. 168 c. icone. 7264

— Maculis hypophyllis, raro amphigenis, primo pallidis, dein obscurioribus, 1-10 mm. (sæpius 3-4) lat., angulosis, irregularibus, venulis folii limitatis; hyphis hypophyllis, raro amphigenis, minute fasciculatis, subnodosis, demum sæpe basi ramosis v. rarius supra denticulatis, pluries septatis, hyalinis, 25-75 \approx 4,5-7; conidiis oblongis, utrinque sæpe abrupte acuminatis, interdum rotundatis, 1-3-septatis, primitus concatenatis, 14-30 \approx 4-5.

Hab. in foliis *Gossypii herbacei*, Auburn Alabama Amer. bor. (F. ATKINSON).

17. **Ramularia Sidalceæ** Ell. et Ev. Journ. Myc. 1883, p. 1. — Ma- 7265

culis amphigenis, 2-4 mm. diam., atro-purpureis, centro sordide albidis v. griseolis, margine subindefinitis; hyphis fertilibus hypophyllis, e stomatibus in cæspitulos densos assurgentibus, hyalinis, simplicibus, 15-20 \approx 3, sursum subdenticulatis et subangulose incurvis v. integris; conidiis subcatenulatis, hyalinis, oblongis v. oblongo-cylindræis, continuis v. 1-septatis, 12-22 \approx 2,5-3.

Hab. in foliis *Sidalceæ*, Columbia britannica Amer. bor. (Prof. J. MACOUN).

18. **Ramularia silenicola** C. Mass. Contr. Mic. Ver. p. 110, t. 4, f. 26. 7266

— Cæspitulis amphigenis, numerosissimis, effusis, subpunctiformibus (ut folia infecta, sub vitro parum augente, fere granulis farinaceis conspersa appareant), subcinereis, haud maculigenis; hyphis fertilibus, 16-36 μ . long., dense fasciculatis, ex stomatum ostiolis egredientibus, rectis, simplicibus, apicem versus minute subdenticulatis; conidiis 10-16 \approx 4-5, continuis, catenulatis, elliptico-oblongis, utrinque magis minusve manifeste apiculatis.

Hab. in foliis *Silenes inflatæ*, Tregnago in agro veronensi Ital. bor. — *R. lychnicolæ* valde affinis, sed non maculigena conidiisque apiculatis.

19. **Ramularia didymarioides** Br. et Sacc. sp. nov. — Maculis inde- 7267

terminatis, subochraceis, cæspitulis amphigenis, dense et late gregariis, punctiformibus, albis; hyphis fasciculatis, filiformibus, simplicibus, 90-100 \approx 4-5, sursum denticulatis, continuis; conidiis tereti-oblongis, apice rotundatis, basi obtuse subtenuatis, 1-septatis, dein 2-septatis, 28-36 \approx 8-9, hyalinis.

Hab. in foliis *Silenes inflatæ*, Allibaudières, Aube Galliæ (HARLOT). — Ob conidia crassiuscula et passim 1-septata ad *Didymariam* nutat.

20. **Ramularia Heraclei** (Oud.) Sacc. Syll. IV, p. 205. — Var. **Apii-graveolentis** Sacc. et Berl. F. Ven. p. 19. — Maculis sparsis variis, aridis, brunneis; hyphis longiusculis, cylindræis, continuis, apice denticuligeris, 70-80 \approx 3; conidiis cylindræis, continuis, 22 \approx 4-5, demum 1-septatis et tunc 38 \approx 3,5-4, hyalinis.

Hab. in foliis vivis *Apii graveolentis*, Padova (BIZZOZERO).

21. **Ramularia Chamænerii** Rostrup Island Svamp. in Bot. Tidssk. 7269 1885. — Conidiis obovato-oblongis, 1-septatis, 25 \approx 7-9, strata densiuscula alba formantibus.

Hab. in foliis tenellis *Epilobii (Chamænerii) latifolii* in Islandia.

22. **Ramularia Cardui** Karst. Symb. XX, p. 109. — Maculis epiphyllis, subcircularibus, pallidis, majusculis; cæspitulis densissime gregariis, macularum superficiem ut pruina albida obtegentibus; conidiis bacillaribus, continuis, rectis, 13-21 \approx 2-3.

Hab. in foliis languescentibus *Cardui crispi* in regione vassensi, Kapelbacken Fenniæ. — *R. Taraxaci* affinis.

23. **Ramularia arnicalis** Ell. et Ev. Proc. Acad. Phil. 1891, p. 85. — 7271 Maculis amphigenis, 3-4 mm. diam., suborbicularibus v. a venulis partim limitatis, supra atro-brunneis, margine subdilutius flavido, subindefinito cinctis, subtus sordide albis; hyphis hypophyllis, subfasciculatis, 12-20 \approx 2,5-3, apice leniter denticulatis; conidiis subcylindræis, 15-20 \approx 3, guttatis, utrinque acutis, apice superiore sæpius subcurvis.

Hab. in *Arnica cordifolia*, Rimini, Montana Amer. bor. (REV. F. D. KELSEY).

24. **Ramularia concomitans** Ell. et Holw. Journ. Myc. 1888, p. 2. — 7272 Maculis amphigenis, pallide flavidis, definitis, suborbicularibus, 2-4 mm. lat., sæpius margine atro, angusto, subelevato cinctis; hyphis fasciculatis, brevibus, amphigenis, sæpius tamen hypophyllis; conidiis 3-5 in series concatenatis, cylindræis, utrinque acutis, 1-septatis, raro 2-septatis, 15-22 \approx 3-4.

Hab. in foliis *Bidentis*, Decorah, Iowa Amer. bor., sociâ *Cercospora umbrata*.

25. **Ramularia variegata** Ell. et Holw. in Arth. Rep. Bot. Minnes. 7273 1886, pag. 34. — Maculis amphigenis, latis, indefinitis, 0,5-1 cm. diam., supra brunneo- v. albo-reticulatis, subtus minus distinctis;

hyphis amphigenis sed sæpius hypophyllis, fasciculatis, hyalinis, simplicibus, supra dentatis, 15-25 \approx 4; conidiis oblongo-cylindraceis, hyalinis, 1-septatis, ad septum sæpe constrictis, 20-35 \approx 3,5-4,5.

Hab. in foliis vivis Petasitis palmatæ, Lacus Vermilion Amer. bor.

26. **Ramularia serotina** Ell. et Ever. Journ. Mycol. 1889, p. 69. — 7274
Maculis amphigenis, 1-5 mm. lat., pallide flavo-brunneis, margine definito, saturatiore cinctis, interdum per 1 cm. vel ultra subirregulariter confluentibus; hyphis amphigenis, fasciculatis, subnodosis, supra dentatis, continuis vel vix 1-2-septatis, hyalinis, 25-30 \approx 3; conidiis oblongo-cylindraceis, hyalinis, 1-septatis, 15-28 \approx 3, subconcatenatis.

Hab. in foliis Solidaginis serotinæ, Lake County Amer. bor. (Doct. J. J. DAVIS).

27. **Ramularia Sonchi-oleracei** Fautr. Rev. Myc. 1891, p. 133. — Ma- 7275
culis arescentibus, nigris, flavido-cinctis, irregularibus, nervis sæpe limitatis; hyphis tenuibus, hypophyllis; conidiis numerosis, hyalinis, guttatis v. 1-septatis, cylindraceis, 10-12 \approx 2,5.

Hab. in foliis Sonchi oleracei, Côte-d'Or Galliæ (F. FAUTREY).

28. **Ramularia Picridis** Faut. et Roum. Rev. Myc. 1892, pag. 10. — 7276
Maculis brunneolis, purpureo-cinctis; cæspitulis numerosis; hyphis sæpius hypophyllis, apice denticulatis, 40-50 μ . long.; conidiis cylindraceis, rectis, 1-septatis, 16-32 \approx 4.

Hab. in foliis Picridis hieracioidis, Côte-d'Or Galliæ (F. FAUTREY).

29. **Ramularia Taraxaci** Karst. — Syll. IV, p. 207. — Var. **italica** 7277
C. Mass. Contr. Myc. Ver. p. 111. — Cæspitulis vulgo hypophyllis, maculiculis; maculis suborbiculatis, exaridis, subfuscis, interdum subvirescenti-marginatis; conidiis bacillaribus, usque ad 33 \approx 3-5, continuis v. 1-septatis.

Hab. in foliis languidis Taraxaci officinalis, Campofontana, in agro veronensi Italiæ bor.

30. **Ramularia lineola** Peck 32 Rep. p. 43. — Maculis suborbiculari- 7278
bus, interdum confluentibus, brunneis, lineis tenuibus, concentricè ornatis; cæspitulis obscuris, hypophyllis; conidiis tenuibus, cylindraceis, obtusis, sæpe 1-septatis, 12,5-20 μ . long.

Hab. in foliis vivis Taraxaci officinalis, Greenbush Americæ borealis.

31. **Ramularia Crepidis** E. et E. Journ. Myc. 1886, p. 46. — *Amphi-* 7279
gena; maculis orbicularibus, subconcentrice rugosis, pallidis, 2,5-
7,5 mm. diam., brunneo-marginatis; hyphis cæspitosis, maculæ cen-
tro insertis, erectis, rigidis, subrectis, supra parum attenuatis et
parce dentatis, 25-35 = 4-5, continuis; conidiis acute ellipsoideis,
12 = 5-6 v. fusoides, cylindræis v. oblongis, 20-25 = 5-8, hyalinis,
tandem 1-septatis.

Hab. in foliis *Crepidis glaucæ*, Raton, New Mexico Amer.
bor. (S. M. TRACY).

32. **Ramularia filaris** Fres. — Syll. IV, pag. 210. — Var. **Hieracii** 7280
Bäumli. F. Schemn. III, p. 15. — Hyphis irregulariter erectis, 15-
25 = 4-5; conidiis sæpius utrinque truncatis, 18-26 = 2-4, unise-
ptatis.

Hab. in foliis vivis *Hieracii Pilosellæ*, Schemnitz Hun-
gariæ.

33. **Ramularia Succisæ** Sacc. Syll. IV, pag. 207. — Var. **Knautiæ** C. 7281
Mass. Contr. Mic. Ver. p. 111. — Maculis parvis, orbicularibus,
amphigenis, atro-violaceis; cæspitulis minutis, candidis; hyphis fer-
tilibus, fasciculatis, simplicibus, superne denticuligeris, 20-35 = 3;
conidiis catenulatis, cylindræo-fusoides, 10-20 = 2,5-4, continuis
v. sæpius 1-septatis.

Hab. in foliis *Knautiæ silvaticæ*, Vico pr. Tregnago in
agro veronensi Italiæ bor.

34. **Ramularia Bryoniæ** Fautr. et Roum. Rev. Myc. 1891, p. 81. — 7282
Maculis magnis, irregularibus, aridis; conidiis concatenatis, hyali-
nis, oblongis, obtusis, subcurvis, continuis v. 1-septatis, 14-18 = 4-5.

Hab. in foliis subviviis *Bryoniæ dioicæ*, Noidan, Côte-d'Or
Galliæ (F. FAUTREY).

35. **Ramularia Centranthi** Brun. Champ. Saint. 1887, p. 430. — Ma- 7283
culis suborbicularibus, oblongis v. irregularibus, brunneis, epiphyll-
lis; hyphis hyalinis, cæspitosis, simplicibus vel breviter ramulosis,
continuis, 20-30 = 3,5; conidiis cylindræis, utrinque obtusis vel
rotundatis, 15-25 = 3,5-4, hyalinis, continuis guttulatis vel 1-se-
ptatis.

Hab. in foliis *Centranthi rubri*, Fouras pr. Saintes Galliæ.

36. **Ramularia Leonuri** Sorok. Mycol. (Karan 1872) pag. 30, t. VI, 7284
f. 18-21. — Hyphis sterilibus endogenis ramosis continuis, fertili-
bus per stomata exeuntibus, fasciculatis, cylindræis, parce denti-
culatis; conidiis fusoides, utrinque acutiusculis, demum 1-septatis,
hyalinis, 29 = 3-4.

Hab. in foliis Leonuri Cardiacæ in Rossia.

37. **Ramularia Stachydis** (Pass.) C. Mass. Contr. Mic. Ver. p. 113, 7285
t. 4, f. 27, *Fusidium* Pass. in Flora 1881, p. 298. — Cæspitulis amphigenis subpunctiformibus, flocculoso-pulveraceis, albidis, in maculis oblongis irregularibusve, subarescentibus effusis; hyphis fertilibus fasciculatis, brevibus, continuis, simplicibus, superne subatenuatis sæpeque 1-2-denticulatis, 10-20 \approx 2,5-3; conidiis catenulatis, hyalinis, initio ovalibus, dein eximie elongato-cylindraceutis bacillaribusve (hyphis longioribus) utrinque subacutis, continuis, ut plurimum tamen 1-3-septatis, 10-38 \approx 3-4.

Hab. in foliis bracteisque vivis Stachydis annuæ in agro parmensi et veronensi Ital. bor.

38. **Ramularia Marrubii** C. Mass. Mic. Ver. p. 114. — Maculis parvis, exaridis, rufescentibus, internerviis; cæspitulis pulverulentis, candidis, hypophyllis v. subamphigenis; hyphis fertilibus densissime fasciculatis, 60-80 \approx 3-4, superne denticuligeris, interdum breviter ramulosis, continuis; conidiis in catenulas ramosas dispositis, valde polymorphis, breviter ovalibus, elongato-ellipticis, cylindraceo-fusiformibus, hyalinis, utrinque plus minus apiculatis, continuis vel 1-septatis, 3-5 μ . cr.

Hab. in foliis Marrubii vulgaris in agro veronensi Italiæ borealis.

39. **Ramularia Harioti** Sacc., *Ramularia Brunellæ* Br. et Har. Rev. 7287
Myc. 1891, p. 17, an Ell. et Ever.? — Maculis albo-griseis, amphigenis, plus minus orbicularibus, linea pallide ochracea cinctis; hyphis fasciculatis, hypophyllis, cylindraceutis, hyalinis, continuis, 16-32 \approx 2,5-3; conidiis cylindraceutis v. ovato-oblongis, utrinque acuminatis v. obtusiusculis, rectis v. simplicibus, hyalinis, 16-22 \approx 4-6.

Hab. in foliis Brunellæ vulgaris, Pont-sur-Seine, Aube Galliæ (P. HARIOT). — «Probabiliter forma macrospora sequentis».

40. **Ramularia Brunellæ** Ell. et Ever. Journ. Mycol. 1889, p. 69. — 7288
Maculis magnis, atro-brunneis, supra plus minus distincte concentricè zonatis, subindefinite limitatis, plus minus confluentibus; cæspitulis minutis, sparsis; hyphis hypophyllis brevibus, 10-15 \approx 2,5, hyalinis, supra sæpius dentatis; conidiis oblongo-cylindraceutis, continuis, 10-15 \approx 1,5-3.

Hab. in foliis vivis Brunellæ vulgaris, Racine, Wis. Amer. bor. (Doct. J. J. DAVIS).

41. **Ramularia lamiicola** C. Mass. Bot. Centr. 1890, n. 26, p. 386, — 7289
Maculis angulosis, internerviis, demum confluentibus; cæspitulis hy-

pophyllis, candidis, subpulverulentis; hyphis fertilibus fasciculatis 25-50 \approx 3-3,5 continuis, simplicibus sursum denticuligeris; conidiis catenulatis, continuis, polymorphis, breviter ovalibus, ellipsoideis, subcylindraneo-fusiformibus, utrinque rotundatis, 18-20 \approx 3,5-5.

Hab. in foliis vivis Lamii albi, Calavena prope Tregnago prov. Verona. — Ab *Ovularia Lamii* conidiis polymorphis recedit.

42. **Ramularia Ballotæ** C. Mass. Bot. Centr. alb. 1890, n. 26, p. 386. 7290

— Maculis parvis, subrotundis in pagina superiore foliorum fuscescentibus; cæspitulis niveis, amphigenis, plerumque tamen hypophyllis; hyphis fertilibus breviusculis, circiter 16-20 \approx 2-2,5, continuis superne parum denticuligeris; conidiis in catenulas ramosas digestis, valde polymorphis, ovalibus elliptico-oblongis, cylindraceis, utrinque subacutiusculis, continuis vel 1- rarissime 2-septatis, vulgo 8-16 \approx 2-2,7.

Hab. in foliis vivis Ballotæ nigræ prope viculum S. Mauro di Saline prov. Verona.

43. **Ramularia Beccabungæ** Fautr. Rev. Myc. 1892, p. 10. — Maculis 7291

circularibus, rubentibus, concentrice rugosis, folium mox perforantibus; hyphis divaricatis, apice denticulatis; conidiis cylindraceis, rectis, raro septatis, 15-26 \approx 3-4.

Hab. in foliis Veronicæ Beccabungæ, Côte-d'Or Galliæ (F. FAUTREY).

44. **Ramularia Veronicæ** Fautrey in Rev. myc. 1890, p. 125. — Ma- 7292

culis minutissimis, solitariis vel confluentibus, sordide flavis, sæpius hypophyllis; conidiis simplicibus, cylindraceis, 14-24 \approx 3,5, granulosis vel guttatis.

Hab. in foliis Veronicæ hederifoliæ, Charny, Côte-d'Or Galliæ (F. FAUTREY).

45. **Ramularia Scrophulariæ** Fautr. et Roum. Rev. Myc. 1891, p. 81. 7293

— Maculis purpureis, dein pallidis; hyphis epiphyllis, erectis, acuminatis, 15-30 \approx 3; conidiis longe concatenatis, simplicibus, cylindraceis, abrupte attenuatis, magnitudine varia, 6-20 \approx 3-4.

Hab. in foliis subvivi Scrophulariæ aquaticæ, Noidan, Côte-d'Or Galliæ (F. FAUTREY).

46. **Ramularia Petuniæ** Cooke in Grev. XX, p. 8. — Epiphylla; ma- 7294

culis latis, orbicularibus vel irregularibus, ochraceis; hyphis brevibus; conidiis cylindraceis, utrinque rotundatis, continuis, dein 1-septatis, hyalinis, 20-22 \approx 4.

Hab. in foliis Petuniæ, Plymouth Britanniæ.

47. **Ramularia Plantaginis** Peck 32 Rep. p. 43. — Maculis suborbi- 7295

cularibus, interdum confluentibus, brunneis; cæspitulis amphigenis; conidiis oblongis vel cylindræis, obtusis, 20-40 \approx 5-6,5, interdum 1-septatis.

Hab. in foliis vivis Plantaginis lanceolatæ, Carlisle Americæ borealis.

48. **Ramularia Oxyriæ** Trail Fung. Hard. p. 493. — Maculis amphigenis, circularibus vel ovatis, 2-3 mm. diam., pallidis vel subalbidis, margine lato, atro-viridi, dein rubro-brunneo cinctis; hyphis gracilibus; conidiis hyalinis, cylindræis, plus minus incurvis, utrinque obtusis, 3-4-septatis, 70-90 \approx 2-2,5. 7296

Hab. in foliis Oxyriæ digynæ, Simodal Norvegiæ.

49. **Ramularia occidentalis** E. et K. Journ. Myc. 1887, pag. 103. — 7297
Amphigena; cæspitulis minutis, albis, punctiformibus; hyphis cæspitosis, bacillaribus vel superne subundulatis, simplicibus, 20-35 \approx 2,5-3, hyalinis, continuis; conidiis catenatis, hyalinis, ex ovato-ellipsoideis, 5-6 \approx 2-3 vel anguste cylindræis, 25-35 \approx 1,5-2 granulosus vel guttulatis.

Hab. in foliis Rumicis Britannicæ, Manhattan, Kansas Amer. bor. (W. T. SWINGLE).

50. **Ramularia? Euphorbiæ** (Cast.) Sacc. *Botrytis* Cast. Cat. pl. Mars. 7298
II, p. 81. — Cæspitulis effusis, albis; hyphis parce ramosis, ramulis subdistantibus; conidiis cylindræis, truncatis obtusisve.

Hab. in foliis vivis Euphorbiæ Pepli pr. Marseille Galliæ.

III. In Monocotyledoneis.

51. **Ramularia subrufa** Ell. et Helw. Journ. Myc. 1888, p. 2. — Hy- 7299
pophylla, mox subseriata, confluens, subrufa v. grisea, margine pallidior; hyphis sterilibus intertextis, ramosis, prostratis, fertilibus fascicularibus, 25-35 \approx 3, continuis, supra plus minus denticulatis v. lobatis; conidiis copiosis, oblongo-cylindræis, concatenatis, 1-3 (sæpius 1-)septatis, 15-25 \approx 3,5-4, apice obtuse acuminatis, sæpius rectis, pallide hyalino-flavidis.

Hab. in foliis vivis Smilacis, Decorah, Jowa Amer. bor. (E. W. HOLWAY).

52. **Ramularia Dioscoreæ** Ell. et Ev. Proc. Acad. Phil. 1891, p. 85. 7300
— Cæspitulis hypophyllis, parvis, albidis, in folii superficie supra leniter flavo-tincta crebre sparsis; hyphis fertilibus erectis, 25-35 \approx 4, supra sæpius denticulatis; conidiis oblongo-cylindræis, obtusis, 1-septatis, 15-20 \approx 3,5-4,5.

Hab. in foliis *Dioscoreæ villosæ*, Racine, Wis. Amer. bor. (J. DAVIS).

53. **Ramularia Alismatis** Fautrey in Rev. Myc. 1890, p. 125. — Ma- 7301
culis orbicularibus, numerosis, sæpe confluentibus; cæspitulis con-
fertis, totam maculam tegentibus; hyphis brevissimis; conidiis cy-
lindræis, obtusiusculis, simplicibus, guttatis, 18-22 \approx 4.

Hab. in foliis *Alismatis Plantaginis*, Noidan, Côte-d'Or
Galliæ (F. FAUTREY).

54. **Ramularia Junci** Peck 44 Rep. pag. 26. — Maculis transversis, 7302
brunneis; hyphis brevissimis; conidiis cæspitosis, tenuissimis rectis
v. curvis, unum apicem versus sæpe subangustatis, 25-50 μ . long.

Hab. in foliis vivis *Junci marginati*, Selkirk Amer. bor.

55. **Ramularia canadensis** Ell. et Ev. Proc. Acad. Phil. 1891, p. 84. 7303
— Maculis nigris, subellipticis, 1-2 mm. long. v., si confluentibus,
0,5-1 cm., centro albicantibus; hyphis subulatis, hyalinis, conti-
nuis, 30-40 \approx 3-4, e centro macularum assurgentibus; conidiis acro-
genis, 2-3-concatenatis, oblongis, 1-septatis, guttatis, hyalinis,
15-22 \approx 5-6.

Hab. in foliis vivis *Caricis conoideæ*, London Canada
Amer. bor. (DEARNESS). — Affinis *Septocylindrio caricino* sed hy-
phæ valde evolutæ, basidia subulata et conidia 1-septata, crassiora.

56. **Ramularia graminicola** Peck 44 Rep. pag. 26, tab. IV, fig. 1-3. 7304
— Maculis parvis numerosis, irregularibus vel subellipticis, pal-
lidis, margine indeterminato, brunneolo, lato cinctis; hyphis am-
phigenis, brevibus, hyalinis, 12,5-25 μ . long.; conidiis subcylin-
dræis v. fusoides, interdum utrinque acuminatis, demum spurie
1-septatis, hyalinis, 25-35 μ . long.

Hab. in foliis vivis *Poæ serotinæ*, Wilmurt lake Americæ
borealis.

PIRICULARIA Sacc. Syll. IV, p. 217.

1. **Piricularia Oryzæ** Cav. Fung. Long. exs. n. 49. — Folicola; ma- 7305
culis oblongis, arescentibus, fusco-cinctis; hyphis teretibus vel te-
reti-subulatis, basi paullum incrassatis, ibique septatis, sursum se-
ptis nullis vel obsoletis, 60-120 \approx 4-5; conidiis obclavatis, apice at-
tenuatis, basi truncatis vel in brevem denticulum productis, 2-
septatis, fuscidulis, diaphanis, 20-22 \approx 10-12.

Hab. in foliis vivis *Oryzæ sativæ*, Trovamala in Agro ti-
cinesi Ital. bor.

CERCOSPORELLA Sacc. Syll. IV, p. 218.

1. **Cercosporella chionea** (E. et Kell.) Sacc. *Cercospora chionea* E. 7306
et Kell. Bull. Torr. Bot. Cl. XI, p. 122. — Amphigena sed sæpius epiphylla; maculis latis 0,5-1 cm. vel confluendo 8-4 cm. diam., obscure rufo-brunneis, zona brunneo-flavicante, non elevata cinctis; hyphis dense cæspitulosis, subhyalinis, 18-30 = 4-5, subinde vero 35-40 μ . longis et leniter undulatis vel sursum curvis; conidiis vermicularibus vel clavato-cylindraceutis, 54-90 = 4-5, 3-8-septatis.
Hab. in foliis *Cercidis canadensis*, Kansas Amer. bor. — Sistit pruina albam in maculis atris.
2. **Cercosporella pirina** Ell. et Ev. Proc. Acad. Phil. 1891, p. 91. — 7307
Hypophylla, effusa, maculis nullis definitis, initio inæqualiter cæspitulosa, dein folium fere totum occupans et decolorans, supra vero rubro-infuscans; hyphis fertilibus effusis, brevibus, 12-25 = 5, hyalinis; conidiis oblongo-fusoideis vel vermicularibus, hyalinis, 3-6-septatis, utrinque obtusis.
Hab. in foliis *Piri coronariæ*, Racine Wis. Amer. borealis (DAVIS).
3. **Cercosporella Evonymi** Erikss. in Bot. Centralbl. 1891, III, p. 299. 7308
— Maculis epiphyllis, subcircularibus v. angulosis, 4-10 mm. diam., expallentibus, purpureo-marginatis; cæspitulis pulvereis, fasciculatis, albis; hyphis assurgentibus, septatis, hyalinis; conidiis vermicularibus curvulis, usque semicirculari-arcuatis, utrinque obtusulis, 2-3-septatis, 40-44 = 3, hyalinis.
Hab. in foliis *Evonymi europæi* in Scandinavia.
4. **Cercosporella stomatophila** Speg. F. Guar. II, n. 184. — Acervulis hypophyllis e stomatibus epidermidis penicillatim protrudentibus, minutissimis, 50-60 μ . diam. candidis; hyphis e tuberculo atro, subgloboso, 40-50 μ . diam., stomate innato exsurgentibus, breviusculis, 20-25 = 4, rugulosis, noduloso-denticulatis, continuis hyalinis; conidiis cylindraceutis, e denticulis hypharum oriundis, utrinque rotundatis, 20-30 = 2-2,5, medio 1-septatis, non constrictis, hyalinis.
Hab. ad folia viva *Sapindaceæ* cujusdam in dumetis pr. Guarapi Brasiliæ.
5. **Cercosporella rosea** Wint. Exot. Pilze IV, p. 9. — Cæspitulis delicatissimis, hypophyllis, minutis, angulato-rotundatis, tomentosulis, roseis, 0,5-1 mm. lat.; hyphis repentibus, dense intertextis, hyalinis, parce septatis, ramulos erectos, subsimplices, apicem versus

denticulatos torulososque, hyalinos, septatos, 4-4,5 cr. emittentibus; conidiis angustissime subclavatis, sursum perparum attenuatis, remote pluriseptatis, hyalinis, 75-80 \approx 4,5-5.

Hab. in foliis vivis Phaseoli sp., Montevideo Amer. austr. (ARECHA VALETA).

6. **Cercosporella Saxifragæ** Rostr. Bidr. Ascom. Dovr. p. 13. — Macula fusca, amphigena; cæspitulis, biogenis, candidis; hyphis longis, breviter ramosis; conidiis filiformibus, continuis, 30-40 \approx 1-2. 7311

Hab. in foliis vivis Saxifragæ cernuæ, Dovre Norvegiæ.

7. **Cercosporella pantoleuca** Sacc. — Syll. IV, p. 219 — Var. **san- 7312**
tonensis Brun. Misc. Myc. II, p. 47. — Maculis angulosis, subrotundis v. irregularibus, olivaceis vel brunneis, margine saturatioribus; cæspitulis arachnoideis, albis; hyphis continuis, hyalinis, apice denticulatis; conidiis cylindræis, rectis, hyalinis, 30-85 \approx 2,5-3, obscure septatis vel guttatis.

Hab. in foliis Plantaginis majoris, Cravans Galliæ.

8. **Cercosporella Phyteumatis** (Frank) Sacc. *Cercospora* Frank Krankh. 7313
Pflanz. p. 601. — Maculis nigris, centro albidis, amphigenis; hyphis hypophyllis cæspitosis; conidiis linearibus, 2-3-septatis, hyalinis.

Hab. in foliis Phyteumatis spicati in Germania.

9. **Cercosporella Gossypii** Speg. Guar. I, p. 162. — Maculis nullis, 7314
mycelio hypophyllo, candido, plagulas effuso-pulverulentas, parvulas, 1-2 mm. diam., sæpe confluentes, irregulares efficientibus; hyphis in cæspitulos laxè aggregatis, simplicibus, erectis, rectiusculis, laxè parceque nodulosis, apice obtusiusculis, 35-40 \approx 3, hyalinis; conidiis cylindræo-ellipticis v. subclavulatis, medio 1-raro 2-septatis, non v. vix subcoarctatis, utrinque acutiusculis, 18-25 \approx 3-4, hyalinis.

Hab. ad folia Gossypii sp. pr. Paraguari Brasiliæ.

10. **Cercosporella Oxyriæ** Rostr. Till. Groenl. Svamp. p. 629. — Maculis amphigenis, albis, 2-3 mm. lat., orbicularibus, violaceo-marginatis; cæspitulis hypophyllis; conidiis filiformibus, leniter flexuosis, longissimis, 70-100 \approx 2, continuis. 7315

Hab. in foliis Oxyriæ digynæ, Tunugdliarfik Groenlandiæ (K. ROSENVINGE). — « Verisimiliter non diversa a *Ramul. Oxyriæ* Trail, sed revera potius *Cercosporella* ».

11. **Cercosporella Pseudoidium** Speg. Guar. I, p. 162. — Maculis epi- 7316
phyllis, pallescentibus, indeterminatis, suborbicularibus, parum manifestis, mycelio hypophyllo, tenuissimo, adnato, laxè arachnoideo,

effuso, plagulas albas, suborbiculares, sæpe totum folium ambientes, efficientibus; hyphis sterilibus repentibus, dense intricato-ramosis, parce septulatis, gracilibus, 5 μ . cr.; hyphis fertilibus, hinc inde adsurgentibus, erectis, rectis v. modice parceque noduloso-subgeniculatis, apice nodulosis, 30-80 \times 5, continuis v. 2-3-septatis, hyalinis; conidiis clavulatis v. vix inæquilateralibus, nubiosis vel granulosis hyalinis.

Hab. ad folia Manihot utilissimæ pr. Mbocaiatá et Caá-guazú Brasilæ.

12. **Cercospora Veratri** Peck 44 Rep. p. 27, t. IV, f. 7-8. — Maculis 7317
suborbicularibus v. subellipticis, nigrescentibus; hyphis brevissimis, fere obsoletis; conidiis 50-100 \approx 4-5.

Hab. in foliis Veratri viridis, Morehouseville Amer. bor.

13. **Cercospora hungarica** Bäuml. F. Schemn. p. 10. — Maculis 7318
griseis, subrotundatis, fusco-limitatis; hyphis fertilibus dense fasciculatis v. solitariis, continuis, apice rotundatis, 10-24 \approx 5-6, hyalinis; conidiis clavatis, curvatis, distincte 3-5-septatis, 40-80 \approx 2-6 (6 μ . cr. in clavula), hyalinis.

Hab. in foliis Lili Martagonis pr. Prencow Hungariæ.

14. **Cercospora lilicola** (Rich.) Sacc. *Cercospora* Rich. Cat. Champ. 7319
Marn. n. 2032. — Cæspitulis parcis; hyphis erectis fasciculatis, 2-3-septatis, hyalinis; conidiis elongato-fusoideis, hyphas æquantibus, hyalinis, 6-7-septatis.

Hab. in caule Lili candidi, St. Amand Marne Galliæ.

15. **Cercospora? guaranítica** Speg. F. Guar. II, n. 183. — Cæspitulis 7320
candidis, hinc inde densiuscule aggregatis, minutis; hyphis cylindræis, rectis v. flexuosulis, teretibus, 60-80 \approx 5, 2-5-septatis, non constrictulis, sursum parce nodulosis, hyalinis; conidiis fusoides vel cylindræo-fusoideis, rectis, v. arcuatis, utrinque obtuse acutatis, 40-60 \approx 4-5, continuis, granuloso-farctis, hyalinis.

Hab. ad ostiola Phomatosporæ botryosphæroidis Speg., sociâ *Nectriâ guaraniticâ* Speg., ad ramulos dejectos putrescentes pr. Guarapí Brasilæ. — Species fere anomala potius ad *Fusarium* referenda, statum conidicum unius v. alterius fungilli, cum quibus est consociata, sistens.

FUSOMA Corda — Sacc. Syll. IV, p. 220.

1. **Fusoma triseptatum** Sacc. sp. nov. — Cæspitulis hypophyllis in areolis 7321
adusto-nigricantibus oblongis adnatis, applanatis, pelliculiformibus, albis, margine haud byssino; conidiis fasciculatis fusoides,

curvulis, apice acutioribus, 2-septatis, 25-30 \times 4, granulosis, hyalinis, ad septa non vel vix constrictis; basidiis brevibus crassis, ovato-piriformibus, stipitatis, 12 \times 4.

Hab. in foliis vivis graminum, e. g. Calamagrostidis pr. Nossen Saxonie (KIEGER, COMM. BRESADOLA).

2. **Fusoma punctiforme** Karst. Symb. Myc. Fenn. XXVII, p. 35. — 7322

Cæspitulis gregariis, minutissimis, albis vel albidis, liberis; conidiis fusoido-bacillaribus, curvis, continuis v. 1-3-septatis, utrinque acutis, hyalinis 17-30 \times 1,5-5.

Hab. in foliis putridis Iridis Pseudacori pr. pagum tam-melensem, Kojo Fennie.

SEPTOCYLINDRIUM Bon. — Sacc. Syll. IV, p. 223.

1. **Septocylindrium olivascens** Thuem. M. U. n. 1570 et Diagn. p. 11. 7323

— Maculis epiphyllis, plus minus orbiculatis, sæpe nervum medium sequentibus confluentibusve, olivaceis, tenuissimis; hyphis longis, simplicibus arcuato-subcontortis v. flexuosis, articulatis, ad septa non constrictis, fuscis, 8-10 μ . cr.; conidiis acrogenis, concatenatis, cylindræis v. cylindrico-ellipsoideis, plerumque subrectis, utrinque subrotundato-obtusis, 2-3-5-septatis, 30-60 \times 12, pallide fuscidulis.

Hab. ad folia viva Elæagni angustifolii, Lyon Gallie (J. THERRY).

2. **Septocylindrium Ranunculi** Peck — Syll. II, p. 223. — Var. **Vero-** 7324

nicæ Br. et Har. Rev. Myc. 1891, p. 18. — Maculis albo-griseis, amphigenis, obscure limitatis; hyphis hypophyllis, hyalinis, remote septatis, non constrictis, rectis v. subflexuosis, 30-60 \times 4-5; conidiis oblongis v. cylindræis, obtusis, hyalinis, granulosis, nunc distincte 1-septatis et subconstrictis, nunc parum distincte 2-3-septatis, 16-28 \times 5-7.

Hab. in foliis ægrotantibus Veronicæ agrestis, Ville-sur-Terre, Aube Gallie (P. HARIOT).

Sect. 4. Staurosporæ SACC.

TRINACRIUM Riess — Sacc. Syll. IV, p. 231.

1. **Trinacrium minus** Speg. F. Fueg. n. 436. — Hyphis repentibus, 7325

hyalinis, gracillimis, 2-3 μ . cr. longiusculis, parce septulatis ac ramosulis, mox mucoso-diffluentibus, hyalinis; conidiis sparsis vage insertis, tri-radiatis, radiis divaricatis, apice attenuato-acutatis, 20-25 \times 2, dense guttulatis, hyalinis.

Hab. in Fumagine pannosa parasitica ad folia viva Per-
nettiae mucronatæ in Staten island in Fuegia. — A *Tr. sub-*
tili Rees an satis distinctum?

TITÆA Sacc. Syll. IV, p. 231.

1. **Titæa Clarkeæ** Ell. et Ev. Proc. Acad. Phil. 1891, p. 86. — Cæ- 7326
spitulis punctiformibus v. elongatis, 0,5-1 mm. long., albis, adpres-
sis; conidiis hyalinis dense gregariis, quadrilocularibus, loculis bi-
nis verticaliter superimpositis, superiore globoso-ellipsoideo 7-9 μ .
diam., inferiori subovato angustiore, utrinque appendice curvula di-
varicata cuspidata 40-45 μ . long. prope basim biconstricta 4 μ . cr.
aucto, basidiis e strato cellulari assurgentibus, monosporis, 15-25
 \approx 3, quater v. quinquies constrictis.

Hab. parasitica in Dichæna strumosa ad Quercum ili-
cifoliam, Vineland N. J. Amer. bor. (Domina C. H. CLARKE).

DESMIDIOSPORA Thaxt. Bot. Gaz. 1891, p. 203 (Etym. *Desmidium*
et *spora*). — Hyphæ hyalinæ ramosæ, septatæ. Conidia dimorpha,
in eodem mycelio. Microconidia minuta, subfusoides, hyalina, in
apice basidii lateralis subulati basi inflati acrogena. Macroconi-
dia majuscula, terminalia, applanata subdisciformia, peripherice sub-
dichotome lobata, intus multilocularia, rufo-brunnea. — Genus
prædistinctum.

1. **Desmidiospora myrmecophila** Thaxt. loc. cit. t. XX, f. 1-9. — 7327
Effusa, flocculosa, alba; hyphis valde ramosis; microconidiis fusoi-
deis 12 \approx 2-2,5; macroconidiis initio clavatis dein sensim dilatatis,
demum discoideis inæqualiter multilocularibus 80-100 \approx 68-90, 12-
14 μ . cr. (e latere), radiatim lobatis, rufo-brunneis, lobis 15-24
variæ profunditatis, apice rotundatis.

Hab. in corpore Formicæ cujusdam majoris, Connecticut Ame-
ricæ borealis.

Sect. 5. Helicosporæ SACC.

HELICOMYCES Link — Sacc. Syll. IV, p. 233.

1. **Helicomyces? larvæformis** Speg. Guar. I, pag. 158. — Subiculo 7328
latissime effuso, crassiuscule pulvinato, 0,5-1 mm. cr., gossypino-
v. arachnoideo-pulverulento, friabilissimo, amœne pallideque carneo
vel subaurantio-roseo; hyphis non visis; conidiis ferri equini in-
star arcuatis v. annulato-incurvis fusoides, antice attenuatis, po-

stice subcuneatis, utrinque obtusiuscule acutatis, guttulis ventralibus 3 v. 5 cuboideis v. subconicis donatis, 20-25 \approx 10, hyalinis.

Hab. ad ramulos hypertrophicos et baccas *Strychnodaphnes* sua veolentis pr. Mbatobí et Guarapí Brasilæ.

CLATHROSPHÆRA Zalewski, Przyczyki etc. Krak. 1888, cum tabulis, (polonice). — Videretur mucedinea dimorpha, helicospora et clathrospora, sed ignoto mihi idiomate polonico et deficiente diagnosi latina, stirps mihi non clara.

Fam. 2. Dematiæ FR.

Sect. 1. Amerosporæ SACC.

Subsect. 1. Micronemeæ SACC.

Trib. 1. Coniosporiæ SACC.

CONIOSPORIUM Link — Sacc. Syll. IV, p. 238.

I. In Dicotyledoneis.

1. **Coniosporium nitidum** Karst. in Rev. Myc. 1885, p. 107. — Cæ. 7329
spitulis epiphyllis, minutis, punctiformibus, sparsis, hinc inde gregariis vel confluentibus, atris; conidiis ovoideis, nitidis, atris (sub microscopio fuscis), 30-33 \approx 15-18; hyphis obsolete.

Hab. in foliis languescentibus *Viciæ sativæ*, Mustiala Fenniæ.

2. **Coniosporium Angelicæ** Rostr. Bidr. Ascom. Dovr. p. 13. — Cæ. 7330
spitulis effusis, nigro-olivaceis; conidiis globosis, olivaceis, 4 μ . diam., sporophoris brevissimis, hyalinis.

Hab. in caulibus *Archangelicæ officinalis*, Dovre Norvegiæ (BLYTT).

3. **Coniosporium caulincolum** Rich. Cat. Champ. Marn. n. 1937. — 7331
Acervulis nigris, maculiformibus; conidiis amygdaloideis, hyalinis. dein brunneis; sporophoris brevibus e strato submucoso oriundis.

Hab. in caulibus emortuis *Resedæ luteolæ* pr. St.-Amand, Marne Galliæ.

4. **Coniosporium carbonaceum** (Carm.) Cooke Grev. XVI, p. 79, *Gymnosporium* Carm. herb. — Epiphyllum, effusum, nigrum, capnodioides; conidiis ovoideis vel limoniformibus, continuis, brunneis, opacis, 12 \approx 10.

Hab. in foliis *Spirææ Ulmaricæ*, Appin Britannicæ (CARMICHAEL). — Conidia sporidiis *Chaetomii* similia.

5. **Coniosporium Fairmani** Sacc. Journ. Myc. 1889, p. 78 et p. 180, 7333
Fairm. Contr. Myc. West. N. Y. p. 52, f. 14-15. — Effusum, atrum, adpressum, pulvereum; conidiis globosis, levibus, fuligineis, 1-nucleatis, 5-7 μ . diam.
- Hab.* in cortice Cucurbitæ (*Hubbard squash*) intemperiei exposito, Lyndonville N. Y. Amer. bor. (C. E. FAIRMAN). — A *C. apiosporoide* differt præ ceteris conidiis multo minoribus.
6. **Coniosporium pterospermum** Cooke et Mass. Grev. XIX, p. 90. — 7334
Cæspitulis gregariis, minutis, erumpentibus, ellipticis v. elongatis, nigricantibus; conidiis ambitu subglobosis v. oblongis, compressis, membranaceo-marginatis, in appendices emarginato-truncatas subsenas productis, olivaceo-brunneis, continuis, 12 μ . diam. vel 25 μ . diam., cum appendicibus; basidiis brevibus hyalinis e pseudostromate pulvinato oriundis.
- Hab.* in *Lepidospermo*, Victoria Australiæ (MARTIN). — «Ob conidia alata prædistincta species, immo novi generis (*Pteroconium* Sacc.) typus».
7. **Coniosporium corticale** Ell. et Ever. Journ. Mycol. 1889, p. 69. — 7335
Brunneo-nigrum, pulvereum, subcorticale; conidiis globosis, 3-4 μ . diam. v. ellipsoideo-ovatis, 4,5-5 \approx 3-4.
- Hab.* in cortice *Aceris*, London Canada Amer. bor.
8. **Coniosporium incertum** Karst. in Rev. Myc. 1885, p. 107. — Cæspitulis superficialibus, minutis, punctiformibus, sparsis v. subgregariis, atris; conidiis sphæroideo-ellipsoideis v. subsphæroideis, hyalinis, coacervatis, dilutissime fuligineis (sub lente) 2-3 \approx 1-2. 7336
- Hab.* in ligno vetusto *Sorbi Aucupariæ*, prope Mustiala Fenniæ.
9. **Coniosporium subgranulosum** Ell. et Ev. Proc. Acad. Phil. 1891, 7337
p. 87. — Cæspitulis minutis, nigris, gregariis, pulvinatis e conidiis leniter adhærentibus, subglobosis, granuloso-rugosis, brunneis, 4-5 μ . diam., raro connato-binis ideoque simulate 1-septatis, eformatis.
- Hab.* in ligno decorticato *Populi*, Sand Coulee, Cascade Co., Montana Amer. bor. (F. W. ANDERSON). — Ad *Torulam* vergens.
10. **Coniosporium stromaticum** Corda — Syll. IV, p. 240. — *subreticulatum Karst. Symb. Fenn. XXVI, p. 31. — Cæspitulis superficialibus, gregariis, sæpe confluentibus, minutis, laxis, rotundatis, atris; conidiis sphæroideis v. subsphæroideis, subreticulatis, fuligineis, semipellucidis (sub lente), 20-30 μ . diam.; hyphis sparsis, diffusis, tenerrimis, 1 μ . cr., hyalinis. 7338

Hab. ad asseres Pini silvestris, prope pagum Tammela Fenniae.

11. **Coniosporium parallelum** Karst. Hedw. 1889. — Cæspitulis superficialibus, gregariis, subinde confluentibus, parallelis, linearibus, rarius elongatis v. rotundatis, pulverulentis, atris, minutis; conidiis globulosis, fuligineis (sub micr.), impellucidis, 6-12 μ . diam. 7339

Hab. in ligno sicco arborum acerosarum? ad Rio de Janeiro.

II. In Monocotyledoneis.

12. **Coniosporium? myocoproides** Speg. F. Guar. II, n. 186. — Cæspitulis hypophyllis superficialibus, hemisphærico-orbicularibus, minutis, 150-250 μ . diam. atris, compactiusculis, sparsis vel sæpius pluri-aggregatis v. subconfluentibus; hyphis e centro basali radiatim enatis brevissimis, gracilibus, 10-15 \approx 3-4, septulato-subtorulosis, mox dense toruloso-dichotomis, articulis gradatim in conidia mutatis; conidiis globosis, 4-5 μ . diam. catenulatis, glabris, levibus fuligineis. 7340

Hab. ad folia emortua v. languida Coccoës australis in Sierra de Peribeby Brasiliæ.

13. **Coniosporium Agaves** Passer. F. N. IV, n. 133. — Cæspitulis punctiformibus fuscis, in macula discoidea albida, solitariis v. maculis pluribus confluentibus, gregariis; conidiis globosis, olivaceis vel fuligineis, 4-5 μ . diam. 7341

Hab. in foliis putridis Agaves americanæ, Roma. — Perithecia plane deficientia. An *Papularia concentrica* Kickx?, sed conidia semper globosa et maculæ haud zonatæ obstare videntur.

14. **Coniosporium Cerealis** Karst. Symb. XX, pag. 109. — Acervulis superficialibus, minutissimis, punctiformibus, discretis v. confluentibus, atris; conidiis perfecte sphæroideis, subolivaceis, diaphanis, episporio obscuriore (sub micr.), 2-2,5 μ . diam. 7342

Hab. in foliis juvenilibus, languescentibus Secalis Cerealis ad Mustiala Fenniae. — A *Coniosporio gramineo* minutie omnium partium diversum.

15. **Coniosporium Arundinis** (Corda) Sacc. Syll. IV, p. 243. — Var. **Secalis** Karst. Hedw. 1888, p. 104 et Symb. XXII, pag. 147. — Acervulis elongatis, secus culmorum fibras parallele seriatos digestis v. effusis, pseudostromate insidentibus, sphæroideis v. late ellipsoideis, maturis luce directa aterrimis, nitidis, luce refracta atro-olivascensibus, prope marginem zona angustissima dilutiore cinctis, eguttulatis, 6-10 μ . diam. v. 10-12 \approx 7-10. 7343

Hab. in culmis vaginisque putrescentibus *Secalis Cerealis* ad Vasam Fenniæ.

III. In Acotyledoneis et aliis substantiis.

16. **Coniosporium phyllophilum** Karst. Hedw. 1890, p. 178, Fragm. 7344
myc. XXX. — Conidiis ellipsoideis v. ovoideis, fuscis, impellucidis (sub micr.), 10-12 \approx 6-8, stratum superficiale, fuliginosum, pulvereum, tenuissimum, acervulosque sparsos punctiformes, inæquales, atros opacos formantibus; hyphis parum notabilibus.

Hab. in pag. sup. foliorum vivorum *Polystichi*, *Tradescantiæ*, *Cyrtomii*, *Antigoni*, *Dracænæ*, *Araliæ* in horto mustialensi Fenniæ (O. KARSTEN).

17. **Coniosporium Polytrichi** Peck 43 Rep. p. 29. — Acervulis minutis, 75-100 μ . diam., dense gregariis, superficialibus, nigris; conidiis globosis, granulosis, nigris, 16-20 μ . diam. 7345

Hab. in urnis *Polytrichi juniperini*, Sevey Amer. bor.

18. **Coniosporium mycophilum** Ell. et Langl. Journ. Myc. 1890, p. 35. 7346
Maculiforme, sparsum vel confluens, 1 mm. diam., nigro-olivaceum; conidiis ellipsoideis, olivaceo-atris, levibus, 8 \approx 4.

Hab. in pileo *Polysticti pergameni* et *Lentini ursini*, Louisiana Amer. bor. (LANGLOIS).

19. **Coniosporium Richardi** Brun. Champ. Saint. VII, p. 6. — Cæspitulis irregularibus, elongatis vel confluentibus, crustaceis, nigris; conidiis primo subglobosis, continuis, eguttulatis, brunneis, 7-8 \approx 5, interdum ovoideis, 12 \approx 5. 7347

Hab. in fragmentis funis putris, La Rochelle pr. Saintes Galliæ, interdum sociâ *Roselliniâ* quadam, peritheciis sterilibus gregariis et fragilibus, verisimiliter var. *R. chordicolæ* Sacc.

Trib. 2. Toruleæ SACC.

TORULA Pers. em. Sacc. Syll. IV, p. 249.

1. **Torula Broussonetiæ** Thüm. et Boll. Contr. Fungh. litt. Austr. III, 7348
p. 4. — Cæspitibus expansis effusisque, tenuibus, laxis, sordide griseo-atris; catenulis brevibus, plerumque subrectis, sed interdum etiam sinuosis; conidiis applanato-globulosis, unicellularibus, pallide fuscis, 3-4 μ . diam., subdiaphanis.

Hab. in ramulis emortuis *Broussonetiæ papyriferae* in agro Goritiæ.

2. **Torula obducens** Karst. Symb. Myc. Fenn. XXV, p. 26. — Ramos 7349
late ambiens et crustam tenuem, atram, effusam formans; hyphis
sterilibus decumbentibus, articulatis, hyalinis; catenulis ut pluri-
mum 10-sporis, simplicibus vel ramosis, curvatis vel flexuosis, sæpe
connatis; conidiis primitus hyalinis, ellipsoideis, dein fuligineis, pel-
lucidis (sub micr.), 4-8 μ . diam., sat facile secedentibus.
Hab. ad corticem semivivum Populi tremulæ, Mustiala
Fenniae.
3. **Torula ignobilis** Karst. et Har. Journ. Bot. 1890, p. 362. — Cæ. 7350
spitulis effusis, admodum tenuibus, atris vel fusco-atris; catenulis
adscendentibus vel curvulis, simplicibus, 2-6-meris; conidiis sphæ-
roideis, rarius ovoideis, 1-guttatis, ex hyalino fuligineis, pellucidis,
6-9 μ . diam.
Hab. in cortice Ulmi consumpti, Méry-sur-Seine Galliae.
4. **Torula tuberculariæformis** Rich. Cat. Champ. Marn. n. 1944. — Acer. 7351
vulis nigris, discoideis, superficie albo-pulverulentis («?»); conidiis
globoso-cuboideis, catenulatis, in fasciculos dense connexis; spo-
rophoris septulatis catenas æquantibus.
Hab. in ligno putri Salicis, St.-Amand Marne Galliae. — Sec.
auct. potius *Tuberculariaceæ*. «An *Trullula?*»
5. **Torula gyrosa** Cooke et Mass. Grev. XVI, p. 10. — Punctifor- 7352
mis, cæspitulosæ, atra; conidiis subcuboideis, nucleatis, 3-4 in ca-
tenulas varie curvas connexis, pallide olivaceis, 12 = 6-8, catenu-
lis ipsis passim in series connexis.
Hab. in ligno pineo putri, Kew Britanniae.
6. **Torula olivacea** Corda — Syll. IV, p. 252 — ***T. inops** Karst. Hedw. 7353
1890, pag. 272. — Cæspitulis effusis, tenuibus, olivaceo-atris; ca-
tenulis simplicibus quinque-decemsporis, pedicello nullo; conidiis
sphæroideis vel ellipsoideis, eguttulatis, pellucidis, dilute olivaceo-
fuligineis (sub lente), 7-9 μ . diam. vel 10-12 = 7.
Hab. in ligno vetusto Pini ad Mustiala Fenniae.
7. **Torula ramosa** Peck 32 Rep. pag. 39. — Effusa, tenuis, nigra; 7354
hyphis septatis; conidiis in catenas terminales et laterales seriatis,
globosis, coloratis, 7,5 μ . diam., 1-2 inferioribus interdum ellipsoi-
deis vel piriformibus.
Hab. in ligno pineo, Roth Greenbush Amer. bor.
8. **Torula densa** Karst. et Har. Journ. Bot. 1890, p. 362. — Cæspi- 7355
tulis rotundatis, confluentibus, crassiusculis, densis, non pulveru-
lentis, superficialibus, atris, intus atro-fuscis, e conidiis parce con-

catenatis vel conglobatis, sphæroideis vel difformibus, 10-17 \approx 8-12, plus minus dilute fuligineis compositis.

Hab. ad *Cereum alatum*, Paramaribo Guyanæ batavæ (KEGEL).

9. **Torula nucleata** Cooke Grev. XVI, p. 79. — Subeffusa, nigricans, 7356
minute cæspitulosa, mycelio repente; hyphis fertilibus basi tenuatis hyalinis, supra in conidia subglobosa, 6-8 persistenter catenulata, atro-brunnea, crasse 1-nucleata, 10-12 μ . diam. abeuntibus.

Hab. in caulibus herbaceis, Shroffeld's Wood Britanniae (F. CURREY).

10. **Torula cyperina** Roum. et Pat. in Rev. Myc. 1885, p. 175, t. LV, 7357
f. 12. — Tenuissima, superficialis, elongata, inter nervulos foliorum insidens; mycelio pallide brunneo, radiante; hyphis brevibus, catenulas simplices, erectas conidiorum gerentibus; conidiis brunneis, levibus, applanatis, 4-5 \approx 2.

Hab. in foliis exsiccatis *Cyper*i longi circa Toulouse Galliae.

11. **Torula Bambusæ** Pat. Bull. Soc. Myc. 1888, p. 125. — Orbicularis, nigra, pulverulenta, margine subdentritica; hyphis gracilibus, torulosis, brunneis; conidiis lenticularibus, brunneis, 8-10 μ . diam. 7358

Hab. in *Bambusa putri*, Caracas Venezuelæ.

12. **Torula alpina** Fourcade in Roum. F. G. n. 4188, *Torula Ramalinæ* Nyl. pr. p. — Cæspitulis nigris compactis, adpressis; conidiis inæqualiter globosis, basi truncatis, 8 μ . diam., in catenulas simplices digestis. 7359

Hab. in thallo *Everniæ ochroleucæ*, in rupibus Col de Venasque Pyrenæorum Hispan. (CH. FOURCADE).

13. **Torula opaca** Cooke in Ellis N. A. Fungi n. 759 (absque diagnosi). — Cæspitulis irregularibus, minutis, 1-2 mm. diam. adpressis aterrimis; mycelio obsoleto; conidiis tereti-oblongis vel subcuboideis, variis, 7,5-20 \approx 7,5, nigris, opacissimis in catenulas breves rectas simplices digestis. 7360

Hab. in thallo lichenum ad ramos vivos v. emortuos variarum fruticum, Newfield N. J. Amer. bor. — *Tor. ovalispora* Berk. est, teste Cooke, vera *Torula* nec *Oospora*; cfr. Syll. IV, p. 13.

14. **Torula lichenicola** Linds. New lichenicol. microfung. p. 515 et 7361
530, t. XXIII, f. 1-18. — Punctiformis, atra, in thallo vel apotheciis lichenum superficialis; sporophoris fasciculatis deorsum tenuatis subcontinuis, pallidis, sursum in conidia gradatim majora, oblongo-cuboidea, sæpe guttata utrinque obtusula, fuliginea, cya-

neo- vel olivaceo-fusca, 7-12 \approx 4, breviter catenulata abeuntibus, catenulis brevibus simplicibus rarissime furcatis.

Hab. in lichenibus plerumque corticolis *Lecanoris*, *Lecideis*, *Physciis*, *Arthoniis*, *Parmeliis*, *Opegraphis*, *Verrucariis* etc. in tota Europa.

15. **Torula Darwinii** Speg. F. Fueg. n. 441. — Cæspitulis minutis 7362 superficialibus globuloso-hemisphæricis 250-300 μ . diam., atris compactiusculis dense sparsis; conidiis globulosis 10-15 μ . diam., grosse 1-guttulatis levibus fuligineis, primo conglobatis dein singulatim vel 2-3-tim secedentibus.

Hab. ad *Cyttarium Darwinii* putrescentem ac dejectam in silvis prope Penguin rookery in Staten island Fuegiæ.

16. **Torula mycetophila** Cooke et Mass. Grev. XVI, p. 3. — Cæspitulis minutis, tenuissimis, sparsis, atris; hyphis parce ramulosis, subrectis; articulis globoso-compressis, arctissime constrictis atro-olivaceis, 10 μ . diam. 7363

Hab. in pileo *Polysticti cinnabarini*, Victoria Australiæ (CAMPBELL). — *Torula spongicola* Duf., Syll. IV, p. 261. Nascitur quoque in spongis prope Livorno (CARNEL, MARTELLI) et Padova (SACCARDO). Conidia 6-7 μ . diam.

17. **Torula circinans** A. Roum. et Pat. in Rev. Myc. 1886, p. 156. 7364 — Conidiis globulosis, brunneis, sublevibus, catenulatis; catenulis 15-25 \approx 5; hyphis fertilibus simplicibus, raro bifidis, densissimis, brunneis, circinatim dispositis, demum confluentibus.

Hab. in tegulis marnaceis tecti equilis, Toulouse Galliæ (A. ROUMEGUÈRE),

HORMISCIUM Kunze — Sacc. Syll. IV, p. 263.

1. **Hormiscium septonema** (Preuss) Karst., Syll. IV, p. 248 — var. 7365 **betulinum** Karst. Symb. myc. Fenn. XXV, pag. 25, *Hormiscium curvatum* (Peck) Sacc. var. *betulinum* Karst. Symb. XX, p. 97. — Cæspitulis late effusis, atris, catenis conidiorum rarissime ramosis, 60-90 μ . long.; conidiis subcuboideis, 4 μ . longis, 6 μ . crass.

Hab. in cortice *Betulæ* prope Vasa Fenniæ.

2. **Hormiscium affine** Pass. in Brun. Misc. mycol. p. 21. — Effusum, 7366 superficiale, membranaceum, facile secedens, fuligineum, catenulis vage ramosis, ramis varie crassis, apice attenuatis, incurvis; conidiis globosis vel ovoideis, difficile secedentibus, magnitudine varia, majoribus guttulatis, fuliginosis.

Hab. in folio Lauri?, Ile Mayotte Galliaë. — Catenulæ immaturæ? mucro involutæ. *H. pityophilo* et *H. Lechleriano* affine.

3. **Hormiscium sorbinum** Karst. Symb. Myc. Fenn. XXIX, p. 105. — 7367

Cæspitulis subcutaneis, erumpentibus, gregariis, maculas atras demum totam superficiem fructuum inquinantes formantibus; hyphis sterilibus repentibus, ramosis, articulatis, hyalinis vel subfuligineis, 3-7 μ . cr.; hyphis fertilibus articulatis, fuligineis, brevibus; catenulis conidiorum brevibus, conglutinatis, globulos difformes formantibus; conidiis sphæroideis vel subsphæroideis, fuligineis (sub lente), 6-9 μ . diam.

Hab. ad fructus Sorbi Aucupariæ in pr, Tammela Fenniaë.

4. **Hormiscium crustaceum** Karst. Symb. XIX, p. 90. — Effusum, cru- 7368

staceum, pertenuè, superficiale, olivaceum, siccando fuscum; catenulis cylindræis, simplicissimis, curvatis vel flexuosis, subinde ascendentibus, æqualibus, 7-12-septatis, ad septa non constrictis, opacis, 28-75 \approx 6-8; conidiis cuboideis, 1-guttulatis, fuligineis et diaphanis (sub lente), diu cohærentibus.

Hab. in cortice ramorum emortuorum Pruni Padi, Mustiala Fenniaë.

5. **Hormiscium orbiculatum** Karst. Symb. XX, p. 97. — Cæspitulis 6369

gregariis, subinde confluentibus, superficialibus, orbiculatis, pulverulentis, nigris, circ. 1 mm.; conidiis in catenulas simplices vel ramosas, inæquales, curvatas vel flexuosas, breves, circ. 30 \approx 7-8 digestis, subcuboideis, subæqualibus, connatis, fuligineis, impellucidis v. semi-pellucidis (sub vitro).

Hab. in ligno denudato ramorum Salicis prope Mustiala Fenniaë.

6. **Hormiscium paradoxum** Karst. Symb. Myc. XXVI, p. 31. — Cæ- 7370

spitulis suborbiculatis, velutinis, aterrimis, 1-2 mm. latis; hyphis (seu catenulis) vage ramosis, conjunctis et curvatis, valde inæqualiter articulatis, 100-150 μ . longis, fuligineis, semipellucidis (sub lente), in conidia subsphæroidea vel ellipsoidea vel difformia, 10-25 \approx 8-12 v. 6-8 μ . diam. tandem secedentibus.

Hab. in pariete ligneo (abietino?) aqualiculi in Mustiala Fenniaë.

7. **Hormiscium scriptum** Karst. Symb. XIX, p. 90. — Cæspitulis pun- 7371

cti- vel striiformibus, atris; hyphis sterilibus obsoletis; catenulis simplicibus, flexuosis, semipellucidis, ex articulis 16-20 conjunctis, 60-75 \approx 6-7; conidiis cuboideis, eguttatis, 3-6 \approx 6.

Hab. in Fomite nigricante emortuo ad Mustiala Fenniaë.

Subsect. 2. **Macronemeæ** Sacc.Trib. 3. **Periconiæ** Sacc.**STACHYBOTRYS** Corda — Syll. IV, p. 269.1. **Stachybotrys elongata** Peck 43 Rep. p. 29, t. III, fig. 10-13. — 7372

Hyphis elongatis, intricato-ramosis, parce septatis, minute rugosis, cæspitulos brunneos, 2-6 mm. diam. efformantibus; hyphis fertilibus sterigmatibus plus minus elongatis, basi sæpius incrassatis v. bulbosis coronatis; conidiis globosis, coloratis, 6-7,5 μ . diam.

Hab. in ramis emortuis *Aceris rubri*, Manor Amer. bor.

2. **Stachybotrys atro-grisea** E. et E. Journ. Myc. 1888, p. 106. — 7373

Atro-grisea; hyphis sterilibus repentibus, ramosis, septatis, flavidis v. fumoso-hyalinis, 3 μ . cr., ramis fertilibus erectis, subalternis, apice basidiis obovato-oblongis, 8-10 = 4-5, capitato-verticillatis coronatis; conidiis oblongo-ellipsoideis, 2-nucleatis, levibus, atro-brunneis, 7-8 = 3,5-4,5.

Hab. in caulibus vetustis *Lycopersici* Louisiana Amer. bor. (LANGLOIS). — Basidia infra flavido-hyalina, supra atra.

3. **Stachybotrys verrucosa** Cooke et Mass. Grev. XVI, p. 102. — 7374

Hyphis sparsis vel in cæspitulos minutos, atro-olivaceos collectis, erectis, geniculatis, quoque angulo breve ramulosis, laxe spiralibus, septatis, rugulosis, pallidis e mycelio hyalino, glabro, repente, ramoso assurgentibus, ramorum apicibus in verticillum 4-6 basidiorum clavatorum desinentibus; conidiis sphaericis, verrucosis, e nigro purpurascens, 10-14 μ . diam.

Hab. charta bibula uda (herbariorum), Kew London Brit. — Affinis *S. scabræ*.

4. **Stachybotrys asperula** Masee Grev. XVI, p. 26. — Effusa, atra; 7375

hyphis gregariis, repentibus, furcato-ramosis, assurgentibus, granulato-asperulis, sterigmatibus clavatis, capitato-coronatis; conidiis globosis, asperulis, 7-10 μ . diam., atro-fuscis, opacis.

Hab. in charta uda ex Ceylon, socio *Chætomio*, Kew London Brit. — Cl. Oudemans in Contr. Myc. Pays-bas XI, p. 48, recte proposuit divisionem generis *Stachybotryos* ut sequitur: I. *Stachybotrys* em. Mycelium repens, ramosum; hyphæ fertiles apice basidiis heterogeneis in verticillum partim connatis coronatæ (*S. atra* Corda, *S. alternans* Bou., *S. lobulata* Berk.). II. *Sterigmatobotrys* Oudem. l. c. Hyphæ erectæ, simplices, apice basidiis heterogeneis liberis coronatæ (*S. elata* (Sacc.) Oud., *S. papyrogena* (Sacc.) Oud.).

PERICONIA (Tode?) Bon. — Sacc. Syll. IV, p. 270.

1. **Periconia lateralis** Ell. et Ev. in Journ. of Myc. 1886, p. 104. — 7376
Hyphis fertilibus erectis, subulatis, septatis, opacis, 250-300 \approx 8-10 (ad basim), subrectis, lateraliter, prope apicem globulum brunneum conidiorum gerentibus; conidiis globosis, luteo-brunneis, echinulatis, 10-12 μ . diam., crasse nucleatis.
Hab. in caulibus herbaceis in Amer. bor. (LANGLOIS).
2. **Periconia repens** Cooke Grev. XVI, p. 79. — Minute cæspitulosæ, 7377
nigra; hyphis brevibus, flexuosis, simplicibus vel breve ramosis, crebre præsertim sursum septatis ibique isodiametricè articulatis, pallide brunneis, deorsum hyalinis, 8-10 μ . diam.; conidiis solitariis («?») apicalibus, globosis, atro-brunneis, opacis, 20-25 μ . diam.
Hab. in caulibus herbarum, Chislehurst Britannicæ (F. CURREY).
3. **Periconia albiceps** Peck 32 Rep. p. 40, t. I, fig. 8-11 (icones non 7378
vidi). — Hyphis brevibus, 0,5-0,75 mm. alt., æqualibus v. sursum subattenuatis, capitulo albo, subgloboso; conidiis oblongis v. subfusoides, hyalinis, 7,5-15 μ . long.
Hab. in caulibus emortuis Chelones glabræ, Sandlake Americæ borealis.
4. **Periconia opaca** Cooke Grev. XVI, p. 70. — Atra, gregaria; hy- 7379
phis erectis 3-4-septatis, simplicibus, atro-fuscis, opacis, capitulo subgloboso e conidiis 5-6 composito; conidiis globosis, deorsum minute apiculosis, 12-15 μ . diam., atro-fuscis, opacis, levibus.
Hab. in foliis Caricum in Carolina inf. Amer. bor. (RAVENEL).

HAPLOBASIDIUM Eriks. Bot. Centr. 1889, II, p. 786 c. ic., F. Scand. n. 300 (Etym. *haplos* simplex et *basidium*). — Hyphæ fertiles e mycelio endophyllo assurgentes breves, simplices, basidioideæ, apicem versus incrassatæ ibique 3-4 ramis conidiophoris coronatæ, demum replicatæ conidiisque elapsis, cicatricosæ. Conidia globosa, fuliginea, levia. — Hyphis fertilibus, simplicibus basidioideis, apiceque demum cicatricosis, ramis conidiophoris paucis conidiisque globosis a gen. affinibus distinguitur.

1. **Haplobasidium Thalictri** Eriks. l. c. — Biophilum; maculis effusis, 7380
supra folium exaridis, infra denigratis; hyphis fertilibus, 20-30 \approx 6-8, apiceque incrassato, 10-12 μ . cr.; conidiis globosis, 8 μ . diam. (an, ex icone, breve catenulatis?).
Hab. in foliis vivis Thalictri flavi, Stockholm Scandinavia.

ACROTHECA Fuck. em. Sacc. Syll. IV, p. 276.

1. **Acrotheca catenulata** Fautr. Rev. Myc. 1891, p. 13. — Hyphis 7381
longe lineatim cæspitosis, olivaceo-atris, sursum dilutioribus, simplicibus, septatis; conidiis mediocribus, curvulis, hyalinis, catenulatis, in apice hypharum acrogenis.

Hab. in Polysticho Filice-mare, Bois de Roches, Noidan, Côte-d'Or Galliæ. — «Ob conidia catenulata vix hujus generis».

GONATOBOTRYUM Sacc. Syll. IV, p. 278.

1. **Gonatobotryum dichotomum** Cooke et Mass. Grev. XVI, p. 15. — 7382
Effusum, fuscum; hyphis fertilibus erectis, septatis, bis terve dichotomis; conidiis ad angulos generatis, ellipticis, continuis, hyalinis v. pallide olivaceis, $15 \approx 10$, in glomerulos subglobosos digestis.

Hab. in substantiis amylaceis humiditate corruptis ex India. — Hæc species sistit novum subgenus ita definiendum: *Dichobotryum* Cooke. Hyphæ repetito dichotomæ, in quaque dichotomia capituliferæ.

Trib. 4. Arthrinieæ Sacc.

ARTHRIINIUM Kunze — Sacc. Syll. IV, p. 279.

1. **Arthrinium naviculare** Rostrup Swampe fra Finmarken pag. 235 7383
(danice). — Conidiis navicularibus, brunneis, $40-50 \approx 11-14$.

Hab. in foliis Caricis vaginatæ in Dania.

2. **Arthrinium bicornne** Rostrup Swampe fra Finmarken p. 235 (da- 7384
nice). — Conidiis bicornibus, brunneis, $25-30 \approx 8-9$.

Hab. in foliis et scapis Junci compressi in Dania.

3. **Arthrinium ushuvaiense** Speg. in F. Fueg. n. 443. — Cæspitulis 7385
erumpenti-superficialibus, minutis, $400-500 \mu$. diam., atris, compactiusculis; hyphis cylindræis, rectiusculis, simplicibus, hyalinis v. fuscidulis, gracilibus, $2,5-3 \mu$. cr., septis crassis, nigris, articulis subcoarctatis, 1-2-papillulato-nodulosis; conidiis cymbiformibus, utrinque attenuatis ac obtusis, $16-19 \approx 5-6$, primo pellucidis, fuliginæis, dein opacis atris.

Hab. ad folia languida v. emortua Luzulæ antarcticæ pr. Ushuvaia Fuegiæ.

GONIOSPORIUM Link — Sacc. Syll. IV, p. 280.

1. **Goniosporium punctiforme** Speg. F. Fueg. n. 444. — Maculis pal- 7386
lescentibus amphigenis indeterminatis, parvulis; capitulis minutis,

350-550 μ . diam. sparsis, atris, compactiusculis; hyphis cylindraceis fuscidulis, 5-6 μ . diam., crasse denseque nigro-septatis, mox diffuenti-evanescentibus; conidiis polymorphis, globosis, hemisphæricis, trigonis v. subcuboideis, 10 \approx 7-10, primo pellucidis fuligineis, dein atris, opacis, angulis sæpius obtuse apiculatis.

Hab. ad folia languida v. emortua Caricis cujusdam in uliginosis in Gabel island Fuegiæ.

Trib. 5. Trichosporiæ Sacc.

VIRGARIA Nees — Sacc. Syll. IV, p. 280.

1. **Virgaria deflexa** (Preuss) Sacc., *Psilonia deflexa* Preuss F. Ho- 7387
yersw. n. 62 et in Sturm Deut. Cryptogam. Fl. t. 19. — Cæspitulis magnis, tomentosis, atris, opacis; mycelio repente; hyphis confertis, atro-fuscis, sursum pallidioribus, erectis, simplicibus vel furcatis, septatis, obtusis; conidiis sparsis, obovatis, pallidis.

Hab. in ligno Pini, Hoyerswerda.

2. **Virgaria salebrosa** (Preuss) Sacc., *Psilonia salebrosa* Preuss F. 7388
Hoyersw. n. 61. — Cæspitulis effusis, atro-fuscis; hyphis intricatis, ramosis, septatis, salebrosis, intense fuscis; conidiis ovatis, atro-fuscis, impellucidis, episporio hilo instructo, nucleo firmo.

Hab. in lignis Alni, Hoyerswerda. — « An *Trichosporium?* ».

3. **Virgaria macrospora** Karst. Symb. Myc. Fenn. XXVII, p. 34. — 7389
Cæspitulis sat compactis, oblongatis v. subcircularibus, exiguis, 0,5 mm. latis, fuscis; hyphis congestis, erectis, simplicibus, septatis, subæqualibus, leviter flexuosis, fuligineis (sub lente), 4-6 μ . crassis; conidiis secus hyphas insertis, sphæroideis, subtilissime verrucosis, fuscis, impellucidis (sub lente), 12-18 μ . diam.

Hab. in Polysticho spinuloso, Mustiala Fenniæ.

4. **Virgaria hydnicola** Peck 42 Rep. p. 32. — Hyphis minutis, fur- 7390
catis v. trichotomis, brunneis, ramulis subulatis leniter divaricatis; conidiis globosis, minutis, 2,5-4 μ . diam.

Hab. in Hydno quodam resupinato et albo, North Elba Americæ borealis.

STREPTOTHRIX Corda (nec Cohn) — Sacc. Syll. IV, p. 283.

1. **Streptothrix glauca** E. et E. Journ. Myc. 1888, p. 107. — Cæspi- 7391
tulis pulvinatis, 1 mm. cr., continuis v. interrupte confluentibus et plura cm. latis, albo-glaucis dein cinereis; hyphis valde et irregulariter ramosis, 6 μ . cr., extremitatibus liberis, crebre undulato-crispis, conidia globosa, 4,5-5 μ . diam. hyalina gerentibus,

Hab. in caulibus *Trifolii emortuis*, Newfield, N. J. Amer. bor.

ZYGOLESMUS Corda — Sacc. Syll. IV, p. 283 *).

1. **Zygolesmus indigoferus** Ell. et Ev. in Journ. of Myc. 1886. p. 149. 7392
— Stratum laxum, subtile, submembranaceum æruginosum, demum luteo-griseum, margine byssoideum efformans; hyphis fertilibus gracilibus, ramosis, septatis, circiter 3 μ . diam.; conidiis globosis, levibus; basidiis brevibus, 8-10 = 3.

Hab. in ligno putrescente, West Chester Amer. bor.

2. **Zygolesmus calosporus** Pat. Bull. Soc. Myc. 1888, p. 127, t. XX, 7393
fig. 5. — Effusus, byssino-membranaceus, fulvo-carneus, margine fimbriato albo; hyphis septatis, hyalinis, ramosis, apicibus conidia bina-quaterna levia, majuscula, ovoidea v. subglobosa, 20-21 = 15-17, fulvo-rubescencia gerentibus.

Hab. in ligno putri, Atures Venezuelæ (GAILLARD).

3. **Zygolesmus membranaceus** E. et E. Journ. Mycol. 1888, p. 54. 7394
— Late flavido-albus, submembranaceus; hyphis pallidis patenti-ramosis, 3-5 μ . cr., noduloso-septatis, intricatis; conidiis copiosis, subglobosis, 3 μ . diam., 3,5 = 3, levibus, subhyalinis.

Hab. in ligno putri Ottawa Canad. (MACOUN) et Florida (CALKINS). — *Corticis* et *Rhinotrichis* subaffinis.

4. **Zygolesmus phyllophilus** Karst. et Har. Journ. Bot. 1890, p. 362. 7395
— Effusus, admodum tenuis, incanus; hyphis ramosis, articulatis, levibus, hyalinis, hinc inde unilateraliter inflatulis ibique imperfecte septatis, 3-6 μ . cr.; conidiis sphæroideis, echinulatis, flavescens, 6 μ . diam.

Hab. ad folia macerata prope Meudon Parisiorum Galliæ (TULASNE).

5. **Zygolesmus tuberculosus** Ell. et Ev. Proc. Phil. 1891, p. 87. — 7396
Cæspitulis tubercularibus, 0,5-1 mm. lat., dense confertis v. subconfluentibus, sordide albis; hyphis hyalinis, circ. 10 μ . cr., supra repete ramosis, septatis, ramis erectis, ultimis obtusis, 10-12 μ . diam., apice sterigmata, 12-16 = 3 gerentibus; conidiis oblongis, hyalinis, 15-20 = 5-6.

Hab. in radicibus putribus, Newfield, New Jersey Amer. bor.

6. **Zygolesmus trachychætes** E. et E. Journ. Myc. 1888, p. 106. — 7397

*) Ut pluries observavi, species hujus generis fere omnes prope *Hypochnum*, inter *Hymenomycetes*, aptius essent locandæ.

Pallide lilacinus, margine subflavescens; hyphis parce ramosis, 5-6 μ . cr., minute muricato-rugulosis, apicibus in basidia fasciculata rugulosa divisus; conidiis globosis, 6-7 μ . diam., echinatis in sterigmatibus longis, sæpe binatis, acrogenis.

Hab. in ramis pineis dejectis, Newfield, N. J. Amer. bor. — Hyphis parcius ramosis, muricato-rugulosis, conidiis perfecte globosis etc. a *Z. sublilacino* recedit.

7. **Zygodemus limonisporus** Ell. et Ev. Proc. Acad. Phil. 1891, p. 87. 7398

— Tenuis, avellaneus; hyphis 6-8 μ . diam. subhyalinis, septatis, sursum valde ramosis et assurgentibus, ramis ultimis, 20-25 \approx 10, apice subincrassatis, obtusis et sterigmata 4, valida gerentibus; conidiis citriformibus, hyalino-flavidis, breviter pedicellatis, 7-9 \approx 5.

Hab. in ligno putri Aceris, London, Canada Americæ borealis (DEARNESS).

8. **Zygodemus sublilacinus** Ell. et Holw. in Arth. Rep. Bot. Minnes. 7399

1886, p. 34. — Continuus, tenuis, pannosus, sordide lilacinus, margine pallidior; hyphis primariis valde ramosis, apicibus incrassatis; conidiis spicularibus; conidiis grosse echinatis, subirregularibus, circ. 7 μ . diam.

Hab. in ligno putri et in cortice Pini et Betulæ, Minnesota Americæ borealis.

9. **Zygodemus Pirolæ** Ell. et Halst. Journ. Myc. 1890, p. 34. — Ef. 7400

fusum, thelephoroideum, incrustans, rubido-griseum; hyphis rubentibus brunneis nodoso-septatis ramosis 3-4 μ . cr., ramosis, ramis sæpe rectangulo-patulis, apicibus in sporophora numerosa, brevia, obtusa divisus; conidiis subglobosis 8-10 μ . diam., spinuloso-rugosis, subhyalinis v. rubro-brunneis.

Hab. in petiolis (quos leviter torquet) Pirolæ rotundifoliæ, New Brunswick, N. J. Amer. bor.

10. **Zygodemus guarapiensis** Speg. Guar. I, p. 162. — Acervulis 7401

dein superficialibus, 2-5 \approx 1-1,5 mm., ellipticis vel confluenti-linearibus atque longissimis, 0,2-0,3 mm. cr., subcrustaceo-pulverulentis, margine non v. vix repandis, obtusis, atris; hyphis paucis parum ramosis, repentibus, rectiusculis septatis, gracilibus, 1,5-2 μ . cr., laxe noduloso-tuberculatis, hyalinis; conidiis tuberculis hypharum adnatis, numerosissimis, globosis v. e mutua pressione angulosis v. elongatis, 5-9 \approx 3-5, sæpeque utrinque acutis ac inferne subapiculatis, opacis, olivaceis, levissimis.

Hab. ad culmos dejectos putrescentes Sacchari officinarum pr. Guarapî Brasiliæ.

11. **Zygodemus stercorarius** Karst. Hedw. 1890 p. 178, Fragm. 7402
myc. XXX. — Cæspitulis effusis crustaceo-gossypinis, violascenti-
cinereis, ambitu dilutioribus; hyphis intricatis, ramosis, septatis,
hinc inde nodosis ibique refracto-septatis, hyalinis (sub lente), 5-7
 μ . cr.; conidiis sphæroideis dilute fuligineo-flavidis, aculeatis, 6-7
 μ . diam.

Hab. in fimo equino, Mustiala Fenniæ.

TRICHOSPORIUM Fr. — Sacc. Syll. IV, p. 288.

1. **Trichosporium olivascens** Karst. Rev. Myc. 1889. — Late effusum, 7403
velutinum, laxum, griseo- vel olivaceo-fuscum; hyphis repentibus,
intricatis, dichotome v. vage ramosis, parce septatis, fuligineis, (sub
lente), pellucidis, ramulis ultimis subhyalinis, asperulis, 4-6 μ .
crassis; conidiis ovalibus, levibus, hyalinis, in flavum levissime ver-
gentibus, membrana obscuriore, eguttulatis, 6-8 \approx 3-7.

Hab. in ligno vetusto arborum frondosarum ad Mustiala Fenniæ.

2. **Trichosporium Evonymi** Oud. Contr. Myc. Pays-bas XII, pag. 33. 7404
— Mycelio atro-brunneo; hyphis ramosis, intertextis; conidiis glo-
bosis, brunneis, basi breviter attenuatis, 4-5 μ . diam., aliis 1-se-
ptatis, 10-12 \times 4, utrinque rotundatis immixtis.

Hab. in foliis *Evonymi japonicæ*, sociâ *Pestalozziâ neglectâ*, in Nederlandia.

3. **Trichosporium substrictum** Karst. Symb. XX, p. 107. — Effusum, 7405
flocculosum, griseo-fusum; hyphis furcatis parceque ramosis, se-
ptatis, rigidiusculis, demum fuligineis et impellucidis (sub lente) 5-7
 μ . cr.; conidiis secus ramos digestis v. glomeratim inspersis, sphæ-
roideis v. late ellipsoideis, levibus, dilute fuligineis et diaphanis,
(sub vitro), 3-6 μ . diam.

Hab. in caulibus siccis *Ledi palustri* prope pagum *Sipilä*
haud procul a Mustiala Fenniæ.

4. **Trichosporium apiosporum** (B. et Br.) Mass. Journ. Myc. 1889, p. 186, 7406
t. XIV, f. 5, *Reticularia* B. et Br., Syll. VII, 1. n. 1427. — La-
te effusum, fulvum; hyphis agglutinatis in fasciculos dendritice ra-
diantes; conidiis ex apice subpiriformi ramulorum oriundis, elli-
psoideis, minute verrucosis, subhyalinis, 8-9 \approx 5.

Hab. in ligno emortuo, Ceylon, Carolina. — «An, ob colorem
lætum, potius *Sporotrichi* species?»

5. **Trichosporium Curtisii** Mass. Journ. Myc. 1889, pag. 185, t. XIV, 7407
f. 3, *Reticularia affinis* B. et C., *R. atro-fusca* B. et C., *R. ver-
ruculosa* B. et C. — Syll. VII, 1, n. 1426, 1428, 1433. — Late

effusum, compactum, atro-purpureum, subinde brunnescens; hyphis pallidis, septatis, ramosis, anastomatico-connexis; conidiis copiosissimis late ellipsoideis, magnitudine sat variis, levibus, purpureo-brunneis, $5 \approx 3,5-4$.

Hab. in corticibus, lignis, muscis in Carolina, Cuba, Ceylon.

6. **Trichosporium pyrrosporum** (Berk.) Mass. Journ. myc. 1889, p. 185, 7408 t. XIV, f. 4, *Reticularia* Berk., Syll. VII, 1, n. 1432. — Effusum, pulvinatum, compactum, rufo-brunneum; hyphis 2-2,5 μ . cr., pallide flavis, septatis; conidiis copiosissimis, in ramulis lateralibus brevibus acrogenis, globosis, læte brunneis, levibus, crasse tunica-tis, 6-7 μ . diam.

Hab. in arboribus emortuis et ins. Mauritii et Cuba.

7. **Trichosporium Fiedleri** (Rab.) Sacc. *Sporotrichum Fiedleri* Ra- 7109 benh. in Bot. Zeit. 1851, p. 669. — Effusum, tenue, olivaceo-nigrum; hyphis flexuoso-torulosis, ramosis, umbrinis, obscure septatis; conidiis rotundis, demum ovoideis, basi apiculatis (quasi substipitatis) sæpius 1-guttulatis, episporio crassiusculo, glabro, vix colorato.

Hab. in Germania (FIEDLER).

8. **Trichosporium bicolor** Karst. et Har. Rev. myc. 1890, n. 47. — 7410 Cæspitibus gregariis, sæpe confluentibus, orbicularibus, densis fuscis, 2-4 μ . latis; hyphis ramosis, articulatis, fuligineis, diaphanis-que (sub lente), 3-4 μ . crassis; conidiis ellipsoideis, hyalinis 10 \approx 5.

Hab. ad ramos dejectos, Taurini Ital. bor. (DE NOTARIS).

9. **Trichosporium heteronemum** Passer. Diagn. F. N. IV, n. 134. — Ef- 7411 fusum, olivaceum; hyphis filiformibus, decumbentibus vage ramosis, ramis plerisque longe assurgentibus, crassitie varia, plus minusve crebre septatis, fuligineis, immixtis aliis tenuioribus hyalinis; conidiis globosis vel ovalibus, fuligineis, 2,5-3 μ . diam. vel 5 \approx 2,5.

Hab. in foliis languidis Cycadis revolutæ in horto botanico Parma Ital. bor.

10. **Trichosporium selenioides** Sacc. et Paol. Myc. Malac. n. 119, 7412 tab. III, f. 8. — Atrum, effusum, parasiticum (semper?) laxum; hyphis filiformibus, parce ramosis, intricatis, continuis, repentibus, pallide brunneis, 2-3 μ . crassis; conidiis prædistinctis, hinc inde inspersis, reniformi-semilunatis, utrinque acutiusculis, 18-20 \approx 15, opace fuligineis.

Hab. in culmis (?) putridis præcipue super hyphas *Podosporii* cujusdam, Malacca (SCORTECHINI).

11. **Trichosporium tortuosum** Karst. Symb. XIX, p. 90. — Effusum, 7413

fuscum, crustam velutinam sistens; hyphis filiformibus, ramosis, creberrime subtortuoso-constrictis, dilute fuligineis v. fuscidulis, diaphanis (sub micr.), 4-6 μ . cr.; conidiis ovoideis, levibus, dilute fuligineis, 6 \approx 4.

Hab. in foliis Caricis digitatæ in ditone mustialensi Fenniæ.

12. **Trichosporium chordaceum** Passer. Diagn. F. N. IV, n. 94. — 7414

Cæspitulis subglobosis atris gregariis, vel effusum; hyphis vage ramosis, fusciscentibus, pellucidis, articulatis; conidiis ovalibus vel elongatis, levibus, fuligineis, tandem atris, 7,5-10 \times 3, intus binucleatis, semper continuis.

Hab. in chorda cannabina putrescente in horto botanico, Parma in Italia boreali.

13. **Trichosporium effusum** (Corda) Sacc. — Syll. IV, pag. 294. — 7415

* **T. binucleatum** Karst. Hedw. 1890, p. 272. — Effusum, tenuissimum, atratum, subpulveraceum; hyphis vage ramosis, articulatis, fuscis (hyalinis vel dilute fuligineis sub micr.), 3-5 μ . crassis; conidiis ovalibus, 2-guttulatis, fuscis impellucidisque (sub lente), 9-11 \approx 5-6.

Hab. in charta putrescente prope Mustiala Fenniæ.

14. **Trichosporium contaminans** Oudem. Contr. Myc. Pays-bas XI, 7416

p. 49. — Effusum, brunneo-atrum v. nigricans, adpressum; hyphis repentibus, septatis, longissimis, vage ramosis, 3-5 μ . cr., ramulis brevibus, lateralibus fertilibus instructis; conidiis sphæroideis, uno polo levissime apiculatis, 2,5-4-3 μ . diam., brunneis, in apice ramulorum congregatis.

Hab. ad muros, truncos etc. circa opificia distillatoria Juniperi, Schiedam Nederlandiæ. Respondet, quoad biologiam, *Torulæ compniacensi*, quæ, ut notum est, velamine nigro fere totam urbem Cognac obtegit.

15. **Trichosporium umbrinum** Link. Cfr. Grev. XVII, p. 3 et Gardn. 7417

Chron. — Hyphis ramosis, badio-brunneis, stratum densum longe et late effusum formantibus; conidiis globosis levibus, brunneis, 12-14 μ . diam.

Hab. ad ollas (quas investit) plantarum cultarum in Britannia.

RHINOCLADIUM Sacc. et Malbr. Syll. IV, p. 295.

1. **Rhinocladium macrosporum** Karst Symb. Myc. XXVI, p. 31. — 7418

Effusum, tomentellum, fulvo-testaceum; hyphis flexuosis dichotome ramosis, articulatis, erectis vel adscendentibus, hyalinis (sub micr.),

10 μ . cr.; conidiis sphæroideo-ellipsoideis, punctatis, flavidis (sub micr.), ex hypharum denticulis oriundis et his diu hærentibus, 10-21 \approx 12-14.

Hab. in cortice et thallo Parmeliæ vetusto ad Mustiala Fenniæ.

CAMPSOTRICHUM Ehrenb. — Sacc. Syll. IV, p. 295.

1. **Campsotrichum Eugeniæ** Pat. Journ. Bot. 1890, p. 66 cum icone. 7419

— Maculis orbicularibus, fulvo-brunneis, usque ad 1 cm. diam., villosis; mycelio in folii parenchymate repente; hyphis sterilibus brunneis, septatis, apice obtusis et pallidioribus, $\frac{1}{2}$ - $\frac{3}{4}$ mm. long., 8-10 μ . cr.; hyphis fertilibus flavidis, gracilibus, septatis, ramosis; conidiis globosis, levibus, stipitatis, fulvis, 14-15 μ . diam. a mycelio septo divisis.

Hab. in utraque pagina foliorum Eugeniæ sp. in silva pr. Fu-Phap Tonkin.

GLENOSPORA B. et Curt. — Sacc. Syll. IV, p. 299.

1. **Glenospora? microspora** Speg. F. Guar. II, n. 187. — Cæspitulis 7420

ellipticis pulvinatulis, majusculis; confertiusculis mox collabescenti-confluentibus ac sæpe totam matricem crusta granulosa sordide olivacea obtegentibus; hyphis sterilibus repentibus dense intricato-ramosis, septulatis 4-5 μ . crass. olivaceis, hinc inde ramulos assurgentes fertiles emittentibus; ramulis fertilibus hyalinis laxè noduloso-denticulatis, gracilibus mox mucoso-diffluentibus; conidiis e denticulis ramulorum fertilium oriundis ellipticis v. ovoideis, utrinque obtusis 9-11 \approx 6-8, granuloso-farctis, olivaceis mucos ramulorum immixtis hyphasque incrustantibus.

Hab. ad folia dejecta putrescentia Palmæ, vulgo *Bocayá* vocatæ, prope Guarapí Brasilæ.

CORDELLA Speg. Guar. I, p. 163. (Etym. ab ill. A. C. J. CORDA). —

Hyphæ fuscæ, biformes; steriles elongatæ, fertiles breves v. vix evolutæ, monosporæ, omnes e strato prolifero tenuissimo, contextu parum distincto donato, submucedineo oriundæ. Conidia globosa v. ellipsoidea, fuliginea, simplicia, in hyphis fertilibus acrogena. — Genus habitum *Torulæ* v. *Helminthosporii* eximie referens.

1. **Cordella spinulosa** Speg. Guar. I, p. 163. — Cæspitulis hispidov- 7421

velutinis, ozoniaceis, latissime effusis, superficialibus, matrici arte adnatis, fuligineo-atris; hyphis e strato prolifero crassiusculo,

indistincte parenchymatico oriundis, sterilibus densissimis, gracilibus, longissimis, 500-800 \approx 3, erectis, rectis v. vix flexuosis, densiuscule septulatis, olivaceo-fuligineis, apice subclavulatis, obtusissimis, 5-8 μ . cr. atque pallidioribus; fertilibus numerosis, brevissimis, cylindraceo-flexuosis, continuis, apice obtusis, 18-20 \approx 2,5, obscure fumosis; conidiis ellipticis v. ovoideis, rectis vel navicularibus, utrinque acutis sæpeque subapiculatis, 18-20 \approx 13-15, non v. grosse 1-guttulatis, levibus, opace fuligineis.

Hab. ad cortices ramorum truncorumque putrescentes pr. Guarapî Brasiliæ.

2. **Cordella tomentosa** Speg. F. Guar. VI, n. 190. — Cæspitulis irregulariter lateque effusis sæpe totam matricem obtegentibus tenuibus, olivaceis e pulverulento tomentosus; strato proligero v. epidochio carnosulo-membranaceo effuso olivaceo contextu indistincto, ubique hyphis sterilibus, erectis, 150-200 \approx 5-10, flaccidulis 3-5-septatis sæpe hinc inde torulosis, articulis alternatim in sicco laminari-compressis, apice obtusis rarius subcircinatis non v. præcipue apicem versus sparse verruculosus pallide olivaceis pellucidis vestito; sterigmatibus crasse brevissimeque papillæformibus ad basin hypharum sterilium exsurgentibus, fuscidulis, monosporis; conidiis obovatis v. grosse 1-guttulatis, minute denseque verruculosus, opace fuligineis.

Hab. ad ramos emortuos putrescentes in silvis prope Callepoi et Yaguaron Brasiliæ.

3. **Cordella chætomioides** Speg. F. Fueg. n. 445. — Cæspitulis hinc inde sparsis majusculis 1 mm. d. laxè villosulis, olivaceis; hyphis sterilibus erectis flexuosulis longiusculis ac crassiusculis 200-950 \approx 5-10, apice obtusis parce septatis, olivaceis; hyphis fertilibus sterilibus intermixtis, vix papillulato-prominulis, stratum proligerum tenuissimum submucoso-membranaceum efficientibus; conidiis globosis 12-15 μ . diam., in sicco sæpius dimidiato-collabascentibus, grosse 1-guttulatis, densissime minuteque asperulis subopace fuligineis.

Hab. ad folia Mayteni ac graminacearum coacervata et putrescentia in silvis prope Shammacus Fuegiæ. — Pulvinuli primo intuitu pro *Chætomio* quodam facillime sumendi, lente tamen inspecti mox dignoscendi.

4. **Cordella coniosporioides** Speg. Guar. I, p. 163. — Acervulis superficialibus linearibus, sæpe longissimis ac dense aggregatis, atro-subvelutinis; hyphis sterilibus numerosissimis densissimisque, conoideo-elongatis, 15-24 \approx 1,5-4, continuis, sæpe flexuosulis, obtusis, fu-

ligineo-atris, pellucidis; fertilibus parcissimis, sparsis, minutis, globosis v. subangulosis, 5-8 μ . diam., levibus, hyalinis v. fuscidulis, 1-sporis; conidiis globosis, 11-17 μ . diam., rarius obtusis angulosis, episporio tenui, levibus, obscure fuligineis, nubilosis, pellucidis.

Hab. ad folia et culmos dejectos putrescentes *Bambusæ* sp. cujusdam pr. Guarapî et Caà-guazù Brasilæ.

Trib. 6. Monotosporeæ Sacc.

MONOTOSPORA Corda — Sacc. Syll. IV, p. 299.

1. **Monotospora asperospora** Cooke et Mass. Grev. XVI, p. 79. — 7425
Effusa, nigra, velutina; hyphis fertilibus erectis, brevibus, e basi discoidea supra attenuatis, continuis, opace atro-brunneis, sursum pallidioribus; conidiis globosis, minute verrucosis, brunneis, 24-28 μ . diam.

Hab. in sarmentis emortuis *Clematidis*, Shere Britannicæ.

HADROTRICHUM Fuck. — Sacc. Syll. IV, p. 301.

1. **Hadrotrichum arundinaceum** Cooke et Mass. Grev. XVI, p. 11. — 7426
Atrum, initio minute hemisphærico-pulvinatum, denique confluen- do effusum, velutinum; hyphis sterilibus ramosis, septatis, repen- tibus, fuligineis; fertilibus erectis, simplicibus, apice conidium sin- gulum subglobosum opacum, subnigrum, 30 μ . diam. gerentibus.

Hab. in *Arundine* conspicua emortua, Kew London Bri- tannicæ.

ACREMONIELLA Sacc. Syll. IV, p. 302.

1. **Acremoniella pallida** Cooke et Mass. Grev. XVI, p. 79. — Subeffu- 7427
sa, maculas pallidas in foliis emortuis formans; mycelio repente, hyalino, hyphis fertilibus brevibus, erectis, septatis, hyalinis, ramu- los laterales breves, acuminatos emittentibus; conidiis terminalibus, ovoideis, continuis, pallide brunneis, 30-35 \approx 25.

Hab. in foliis emortuis (*Ulm*i?), Eastbourne Britannicæ (C. J. MULLER).

Trib. 7. Haplographiæ Sacc.

HAPLOGRAPHIUM B. et Br. — Sacc. Syll. IV, p. 304.

1. **Haplographium olivaceum** Cooke et Mass. Grev. XVI, p. 11. — 428

Subeffusum, atro-olivaceum, subnigrum; hyphis erectis, septatis, simplicibus atris, apice leviter clavatis, pallidioribus; conidiis anguste ellipsoideis, simplicibus, catenulatis, 12-14 \approx 4, pallide olivaceis, capitulum subglobosum, laxiusculum formantibus.

Hab. in ligno putrescente, Isleworth Britannia.

2. **Haplographium penicillioides** Fautrey Rev. Myc. 1890, p. 68. — 7429

Hyphis fertilibus basi fasciculatis, simplicibus, rigidis, septatis, nigricantibus, sursum subhyalinis et in ramos breves, erectos divis; conidiis globoso-ellipsoideis catenulatis, hyalinis in ramulis acrogenis et capitulum formantibus.

Hab. in acubus vetustis Abietis excelsæ in silvis Charny Côte-d'Or Gallia.

3. **Haplographium griseum** E. et Lang. Journ. Myc. 1888, p. 124. — 7430

Effusum, sordide griseum; hyphis fertilibus subfasciculatis v. solitariis, pallide brunneis, tenuiter septatis, 150-200 \approx 4, simplicibus v. passim furcatis supra medium subdichotomeramosis, ramis erectis densis, capitulum 30 μ . long. formantibus; conidiis terminalibus, oblongis, hyalinis, 4-5 \approx 1,5.

Hab. in culmis zeinis, Pointe à la Hache La. Amer. bor. (LANGLOIS). — Cl. Trail in Trans. Crypt. Soc. Scot. 1888, p. 75, me jam præsagiente, genus *Haplotrichum* divellit in tria sequentia: I. *Haplotrichum* B. et Br. Hyphæ apice indivisæ v. parce ramulosæ. Conidia hyalina (*H. delicatum*, *H. tenuissimum* etc.). — II. *Graphiopsis* Trail. Hyphæ ut supra. Conidia fusca (*G. chlorocephala* etc.). — III. *Rhipidocephalum* Trail. Hyphæ apice basidiis ter penicillatim fasciculato-ramosis coronatæ. Conidia hyalina (*R. bicolor*).

DEMATIUM Pers. — Sacc. Syll. IV, p. 308.

I. *Eu-Dematium*.

1. **Dematium hispidulum** (Pers.) Fr. Syll. IV, p. 308 — ***D. brunneum** 7431

Karst. Symb. XIX, p. 91. — Cæspitulis hemisphæricis v. oblongatis, sparsis, gregariis, subinde confluentibus, setulosis, brunneis v. fuscis, usque ad 1 mm. lat.; hyphis simplicibus, strictis, articulatis, dilute fuligineis et pellucidis (sub lente), sursum leviter attenuatis nudis pallidioribus, 500 \approx 5-6; conidiis sphæroideis, denique minute asperulis, fuligineis et diaphanis (sub lente), 9-13 μ . diam.

Hab. in culmis foliisque Scirpi lacustris prope Mustiala Fennia.

2. **Dematium asperum** (Rabenh.) Sacc. *Sporodum* Rab. Bot. Zeit. 7432 1854, p. 190. — Cæspitosum, fusco-atrum; hyphis ascendentibus v. erectis, longissimis, simplicibus, fuscis, septatis, 18-20 μ . cr., conidiorum catenis ad basin lateralibus, 5-6-geniculatis, 24 μ . cr., conidio terminali aspero, crasso, fusco, 36 μ . diam.
Hab. ad folia graminum majorum in Saxonia. — « Si mensuræ conidiorum exactæ, certe species distincta ».
3. **Dematium dimorphum** Karst. Symb. XIX, p. 91. — Cæspitulis striiformibus, confluentibus, atris; hyphis sterilibus repentibus, parvis; fertilibus erectis, simplicibus v. parce ramosis, septatis, fuligineis, subimpellucidis (sub lente), 3-6 μ . cr.; conidiis aliis ex hypharum articulis apicalibus mutatis formatis, ellipsoideo- v. oblongato- v. elongato-fusoideis, fuligineis, 15-22 \approx 7, aliis pleurogenis, sphæroidis, impellucidis, 9-10 μ . diam.
Hab. in ligno secto Pini silvestris prope pagum Marttila par. Tammela Fennia. — Statum conidicum *Roselliniæ abietinæ* forte sistit.
4. **Dematium parasiticum** Peck 43 Rep. p. 30, t. III, f. 14-18. — 7434
 Hyphis fertilibus erectis, simplicibus v. subramosis, septatis, coloratis, conidiorum catenas apicales et laterales gerentibus; conidiis subellipsoideis v. citriformibus, uno apice v. utrinque acuminatis, coloratis, 10-12,5 \approx 5-6,5.
Hab. parasiticum in Hydno quodam (an *H. carbonario?*), Rainbow Amer. bor.

II. *Conoplea* Pers. Hyphæ in sporodochium fere compactæ.

5. **Dematium cinereum** (Pers.) Sacc. *Conoplea* Pers. M. E. I, p. 12, 7435 Fr. S. M. III, p. 491. — Cæspitulis v. tuberculis depressis, primo extus cinereo-pruinosis, valde compactis, dein pruinâ evanidâ, fusco-nigris; conidiis oblongis, Torulæ instar concatenatis.
Hab. ad truncos vetustos cariosos Salicum pr. Lund (FRIES), in Italia (MICHELI) et Gallia (PERSON). — Hæc species et duæ sequentes, ceterum obscurissimæ, hyphis compactis, a *Dematio* typico differunt et ad *Tubercularieas dematiæas*, ubi melius cognitæ, transferendæ videntur.
6. **Dematium sphæricum** Pers. Obs. I, p. 25, *Conoplea olivacea* Pers. 7436 Syn. p. 234, Fr. S. M. III, p. 491. — Cæspitulis v. tuberculis sphæricis, extus per epidermidem erumpentibus, extus olivaceo-pruinosis, intus nigricantibus; conidiis ovoideis,

Hab. ad ramos emortuos v. frigore necatos Fagi et Syringæ in Germania et Suecia.

7. **Dematium fuscum** (Pers.) Sacc., *Conoplea* Pers. M. E. I, p. 12, 7437
Fr. S. M. III, p. 491. — Cæspitulis v. tuberculis fuscis subrotundis, passim confluentibus, extus fusco-pruinosis; conidiis subrotundo-ovalibus.

Hab. ad ramos siccos in Germania et Suecia.

HORMODENDRUM Bon. — Sacc. Syll. IV, p. 310.

1. **Hormodendrum divaricatum** Ell. et Langl. Journ. Myc. 1890, p. 35. 7438
— Cæspitulis laxis sparsis; hyphis fertilibus mox opacis, erectis v. effusis, 80-150 \times 4-5, divaricato-ramosis, ramis paucis rectangulo-patulis, articulato-constrictis inque conidia subelliptica v. limoniformia, opaca, 7-12 \approx 6-7 abeuntibus.

Hab. in lignis putridis St. Martin's County La. Amer. bor. (LANGLOIS). — Conidium apicale subglobosum, inferiora oblonga.

2. **Hormodendrum nigro-album** Cost. et Roll. Bull. Soc. Bot. Fr. 1888, 7439
p. 302. — Mycelio decolorato; hyphis fertilibus erectis, irregulariter ramosis, brunneo-nigricantibus, basi 3-4 μ . cr. apicem versus sensim attenuatis, ramulis ultimis copiose divisis, 0,5-1 μ . cr., conidiorum catenulas simplices v. ramosas gerentibus; conidiis hyalinis, rotundatis, ovoideis v. bacillaribus, 1 μ . diam. v. 4 \approx 1.

Hab. in excrementis Galli pr. Paris Galliaë.

Trib. 8. Sarcopodieæ SACC.

SARCOPODIUM Ehrenb. — Sacc. Syll. IV, p. 312.

1. **Sarcopodium salicellum** Sacc. Cfr. Fuck. Symb. myc. App. II, p. 62. 7440
— Cæspitulis adnatis, primo convexulis, 2-4 mm. lat. sæpe confluentibus, orbicularibus oblongisve, totis tomentosis, albis rubellisve, demum planis et disco flavescente, levi, glabro, liberato; conidiis in sporophorum simplicium densissime verticaliter dispositorum apicibus ortis, cylindræis, rectis continuis, 8 \approx 2.

Hab. in ramis putrescentibus Salicis in Rhenogovia, socio *Helotio salicello*, cujus est status conidiophorus.

2. **Sarcopodium variegatum** Fuck. Symb. mycol. App. III, p. 31. — 7441
A præcedente differt cæspitulis plerumque magis effusis confluentibusque, tomento saturatiore rubello-fusco, margine albo; conidiis angustioribus, 7-8 \approx 1.

Hab. in truncis putridis Fraxini, in Rhenogovia, sociâ *Dasycephâ variegatâ*, cujus est status conidiophorus.

HELICOTRICHUM Nees — Sacc. Syll. IV, p. 313.

1. **Helicotrichum olivaceum** Speg. F. Puigg. n. 457. — Cæspitulis 7142 compactiusculis irregulariter lateque 1-10 mm. effusis, applanatis; maculiformibus, olivaceis; hyphis dense constipatis deorsum opacis erectis apice plus minusve circinatis 50-80 \approx 3-4 pellucidis fusco-olivaceis v. subfuliginis, levissimis; conidiis e strato proligero tenuissimo fusco inter bases hypharum oriundis e cylindræo fusoidis 12 \approx 1,5 apice acutiusculis, basi subtruncatis, continuis hyalinis.

Hab. ad folia dejecta putrescentia Drymidis speciei cujusdam in nemorosis prope Apiaty Brasiliæ.

2. **Helicotrichum murinum** (Desm.) Sacc. *Circinotr. murinum* Desm. 7443 XXII Not. p. 3. — Hypo- raro epiphyllum; cæspitulis minutis, sparsis, irregulariter rotundatis v. oblongis, murinis dein subnigris, opacis; hyphis simplicibus circinato-intortis, subimpellucidis, contiguis v. longe septatis 50-75 \approx 5; conidiis in stratum album ad basin hypharum accumulatis, hyalinis rectis sublinearibus utrinque acutis, 15 \approx 1,6.

Hab. in foliis vetustis Platani in Gallia bor. — «Vix vel non diversum ab *Helicotricho obscuro*».

ELLISIELLA Sacc. Syll. IV, p. 415.

1. **Ellisiella Ari** Passer. Diagn. F. N. IV, n. 135. — Maculis discoideis 7444 exaridis fusco-marginatis sparsis vel confluentibus; cæspitulis amphigenis, punctiformibus, atris, centralibus v. circinnantibus; hyphis sterilibus fuscis erectis sursum attenuatis et pallidioribus, continuis, 60-100 μ . long.; conidiis elongatis hyalinis, rectis vel leniter curvis, utrinque muticis, continuis, 15-18 \approx 5-6; basidiis non visis.

Hab. in foliis languidis Ari italici, in horto botanico Parma.

STEIROCHÆTE A. Br. et Casp. — Syll. IV, p. 316. — Verisimiliter totum genus cum *Colletotricho* confluit.

1. **Steirochæte Solani** Casp. in Klot. Hb. Myc. 1980, Bot. Zeit. 1855, 7445 p. 300 (absque diagnosi).

Hab. in caule Solani tuberosi in Germania. — «An eadem ac *Vermicularia maculans*?»

Trib. 9. Myxotricheæ SACC.

BOLACOTRICHA B. et Br. — Sacc. Syll. IV, p. 316.1. **Bolacotricha lignorum** Fautr. et Roum. Rev. Myc. 1892, p. 10. — 7446

Hyphis longis, 4 μ . cr., simplicibus, apice circinatis, coloratis; conidiis globulosis, 12-16 μ . diam., subhyalinis, verruculosis.

Hab. in assere quercino putri, Noidan, Côte-d'Or Galliæ.

MYXOTRICHUM Kunze — Sacc. Syll. IV, p. 317. — Genus ex elementis variis compositum, ad interim hic servatum. Primus monui (1881) species quasdam hujus generis *vesiculis suboctosporis* polere, hinc principio ad *Mucoraceas*, demum vero et rectius ad *Gymnoascaceas* referendas esse putavi (Cfr. Syll. IV, p. 317 et VIII, p. 812 et 823). Nonnullæ vero species ascis destitutæ sunt et ad Hyphomyceteas spectant. Qua de causa necessarium videtur pristinum genus in duo divellere; nempe: I. *Myxotrichum* Kunze ascis præditum e Gymnoascaceis (*M. coprogenum*, *M. chartarum*, *M. æruginosum* etc.); II. *Myxotrichella* Sacc. ascis destituta et ad Hyphomyceteas partinens (*M. spelæa*, *M. murorum*, *M. rara* etc.).

1. **Myxotrichum coprogenum** Sacc. Syll. IV, p. 319 — var. **malacense** 7447

Sacc. et Paol. Myc. Malac. n. 120. — A typo differt sporidiis paullo majoribus, nempe 5 μ . diam., 4 μ . e latere crassis; ascis 10 μ . diam.

Hab. in fimo gallinaceo, Malacca (SCORTECHINI).

Trib. 10. Chloridieæ SACC.

CHLORIDIUM Link — Sacc. Syll. IV, p. 320.1. **Chloridium glaucum** E. et E. Journ. Myc. 1888, p. 113. — Effusum, 7448

glaucum, dein olivaceo-brunneum, velutinum; hyphis fasciculatis, 75-100 \approx 2,5-3, tenuiter septatis, simplicibus v. parce ramosis, sursum curvatis, pallidioribus et minute spiculoso-denticulatis; conidiis minutis, obovatis vel ellipsoideis, solitarie acro-pleurogenis, 3-3,5 \approx 2,

Hab. in ramis quercinis dejectis, Newfield N. J. Amer. bor.

2. **Chloridium atrum** Corda Ic. I, p. 17, fig. 225. — Cæspitulis elon- 7449

gatis, tomentosis, atris; hyphis subulatis, simplicissimis, flexuosis, impellucidis; conidiis elongatis utrinque rotundatis, cinereis semi-pellucidis,

Hab. in ligno putrido pr. Prag Bohemiæ. — Ab hoc certe differt *Chl.? atrum* Kunze Flora 1830, p. 370 ita descriptum: effusum, hyphis minutissimis pellucidis, conidiis numerosis globosis, atris. In Arundine Donace in insula Madera. «Species hæc postrema omnino dubia».

3. **Chloridium micans** Karst. Symb. Myc. Fenn. XXVII, pag. 35. — 7450
Cæspitulis effusis, griseo-fuscis; hyphis fertilibus erectis vel assurgentibus, simplicibus, parce septulatis, dilute fuligineis semipellucidisque (sub micr.), compressis, hinc inde isthmoideo-contractis, 2-3 mm. altis, usque ad 14 μ . cr., apice pallidioribus sæpeque ramulis brevibus, teneris hyalinis instructis; conidiis terminalibus, accumulatis albidis, ellipsoideo-sphæroideis, 9-11 \approx 8-9.

Hab. in foliis putridis Iridis Pseudacori, Kojo prope Tamela Fennicæ. — Hyphæ luce refracta cupreo- et æneo-micantes.

VERTICICLADIUM Preuss — Sacc. Syll. IV, p. 327.

1. **Verticicladium acuum** Oud. Contr. Flor. Myc. Pays-Bas XI, p. 50. 7451
— Hyphis erectis articulatis, deorsum saturate fuscis, sursum dilutius tinctis, apice hyalinis, nunc brevioribus, 235 \approx 12, tunc vero elatioribus, infra apicem verticillis binis ramorum ternorum alternantium conidiferorum onustis; ramis conidiferis piriformibus, sursum valde contractis; conidiis hyalinis, ellipticis, 2 $\frac{1}{3}$ \approx 1 $\frac{1}{5}$.

Hab. in foliis Abietis excelsæ, sociâ *Vermiculariâ acuum*, Putten Hollandiæ.

GONYTRICHUM Nees — Sacc. Syll. IV, p. 329.

1. **Gonytrichum rubrum** Pat. Bull. Soc. Myc. 1891, p. 181. — Cæspitulis sparsis, minutis, intense rubris, velutinis; hyphis rigidiusculis, ramosis, rufis, 4 μ . cr. septatis; basidiis verticillatis, hyalinis, subulatis, inferne inflatis, 13-15 \approx 3; conidiis apicalibus, solitariis, pallidissime fulventibus, ovoideis, 1-guttulatis, 3-4 \approx 2,5.

Hab. in radicibus putridis Anemones coronariæ, Quito Amer. merid. — A *G. cæsius* colore præcipue differt.

2. **Gonytrichum fulvum** Ellis N. Am. Fungi n. 657 (absque diagnosi). 7453

Hab. in foliis et culmis Andropogonis, Newfield N. J. Amer. bor. — Mihi videtur idem ac *G. gilvum*, sed conidia non vidi.

Trib. 11. Stachylidiæ Sacc.

STACHYLIDIUM Link — Sacc. Syll. IV, p. 331.

1. **Stachylidium Sambuci** Rich. Cat. Champ. Marn, n. 1987. — Hyphis 7454

erectis, basi brunneis, sursum incoloribus verticillato-ramosis, ramulis acutis apice conidia glomerulata, ovoidea, hyalina ferentibus.

Hab. in ramis decorticatis Sambuci nigræ, St. Amand Marne Galliæ.

CHALARA Corda — Sacc. Syll. IV, p. 333.

1. **Chalara Rubi** Sacc. et Briard in Rev. Myc. 1886. — Hyphis cylindraceis, medio subinflatis, 80-100 \times 8-10, brunneis, 3-4-septatis; conidiis catenulatis, cylindricis, 4-guttatis, truncatis, 18-20 \approx 5-6.

Hab. in sarmentis Rubi, Troyes Galliæ.

2. **Chalara paradoxa** (De Seynes) Sacc. *Sporoschisma paradoxum* 7456

De Seynes Rech. Veget. Inf. III, p. 30, t. I, f. 22-24. — Mycelio repente, septato, hyalino; hyphis fertilibus erectis, cylindraco-obclavatis, dilute rufo-fuligineis, deorsum 3-4-septatis 100-150 \approx 5; conidiis ex interiore hyphæ catenulatim exsurgentibus, breve cylindracois, utrinque obtusis, 6-10 \approx 4-5, hyalinis; hyphis alteris fertilibus ex eodem mycelio (teste Seynesio) oriundis, paullo brevioribus, non inflatis, subhyalinis, apice conidia oblongo-ovoidea, utrinque obtusa, catenulata, 18 \approx 8-9, olivaceo-fuliginea, uniguttata gerentibus.

Hab. in fructibus putrescentibus Ananassæ cultæ, Paris Galliæ. — «*Ch. brachysporæ* peraffinis species; an forma toruloidea ex eodem *Chalaræ* mycelio oriatur, mirum videtur».

3. **Chalara cylindrica** Karst. Symb. XX, p. 108. — Effusa, subvelutina, tenuis, fusca; hyphis sterilibus repentibus, ramosis, dilutissime fuligineis, pellucidis, 4 μ . cr., fertilibus erectiusculis, flexuosis, dense aggregatis, æqualibus, pluriseptatis (septis circ. 10), fuligineis diaphanisque (sub lente), 75-90 \approx 5; conidiis ex apice hypharum conoideo, hyalino exsurgentibus, catenulatis, cylindracois, 2-guttulatis, hyalinis, 3-6 \approx 1.

Hab. in pagina inferiore squamarum exsiccatarum Abietis excelsæ prope Villnäs par. Lemo Fenniæ.

Sect. 2. Didymosporæ SACC.

Subsect. 1. Micronemeæ SACC.

Trib. 1. Bisporeæ SACC.

DICOCCUM Corda — Sacc. Syll. IV, p. 342.

1. **Diccoccum lathyrinum** Ell. et Gall. Journ. Myc. 1889, pag. 65. — 7458

Cæspitulis parvis, subconfluentibus, castaneis, velutinis, hypophyllis, 2-3 mm. lat., folii venulis limitatis, maculis definitis non insidentibus; conidiis oblongis, 1-septatis, leniter constrictis, rectis, olivaceis, 20-22 \approx 7-8.

Hab. ad folia viva *Lathyri ochroleuci*, Highwood Canon in montibus Highwood, Montana Amer. bor.

2. **Dicoccum pulcrum** Thum. Myc. Univ. 1878, Rev. Myc. 1879, p. 11. 7459
— Acervulis amphigenis, atris, in pagina superiore maculas effusas, velutinas, nitidas, non limitatas, in pagina inferiore soros minores plerumque nervos sequentes formans; conidiis simplicibus didymis tridymisque, ellipsoideis vel ovoideis vel interdum curvato-lunulatis, 20 \approx 10, raro globosis 10 μ . diam., badiis, episporio tenui, diaphano.

Hab. in foliis vivis *Soymidæ rhopalifoliæ* ad fl. Amotmul pr. Djur Afric. trop. (SCHWEINFURTH).

3. **Dicoccum microscopicum** Karst. Symb. XIX, pag. 91. — Conidiis 7460 oblongatis utrinque obtusissimis, crasse 1-2-septatis, vix vel non constrictis, in acervulos irregulariter dehiscentibus conjunctis, dilutissime fuligineis, diaphanis (sub lente), 9-15 \approx 4-5.

Hab. supra *Dematium dimorphum* pr. Tammela Fennicæ.

CYCLOCONIUM Cast. — Sacc. Syll. IV, p. 343.

1. **Cycloconium oleaginum** Cast. Cat. Marseill. pag. 220, t. VI, Sacc. 7461 Syll. IV, pag. 343.

Hab. in foliis *Oleæ europææ*, cui noxium, in Gallia et Italia merid. (KRUCH). — Cfr. Boyer in Journ. bot. 1891, p. 434, cum iconibus optimis. — Conidia ovato-oblonga 1-septata, leviter constricta, 17-25 \approx 11, sporophoro brevi, sæpius inflato-vesiculoso suffulta et e mycelio subcuticulari repente radiante oriunda. — *Cycloconium* a gen. *Dicocco* forte non satis differt. Cl. Castagne *oleaginum* recte scripsit, nec *elæoginum* ut Thümen et ego ipse loc. cit.

BISPORA Corda — Sacc. Syll. IV, p. 343.

1. **Bispora effusa** Peck 44 Rep. pag. 27, t. IV, f. 15-17. — Effusa, 7462 nigra, velutina; hyphis erectis, simplicibus, coloratis, in catenas conidiorum abeuntibus; conidiis oblongis, 1-septatis, leviter constrictis, 12-15 \approx 4-5.

Hab. in ligno decorticato *Aceris saccharini*, Adirondack Mount. Amer. bor.

Subsect. 2. Macronemeæ SACC.*Trib. 2. Cladosporiæ* SACC.**PASSALORA** Fr. et Mont. — Sacc. Syll. IV, p. 344.

1. **Passalora Protearum** Kalch. et Cooke in Grev. XIX, pag. 6. — 7463
Epiphylla; maculis irregularibus, sordidis; hyphis fasciculatis, brevibus; conidiis subfusoides, acrogenis, 1-septatis, loculo superiori crassioribus, pallidis, 35-40 \approx 7.

Hab. in foliis *Proteæ* argenteæ ad Caput Bonæ Spei Africæ austr.

FUSICLADIUM Bon. — Sacc. Syll. IV, p. 345.

1. **Fusicladium bicolor** C. Mass. Contr. Mic. Ver. p. 115, t. IV, f. 28. 7464
— Cæspitulis hypophyllis, diffusis; hyphis fertilibus brevissimis, rectis, fusco-fuliginis, continuis, simplicibus, 15-20 \approx 6-9, apice obtusis; conidiis acrogenis (rarissime in hyphis longioribus, scilicet usque ad 25 μ . long., pleuro-acrogenis?), vulgo solitariis, elongato-fusiformibus, 1-septatis, ad septum magis minusve distincte constrictis, 26-38 \approx 8-10, hyalinis, intus multiguttulatis, loculis subinæqualibus.

Hab. in foliis *Chærophylli* hirsuti? in regione montana montis Lobia agri veronensis Ital. bor., sociâ *Phyllostictâ Chærophylli*.

2. **Fusicladium Angelicæ** Ell. et Ev. Proc. Acad. Phil. 1891, p. 87. 7465
— Hyphis hypophyllis, continuis, brunneis, subundulatis, 40-50 \approx 5-6, supra dentatis, basi sclerotioidea insidentibus, demum deciduis; conidiis acrogenis, clavatis, 1-septatis, hyalinis, 30-40 \approx 8-10.

Hab. in foliis vivis *Angelicæ* atropurpureæ, Racine, Wis. Amer. bor. (DAVIS).

3. **Fusicladium punctiforme** Wint. Hedw. 1887, p. 34. — Cæspitulis 7466
hypophyllis, minutissimis, plerumque dense gregariis, maculas minutas, angulatas, a nervis folii limitatas, 0,5-1 mm. lat., sparsas vel gregarias et confluentes, fuliginis, demum cinerescens formantibus, punctiformibus, atris; hyphis fasciculatis, erectis, sæpe flexuosis torulosisque, denticulatis, remote septatis, fuscidulis, usque ad 150 \approx 5; conidiis numerosis, elongato-oblongis vel subcylindraceis, utrinque subattenuatis et rotundatis, medio 1-septatis, vix constrictis, hyalinis, demum dilutissime fuscescentibus, 27-38 \approx 7-9.

Hab. ad folia viva Ziziæ integerrimæ pr. Perryville, Missouri Amer. bor.

4. **Fusicladium brevipes** Ell. et Ever. Journ. Mycol. 1889, p. 69. — 7467

Cæspitulis hypophyllis, parvis, sparsis v. confluentibus, murinis v. fumoso-olivaceis; hyphis e cellulis subovatis, brunneolis, 8-12 = 5 efformatis; conidiis acrogenis, ellipsoideis v. oblongis, 25-35 = 8-11, ochraceo-brunneis, primo continuis, dein 1-2-septatis, longioribus, basi in basim stipitiformem attenuatis.

Hab. in foliis Astragali hypoglottidis, Musie Pass, Sangre de Christo Range, Colorado Amer. bor. (DEMETRIO). — Ad *Cercosporam* vergens.

5. **Fusicladium ascyrinum** Ell. et Ev. Journ. Myc. 1888, pag. 53. — 7468

Cæspitulis nigris, pubescentibus; hyphis in fasciculos valde confertis, erectis, septatis, 75 = 4, subtus subopacis, supra subhyalinis; conidiis solitariis v. 2-3 gregariis, raro breviter catenulatis acrogenis vel subacrogenis, ovato-oblongis, 2-3-guttatis, hyalinis, 16-20 = 4-6.

Hab. in bracteis floralibus et pedunculis Ascyri Crucis-Andrææ, Natchitoches, Louisiana Amer. bor. (LANGLOIS).

6. **Fusicladium caryogenum** Ell. et Langl. Journ. Myc. 1888, p. 124, 7469

— Maculis numerosis, hypophyllis, parvis, 1-5 mm. lat., majoribus irregularibus, subangulosis, centro griseolo-albis, margine purpurascentibus; hyphis simplicibus vel basi subramosis, atro-olivaceis, septatis, 60-75 = 4-5, subæqualibus; conidiis acrogenis, amygdaliformibus, ovatis v. clavato-ovatis, fumoso-olivaceis, 10-15 = 6-7.

Hab. in foliis viventibus Caryæ olivæformis, St. Martinsville Amer. bor. (LANGLOIS).

7. **Fusicladium effusum** Wint. — Syll. IV, p. 346 — var. **carpineum** 7470

Ell. et Ev. Proc. Acad. Phil. 1891, p. 91. — A typo recedit, quia plerumque epiphyllum, colore saturatiore et conidiis paullo minoribus et pallidioribus.

Hab. in foliis vivis Carpini americanæ, London Canada Amer. bor. (DEARNESS).

8. **Fusicladium Livistonæ** Karst. in Hedw. 1891, p. 302. — Cæspi- 7471

tulis punctiformibus, atris; hyphis fasciculatis erectis, ut plurimum flexuosis, levibus, æqualibus, rarius subnodulosis, circ. 8-septatis, brunneis, sursum pallidioribus, usque 130 = 6; conidiis oblongatis, utrinque obtusis, rectis, 1-septatis, hyalinis, 17 = 6.

Hab. in petiolis foliorum Livistonæ sinensis vivorum, Lümatta in regione viburgensi Daniæ (ARTH. THETLEFF).

9. **Fusicladium Sorghi** Pass. in Hedw. 1877, p. 122. — Maculis amphigenis, suborbicularibus, fuscis; hyphis fertilibus brevissimis, assurgentibus, congestis; conidiis subglobosis v. obovatis, continuis. 7472

Hab. in foliis Sorghi halepensis in Italia boreali. — An *Coniosporium* ex ipso auct.?

10. **Fusicladium dubiosum** Speg. Guar. I, p. 164. — Maculis parvulis, 0,5-1,5 mm. diam., orbicularibus v. ellipticis, sæpe confluentelongatis, flavescenti-albis, indeterminatis, sæpius areola rubescenti cinctis, amphigenis; cæspitulis centro macularum insidentibus, dense constipatis, minutissimis, velutinis, olivaceis; hyphis erectis, cylindraceis sæpeque e latere compressis, apice leniter cuneato-acutatis, 40-80 \approx 5, 2-3-septatis, ad septa non v. vix constrictis, sordide obscureque fumosis; conidiis clavulato-piriformibus, 1-septatis, 15 \approx 7, leniter constrictis, loculo supero brevi depresso, obtusissimo, infero conico, triplo longiore, acuto, nubilosis, subhyalinis. 7473

Hab. ad folia viva Digitaliæ sp. cujusdam prope Guarapi Brasiliæ.

11. **Fusicladium Alopecuri** Ell. et Ev. Journ. Myc. 1888, pag. 53. — Cæspitulis compactis, griseolis, dense sparsis; hyphis fumoso-hyalinis, continuis, subtruncatis, supra dentatis, rectis; conidiis clavato-oblongis, olivaceis, granulosis, continuis v. evanide 1-septatis, 20-35 \approx 7-10. 7474

Hab. in apice subemortuo foliorum Alopecuri geniculati, Columbia, Montana Amer. bor. (B. T. GALLOWAY). — *F. fasciculato* valde affine.

12. **Fusicladium destruens** Peck 43 Rep. p. 30, t. III, f. 19-22. — Hyphis breviusculis, 20-50 μ . long., fasciculatis, continuis v. prope basin 1-2-septatis, coloratis, cæspitulos minutos olivaceo-virentes formantibus; conidiis acrogenis continuis vel passim 1-septatis, quandoque subcatenulatis, ellipsoideis vel oblongis, coloratis, 7-20 \approx 5-7. 7475

Hab. in foliis vivis Avenæ sativæ, Sovey Amer. bor.

13. **Fusicladium fuliginosum** Kalch. et Cooke in Grevillea 1884, p. 24. — Effusum, fuliginosum, incrustatum; hyphis repentibus, ramosis, ramulis assurgentibus, brevibus, quandoque furcatis; conidiis fusoides, continuis, hyalinis, 10-12 \approx 4. 7476

Hab. in foliis vivis (ignotæ plantæ), Natali Africæ.

SCOLECOTRICHUM K. et S. — Sacc. Syll. IV, p. 347.

1. **Scolecotrichum melophthorum** Prill. et Delacr. Bull. Soc. Myc. 1891, 7477