

mibus, hyalinis, 10-20 \approx 6-7, endoplasmate granuloso opaco; basidiis crassiusculis; sporulis subæquantibus.

Hab. in petiolis foliorum emortuorum *Cocos flexuosæ* in horto botanico parmensi Ital. bor.

90. **Macrophoma Macrochloæ** Trab. in Roum. F. Gall. exs. n. 4079. 5439

— Peritheciis immersis nigris globulosis microstomis, primo epidermide tectis, dein erumpentibus; sporulis globoso-ovoideis, 14-16 \approx 9-12, guttulatis, hyalinis; basidiis teretibus, 15-16 \approx 5-6.

Hab. in foliis *Macrochloæ tenacissimæ* in vase submersis, Elkantara pr. Constantine Algeriæ (L. TRABUT).

91. **Macrophoma Phœnicum** Sacc. F. Rom. n. 45, f. 6. — Peritheciis 5440

gregariis, innatis, atris, $\frac{1}{4}$ mm. diam., globosis, ostiolo erumpente; sporulis tereti-oblongis, curvulis, utrinque rotundatis, medio subinde constrictulis, 15-18 \approx 6-7, intus granulosis, hyalinis; basidiis dimidio brevioribus, bacillaribus.

Hab. in foliis emortuis *Phœnicum* in hortis, Roma.

92. **Macrophoma bolbophila** Sacc. F. Rom. n. 46, f. 7. — Peritheciis 5441

laxe gregariis, epidermide velatis, globulosis, obtusis, majusculis, nigris, $\frac{1}{2}$ mm. diam.; sporulis ovato-oblongis, rectis curvulisve, 18-21 \approx 4-4,5, utrinque obtusulis, hyalinis; basidiis obclavato-ampulliformibus, 8-9 \approx 3, hyalinis.

Hab. in squamis foliorum *Crini asiatici* in horto botanico, Roma.

d) *In Acotyledoneis.*

93. **Macrophoma? sphærosperma** (Karsten) Berl. et Vogl. Add. Syll. 5442

n. 4349 et in Atti Soc. Veneto-Trentina 1886, p. 187, *Phoma sphærosperma* Karsten in Hedw. 1885, p. 74. — Peritheciis sparsis, epidermide tectis, sphæroideo-applanatis, atro-fuscis, basi fuscis, ostiolo rudi, epidermidem perforante, glabris, vix 2 mm. lat.; sporulis sphæroideis, hyalinis v. dilutissime flavido-hyalinis, eguttulatis, levibus, 10-12 μ . diam.

Hab. in caulibus putrescentibus *Equiseti fluviatilis* ad Mustiala Fenniæ.

B. *Cylindrophoma* Berl. et Vogl.: sporulis cylindraceis v. tereti-fusoideis.

a) *In Dicotyledoneis.*

α . Ramicolæ.

94. **Macrophoma rimiseda** (Sacc.) Berl. et Vogl. Add. Syll. n. 462 et

- in Atti Soc. Veneto-Trentina 1886, p. 188, t. III, f. XXI. — *Phoma* Syll. III, p. 78.
95. **Macrophoma longispora** (Thüm.) Berl. et Vogl. Add. Syll. n. 465 et in Atti Soc. Veneto-Trentina 1886, p. 188. — *Phoma* Syll. III, pag. 79.
96. **Macrophoma albifrutua** (Peck) Berl. et Vogl. Add. Syll. n. 4350⁵⁴⁴³ et in Atti Soc. Veneto-Trentina 1886, p. 188, *Phoma albifrutua* Peck in 3S Rep. St. Mus. p. 9. — Peritheciis numerosis, 500-800 μ . latis, conoideis vel subhemisphæricis, sæpe irregularibus, 2-3 confluentibus, erumpentibus, atris; sporulis oblongo-fusiformibus, utrinque acutis, 2-4-nucleatis, 16-20 \approx 5-6, hyalinis, in globulum album expulsis.
Hab. in cortice emortuo *Aceris rubri*, Karner Amer. bor.
97. **Macrophoma endoplæa** (Sacc.) Berl. et Vogl. Add. Syll. n. 571 et in Atti Soc. Veneto-Trentina 1886, p. 189, t. II, f. III. — *Phoma* Syll. III, p. 90.
98. **Macrophoma Corticis** (Fuck) Berl. et Vogl. Add. Syll. n. 446 et in Atti Soc. Veneto-Trentina 1886, p. 189. — *Phoma* Syll. III, pag. 76.
99. **Macrophoma fusigera** (B. et C.) Berl. et Vogl. Add. Syll. n. 455 et in Atti Soc. Veneto-Trentina 1886, p. 189. — *Phoma* Syll. III, pag. 77.
100. **Macrophoma Mantegazziana** (Penz.) Berl. et Vogl. Add. Syll. n. 618⁵⁴⁴⁴ et in Atti Soc. Veneto-Trentina 1886, p. 193, *Phoma* Syll. III, p. 104. — ***M. Ægles** Sacc. et Berl. in Rev. Myc. 1886 et in Atti Soc. Veneto-Trentina 1886, pag. 193, t. II, f. II. — Peritheciis sparsis, majusculis, epidermide velatis; sporulis elongatis, 19-22 \approx 4-5, hyalinis; basidiis sporulâ dimidio minoribus, hyalinis, simplicibus.
Hab. in spinis ramorum *Ægles*, Algeria. — Affinis *Macrophomæ Mantegazzianæ* Penz., a qua basidiis brevioribus recedit. Areolas dealbatas, ochraceo-cinctas, sæpe incolit.
101. **Macrophoma Baculum** (Ger.) Berl. et Vogl. Add. Syll. n. 537 et in Atti Soc. Veneto-Trentina 1886, p. 189. — *Phoma* Syll. III, pag. 91.
 β . Caulicolæ.
102. **Macrophoma bacillaris** (Sacc.) Berl. et Vogl. Add. Syll. n. 795 et in Atti Soc. Veneto-Trentina 1886, p. 190. — *Phoma* Sacc. Syll. III, pag. 134.

103. **Macrophoma Solierii** (Mont.) Berl. et Vogl. Add. Syll. n. 962 et in Atti Soc. Veneto-Trentina 1886, pag. 190, t. III, fig. XIX. — *Phoma* Syll. III, p. 161.
104. **Macrophoma clavuligera** (B. et C.) Berl. et Vogl. Add. Syll. n. 397 et in Atti Soc. Veneto-Trentina 1886, p. 190. — *Phoma* Syll. III, pag. 69.
105. **Macrophoma Artemisiæ** (Kalch. et Cooke) Berl. et Vogl. Add. Syll. n. 735 et in Atti Soc. Veneto-Trentina 1886, p. 190. — *Phoma* Syll. III, p. 123.
106. **Macrophoma filamentosa** (Cooke) Berl. et Vogl. Add. Syll. n. 949, in Atti Soc. Veneto-Trentina 1886, p. 191. — *Phoma* Syll. III, pag. 159.
107. **Macrophoma pulchrispora** (P. et C.) Sacc, *Sphæroopsis pulchrispora* Peck et C. 32 Rep. p. 38. — Peritheciis minutis, sparsis, subprominulis, epidermide tectis, nigris; sporulis oblongis vel cylindraceis, obtusis, rectis vel curvis, 3-5-guttatis, hyalinis, 15-20 \approx 5-6,25. 5445
- Hab.* in caule emortuo Polygoni, Buffalo Americæ borealis (CLINTON).
108. **Macrophoma cylindrica** Passer. Diagn. F. N. V, n. 30. — Peritheciis subgregariis, tectis, tandem erumpentibus et matricem infusantibus, contextu minute celluloso, atro; sporulis cylindricis, rectis, eguttulatis, utrinque rotundatis, 12,5-17 \approx 1,5-2; basidiis non visis. 5446
- Hab.* in ramulo emortuo Pulicariæ viscosæ, Vigheffio pr. Parmam Ital. bor.
- γ. Follicolæ.
109. **Macrophoma parca** (B. et Br.) Berl. et Vogl. Add. Syll. n. 592 et in Atti Soc. Veneto-Trentina 1886, p. 191. — *Phoma* Syll. III, pag. 100.
110. **Macrophoma Strobi** (Berk. et Br.) Berl. et Vogl. Add. Syll. n. 603 et in Soc. Veneto-Trentina 1886, p. 171. — *Phoma* Syll. III, pag. 101.
111. **Macrophoma acuaria** (Cooke) Berl. et Vogl. Add. Syll. n. 595 et in Atti Soc. Veneto-Trentina 1886, p. 191. — *Phoma* Syll. III, pag. 100.
112. **Macrophoma phacidiella** (Sacc.) Berl. et Vogl. Add. Syll. n. 631 et in Atti Soc. Veneto-Trentina 1886, p. 191 t. II, f. VII. — *Phoma* Syll. III, p. 106.

113. **Macrophoma cylindrospora** (Desm.) Berl. et Vogl. Add. Syll. n. 671 et in Atti Soc. Veneto-Trentina 1886, p. 192, t. II, f. XII, — *Phoma* Syll. III, p. 113.
114. **Macrophoma viticola** (Cooke) Berl. et Vogl. Add. Syll. n. 653 et in Atti Soc. Veneto-Trentina 1886, p. 192, — *Phoma* Syll. III, pag. 110. — Diversam *Phomam viticolam* meam cl. Cooke, ob homonymiam, *Ph. Viniferæ* vocavit (cfr. supra p. 152) sed immerito, quia præsens sit *Macrophoma*. Vigat ergo nomen *Ph. viticolæ*, nec *Ph. Viniferæ*.
115. **Macrophoma cerasina** (Cooke) Berl. et Vogl. Add. Syll. n. 4351 et 5447 in Atti Soc. Veneto-Trentina 1886, p. 193, *Phoma cerasina* Cooke in Grevillea 1886, p. 90. — Epiphylla; peritheciis punctiformibus, densissime gregariis, semiimmersis, atris, nitidis, poro pertusis; sporulis subcylindricis, utrinque rotundatis, rectis, enucleatis, hyalinis, 15-16 \approx 3,5.
Hab. in foliis emortuis Pruni Lauro-cerasi, Aiken in Carol. infer.
116. **Macrophoma maculiformis** (C. et Hark.) Sacc., *Sphæroopsis* C. 5448 et H. Grev. IX, pag. 82. — Epiphylla; peritheciis exiguis, atris, subnitidis, in maculas suborbiculares congestis; sporulis cylindraceis utrinque obtusis, continuis, hyalinis, 15 \approx 3,5.
Hab. in foliis Arbuti Menziesii in California (HARKNESS).
117. **Macrophoma mucipara** (Penz. et Sacc.) Berl. et Vogl. Add. Syll. n. 648 et in Atti Soc. Veneto-Trentina 1886, p. 192, t. II, f. XI. — *Phoma* Syll. III, p. 109.
118. **Macrophoma Molleriana** (Thüm.) Berl. et Vogl. Add. Syll. n. 650 et in Atti Soc. Veneto-Trentina 1886, p. 193. — *Phoma* Syll. III, pag. 110.
119. **Macrophoma æquivoca** (Ces.) Berl. et Vogl. Add. Syll. n. 953 et in Atti Soc. Veneto-Trentina 1886, p. 194. — *Phoma* Syll. III, p. 159.
120. **Macrophoma crateriformis** (Dur. et Mont.) Berl. et Vogl. Add. Syll. n. 666 et in Atti Soc. Veneto-Trentina 1886, p. 194. — *Phoma* Syll. III, pag. 112.

δ. In fructibus, floribus etc.

121. **Macrophoma cassiocarpa** (Cooke) Berl. et Vogl. Add. Syll. n. 876 et in Atti Soc. Veneto-Trentina 1886, p. 195. — *Phoma* Syll. III, pag. 147.
122. **Macrophoma dalmatica** (Thüm.) Berl. et Vogl. Add. Syll. n. 928

- et in Atti Soc. Veneto-Trentina 1886, p. 196. — *Phoma* Syll. III, pag. 156.
123. **Macrophoma Oleæ** (D. C.) Berl. et Vogl. Add. Syll. n. 667 et in Soc. Veneto-Trentina 1886, p. 197, t. II, f. IX. — *Phoma* Syll. III, pag. 112.
124. **Macrophoma Calotropidis** (Thüm.) Berl. et Vogl. Add. Syll. n. 676 et in Atti Soc. Veneto-Trentina 1886, p. 198. — *Phoma* Syll. III, p. 114.
125. **Macrophoma hyalina** (B. et B.) Berl. et Vogl. Add. Syll. n. 516 et in Atti Soc. Veneto-Trentina 1886, p. 198. — *Phoma* Syll. III, pag. 88.
126. **Macrophoma reniformis** (Vial. et R.) Cavara Dissecc. Vite p. 25, 5449 t. V, f. 5, 8, 13, *Phoma* Vial. et Rav. Le Blak-Rot. p. 84 c. ic. — Peritheciis sparsis, epidermide tectis, globosis, atro-fuscis, poro albido pertusis; sporulis cylindræis, rectis v. curvulis, utrinque obtusis, hyalinis, granuloso-farctis, 22-28 \times 6-8; basidiis brevibus.
Hab. in fructibus siccis Vitis viniferæ, Hérault Galliæ et Stradella, Casteggio et Codevilla Italiæ. — Habitus *Macrophomæ rimisedæ* et *M. longisporæ*.
127. **Macrophoma nitens** (Sacc. Rouss. et Bomm.) Berl. et Vogl. Add. Syll. n. 899 et in Atti Soc. Veneto-Trentina 1886, p. 196. — *Phoma* Syll. III, p. 151.
128. **Macrophoma Citrulli** (B. et C.) Berl. et Vogl. Add. Syll. n. 885 et in Atti Soc. Veneto-Trentina 1886, p. 196. — *Phoma* Syll. III, pag. 149.
129. **Macrophoma Lagenariæ** (Thüm.) Berl. et Vogl. Add. Syll. n. 882 et in Atti Soc. Veneto-Trentina 1886, p. 196. — *Phoma* Syll. III, pag. 148.
130. **Macrophoma Granati** (Sacc.) Berl. et Vogl. Add. Syll. n. 459 et in Atti Soc. Veneto-Trentina 1886, p. 197. — *Phoma* Sacc. Syll. III, pag. 78.
131. **Macrophoma fallax** (Berk.) Berl. et Vogl. Add. Syll. n. 951 et in Atti Soc. Veneto-Trentina 1886, pag. 197. — *Phoma* Syll. III, pag. 156.

b) *In Monocotyledoneis.*

A. Culmicolæ.

132. **Macrophoma elongata** (B. et C.) Berl. et Vogl. Add. Syll. n. 946 et in Atti Soc. Veneto-Trentina 1886, p. 194. — *Phoma* Syll. III, p. 158.

133. **Macrophoma lanceolata** (C. et Ell.) Berl. et Vogl. Add. Syll. n. 967 et in Atti Soc. Veneto-Trentina 1886, p. 194, t. III, f. XVIII. — *Phoma* Syll. III, p. 162.

B. Foliicolæ et glumicolæ.

134. **Macrophoma smilacina** (Peck) Berl. et Vogl. Add. Syll. n. 955 et in Atti Soc. Veneto-Trentina 1886, n. 195. — *Phoma* Syll. III, p. 160.
135. **Macrophoma Caricis** (Fr.) Berl. et Vogl. Add. Syll. n. 979 et in Atti Soc. Veneto-Trentina 1886, pag. 195. — *Phoma* Syll. III, pag. 164.
136. **Macrophoma graminella** (Sacc.) Berl. et Vogl. Add. Syll. n. 996 et in Atti Soc. Veneto-Trentina 1886, p. 195, t. III, f. XVII. — *Phoma* Syll. III, p. 166.
137. **Macrophoma Hennebergii** (Kühn) Berl. et Vogl. Add. Syll. n. 999 et in Atti Soc. Veneto-Trentina 1886, p. 197. — *Phoma* Syll. III, pag. 167.

AOSPHÆRIA Berk. — Syll. III, p. 169.

1. **Aosphæria rugulosa** Sacc. Fung. ven. V, p. 179. — Peritheciis 5450 gregariis, majusculis, globosis, ruguloso-tuberculatis, atris, ostiolo minutissimo, papillato, demum perforato; sporulis minutissimis, ellipsoideis, $2 \approx 1,5$, subhyalinis.

Hab. in ligno putri Carpini Betuli, Vittorio Ital. bor. — Status spermogonicus *Ohlericæ rugulosæ*.

2. **Aosphæria multiformis** Karst. in Hedw. 1887, p. 126. — Peri- 5451 theciis sparsis v. laxe gregariis, erumpenti-superficialibus, forma valde variis, rotundatis, oblongatis, conoideis, angulatis, 0,1-0,2 mm. lat.; sporulis fusoideo-oblongatis, rectis, eguttulatis, hyalinis, 4-5 \approx 2.

Hab. in ligno vetusto *Quercus* in regione Aboënsi Merimasku Fenniæ. — Ab *Aosphæria allantella* peritheciis numquam depressis, sporulis etc. differt.

3. **Aosphæria peregrina** Karst. Symb. Myc. Fenn. XXVI, p. 30. — 5452 Peritheciis sparsis, erumpenti-superficialibus, rotundatis, nunc conoideis, nunc deplanatis, levibus, nitentibus, atris, dein poro pertusis, nucleo albo, punctiformibus; sporulis oblongatis, rectis, vulgo 2-guttulatis, hyalinis, 2,5-4 \approx 1-1,5 mucro persistente involutis.

Hab. in ligni durioris betulini superficie dealbata pr. Kola

Laponiæ rossicæ. — Affinis *Aposphæriæ muciferæ*, *Aposphæriæ minutulæ* et *Ap. arcticæ*.

4. **Aposphæria Caricæ** Passer. Diagn. F. N. IV, n. 97. — Peritheciis 5453
sparsis v. subgregariis, minutis, nudis v. interdum velo rubescen-
te tectis, globosis, atris, minute papillatis; sporulis fusiformibus,
integris, obscure bi-triguttulatis, hyalinis, 6-7,5 \times 2; basidiis non
visis.

Hab. in ramulo denudato Fici Caricæ, Parma Ital. bor.

5. **Aposphæria freticola** Speg. F. Pat. n. 167. — Peritheciis spar- 5454
sis v. laxe hinc inde gregariis, ex ovoideo piriformibus, 160-180
 μ . diam., basi matrici insculptis, atris, carbonaceis, levissimis, gla-
berrimis, subnitentibus; contextu indistincto; sterigmatibus parvu-
lis, e bacillari subclavulatis, 5-12 \times 1, apice obtusis, hyalinis; spo-
rulis minutissimis, ellipticis, utriusque rotundatis ac grosse 1-guttu-
latis, 2,5 \times 1, hyalinis.

Hab. ad ramos emortuos Fagi antarcticæ in silvis pr. Punta Arenas Patagoniæ.

6. **Aposphæria citrispora** Speg. F. Fueg. n. 386. — Peritheciis spar- 5455
sis v. hinc inde 2-5-aggregatis superficialibus globulosis 180-200
 μ . diam., atris, glabris subrugulosis, astomis?, coriaceis; contextu
indistincto; sporulis ovoideo- v. globuloso-citriformibus, utrinque v.
inferne tantum acutatis, 10-13 \times 7-9, hyalinis, sterigmatibus clavu-
latis, 10-15 \times 1-2, simplicibus, fultis, paraphysibus multo longiori-
bus, filiformibus, obvallatis.

Hab. in schidiis fagineis vetustis in silvis pr. Agaia in Hoste island Fuegiæ.

7. **Aposphæria trivialis** Speg. F. Fueg. n. 389. — Peritheciis hinc 5456
inde in ligno denudato dense gregariis, sæpius plagulas atras, ma-
jusculas, elongatas efficientibus, globulosis, 150-180 μ . diam., atris,
glabris, subcarbonaceis; ostiolo minutissimo, vix papillulato; con-
textu indistincto; sporulis ellipticis vel elliptico-cylindræis, utrin-
que obtusis, 5-8 \times 3, hyalinis, eguttulatis.

Hab. in schidiis fagineis putrescentibus in Staten island et pr. Slogget bay Fuegiæ.

8. **Aposphæria pulchella** Speg. F. Fueg. n. 388. — Peritheciis ligno 5457
denudato, extus cinerescenti-dealbato, intus roseo-virgatulo, laxe
insculptis, prominulis, conoideis 100-130 μ . diam., ostiolo minuto,
papillulato ornatis, coriaceo-membranaceis, in sicco subcollabascen-
tibus, atris, glabris; contextu indistincto; sporulis cymbiformibus,
utrinque acutiusculis, 3-4,5 \times 1-1,5, primo hyalinis dein fuscidulis.

Hab. ad ramos emortuos decorticatos fagineos prope Slogget bay Fuegiæ. — Species sporulis fuscidulis ad gen. *Coniothyrium* accedens.

9. **Aposphæria minuta** Berl. F. Moric. f. VI, n. 18, t. 9, f. 13-16, *Ph.* 5458
Mori Thüm. M. U., nec Mont. — Peritheciis gregariis inter fibras ligno nidulantibus, minutis, 100-150 μ . diam., contextu molli, parenchymatico, fuligineo, globosis dein sursum applanatis, demum umbilicatis rimose erumpentibus; ostiolo minutissimo pertuso; sporulis minutissimis, innumeris, allantoides, hyalinis, 2,5-3 \approx 0,5; basidiis non visis.

Hab. in ligno *Mori* albæ, Lyon Galliæ (J. THERRY).

10. **Aposphæria Ulmi** Karst. Symb. Myc. Fenn. XXVIII, pag. 42. — 5459
 Peritheciis gregariis v. confertis, erumpenti-superficialibus, globulosis, subtiliter rugulosis, opacis, dein poro sat lato apertis, circ. 0,3 mm. diam.; sporulis cylindræis, curvulis, raro rectis, 2-4-guttulatis, hyalinis, 14-16 \approx 3.

Hab. in ligno ramorum decorticatorum *Ulmi* effusæ, Mustiala Fenniæ.

11. **Aposphæria citricola** Penz. et Sacc. Monogr. Agr. pag. 361, 5460
 t. XXXIII, f. 3. — Peritheciis superficialibus v. vix basi ligno insculptis, gregariis, exiguis, globoso-depressis, carbonaceis, aterrimis; basidiis nullis; sporulis minutissimis, oblongis, utrinque rotundatis, hyalinis, eguttatis, 1,5-2 \approx 0,6-0,7.

Hab. in ligno vetusto nigrescente *Citri*, Port' Ercole in Monte Argentano Toscana.

12. **Aposphæria compressa** Passer. Diagn. F. N. IV, n. 96. — 5461
 Peritheciis sparsis v. gregariis superficialibus, ligno nigrificato innatis, sphæroideis, ostiolo compresso, lophiostomaceo; sporulis tenuissimis, bacillaribus, rectis vel curvulis 5 μ . long.

Hab. in ligno indurato *Persicæ* vulgaris, Vigheffio pr. Parmam Ital. bor. — An *Lophidii compressi* (Pers.) spermogonium?

13. **Aposphæria Amelanchieris** Karst. Fragm. Myc. XXIV, p. 3. — 5462
 Peritheciis gregariis, sphæroideo-hemisphæricis v. oblongatis v. globuloso-diformibus, in ligno ramorum cortice orbatorum immersis dein emergentibus, nigricantibus, vertice obtusis v. conoideo-attenuatis, sæpe minute papillatis, basi tenuissimis, pallescentibus, albobarctis, 0,2-0,3 mm. diam.; sporulis oblongatis, eguttulatis, rectis, hyalinis, 4-5 \approx 1,5-2.

Hab. ad ramos decorticatos dejectos *Amelanchieris* vulgaris in horto mustialensi Fenniæ.

14. **Aposphæria longipes** Passer. Diagn. F. N. IV, n. 43. — Peritheciis superficialibus, sparsis v. subgregariis, pusillis, subglobosis, minute ostiolatis; sporulis cylindricis, eguttulatis, rectis, hyalinis, 5-6 \approx 1,5, basidiis filiformibus, multoties longioribus, fultis. 5463
Hab. in ramo Chimonanthi fragrantis in horto botanico parmensi Ital. bor.
15. **Aposphæria inophila** (Berk.) Sacc. Syll. III, p. 175. — Var. **opaca** Karst. Symb. Myc. Fenn. XXIII, p. 10. — Peritheciis superficialibus, confertis, nonnumquam concretescentibus, verticalibus oblongatis, rotundatis, ovoideis vel conoideis, poro pertusis, atris, 0,1 mm. diam. v. ultra; sporulis elongatis, rectis, hyalinis, 2-3 \approx 0,5-1 mm. 5464
Hab. in asseribus Aceris platanoidis ad Mustiala Fennicæ.
16. **Aposphæria nitidiuscula** Karst. in Hedwigia 1884, pag. 6. — Peritheciis sphæroideis, concavis vel cupulato-collapsis, subsuperficialibus, astomis, atris, nitidis, exiguis; sporulis elongatis, rectis, hyalinis, 3-4 \approx 0,5. 5465
Hab. in ramulis siccis Aceris platanoidis in parœcia Nerpes Fennicæ.
17. **Aposphæria Leptospermi** Cooke in Grev. XIX, p. 91. — Peritheciis sparsis, erumpentibus, dein superficialibus, minutis, nigris, papillatis, intus albis; sporulis minutis, ovoideis, hyalinis, 3 \approx 1. 5466
Hab. in cortice Leptospermi, Victoria Australiæ (Mrs. MARTIN).
18. **Aposphæria subcorticalis** Karst. in Hedw. 1885, p. 74. — Peritheciis latere interiori corticis insidentibus, subgregariis vel sparsis, cupulato-collapsis, atris, glabris, subastomis, superficialibus, 0,2-0,3 mm. diam.; sporulis oblongatis, eguttulatis, rectis, hyalinis, 4 \approx 1-2. 5467
Hab. ad ramos emortuos Sambuci, Aboa Fennicæ.
19. **Aposphæria nitens** Cooke et Mass. in Grev. XVI, p. 7. — Peritheciis gregariis, erumpentibus, nigris, nitentibus, globosis, papillatis, minusculis, demum fere superficialibus; sporulis cylindræis, utrinque obtusis, continuis, hyalinis, 10 \approx 2-3. 5468
Hab. in ligno pineo dejecto, Kew Britannicæ.
20. **Aposphæria Broomeiana** Berk. Grev. XVI, p. 7. — Sporulis minutis, 2 \approx 1,5. 5469
Hab. in ligno, Mortlake, King's Cliffe Britannicæ.
21. **Aposphæria coniosporioides** Karst. Hedw. 1889. — Peritheciis superficialibus, in acervulos exiguos conglomeratis, sphæroideis, 5470

atris, brunneis sub lente astomis, diam. usque ad 30 μ .; sporulis ellipsoideis, eguttulatis, hyalinis, $1 \approx 0,5$.

Hab. ad lignum mucidum in Minas Geraes Sitio.

22. **Aposphæria elevata** (Peck) Berl. et Vogl. Add. Syll. n. 4354, 5471

Phoma elevatum Peck in 38 Rep. St. Mus. p. 95. — Peritheciis numerosis, minutis, rotundis, ovalibus vel hysteriformibus, matrice immersis sed pustulas elevatas vel rimas occupantibus, nigris; sporulis ovatis vel subellipticis, $8 \approx 4$, hyalinis.

Hab. in ligno decorticato arborum in montibus Adirondack Amer. bor.

23. **Aposphæria Aranea** Peck 42 Rep. p. 30. — Peritheciis sparsis 5472

v. gregariis, superficialibus, astomis, subglobosis, submembranaceis, irregulariter deliscentibus, nigris, filamentis arachnoideis pallidis insidentibus et conspersis; sporulis ovoideis 3-4 $\approx 2,5$.

Hab. ad dolium ligneum udum in cella vinaria, Flatbush Long Island Amer. bor. (ZABRISKIE).

24. **Aposphæria Cercidis** Wint. et Brun. Esp. Sphærops. p. 1. — Pe- 5473

ritheciis sparsis vel subconfertis, erumpenti-superficialibus, subconicis, nigris, $\frac{1}{6}$ - $\frac{1}{5}$ mm. diam., intus griseo-corneis, pertusis; sporulis ovoideis vel ovoideo-oblongis, 2-guttatis, hyalinis, 7-9 ≈ 3 .

Hab. in seminibus ad legumina putria Cercidis Siliquastris, Rochefort Gallia.

25. **Aposphæria leptosphærioides** Passer. Diagn. F. N. V, n. 31. — 5474

Peritheciis crebre sparsis ligno innatis dein erumpentibus, superficialibus, globosis atris, ostiolo acuto; sporulis cylindricis utrinque rotundatis, 2-guttulatis, hyalinis, 8-10 ≈ 2 -2,5.

Hab. in caule sicco Pulicariæ viscosæ, Vigheffio prope Parma Ital. bor. — *Melanommatis leptosphærioidis* probabiliter spermogonium.

DENDROPHOMA Sacc. — Syll. III. p. 178.

1. **Dendrophoma Gleditschiæ** Pass. in Journ. hist. nat. Bord. 1885, 5475

p. 136, Brun. List. Sphærops. p. 21. — Peritheciis membranaceis, carbonaceis, sparsis vel gregariis, globosis, erumpentibus, nigris; sporulis bacillaribus, hyalinis, 10-12 ≈ 3 -3,5; basidiis longe ramosis, ramis in ramulos divisis.

Hab. in ramis emortuis Gleditschiæ Triacanthi, Saintes Gallia.

2. **Dendrophoma affinis** Sacc. F. Rom. n. 47, fig. 8. — Peritheciis 5476

epiphyllis, areis arescentibus, pallidis, innatis, tectis, prominulis,

globulosis, minutis, $\frac{1}{5}$ mm. diam., poro pertusis, nigris; sporulis ovoideis, 2-guttulatis, exiguis, 3-4 \approx 1, in basidiorum bacillarum rectorum, 25-30 \approx 2, ramulis brevibus lateralibus insertis.

Hab. in foliis semi-emortuis Theophrastæ imperialis in hortis Romæ Italiæ. — Affinis *D. valsisporæ* sed basidiis non verticillato-ramulosis.

3. **Dendrophoma Tiliæ** Peck 39 Rep. p. 45. — Peritheciis minutis, 5477 sparsis, erumpentibus, nigris, intus albis; sporulis oblongis vel subcylindræis, obtusis, hyalinis, 15-25 \approx 7-5-8,75; basidiis filiformibus, ramosis.

Hab. in ramis emortuis Tiliæ Americanæ, Quaker Street Amer. bor.

4. **Dendrophoma Cephalanthi** Peck 39 Rep. p. 45. — Peritheciis minutis, 5478 500-625 μ . lat., erumpentibus, depressis, nigris; ostiolo papillato; sporulis copiosis, rectis vel subincurvis, hyalinis, 4-5 μ . long.; basidiis gracillimis, supra ramosis, 25-37,5 μ . long.

Hab. ad ramos emortuos Cephalanthi occidentalis, Karner Amer. bor.

5. **Dendrophoma Pini** Rich. Cat. Champ. Marn. p. 544. — Peritheciis 5479 hemisphæricis, rimoso-dehiscentibus; sporulis minutis, cylindræis, curvis, basidiis ramosis fultis.

Hab. ad ramos ramulosque Pini silvestris, St.-Amand Louanges Galliæ. — Spermogonium dicitur *Coccomycetis Pini*.

6. **Dendrophoma Mori** Berl. Add. Syll. n. 4651, F. Moric. tab. 49, 5480 f. 7-12. — Peritheciis ligno immersis, parte superiori pellucida, pertusa, conoidea, tantum prominulis; sporulis sphæroideis vel vix ovoideis enucleatis, 3-4 \approx 3, denticulis basidiorum brevibus insertis vel acrogenis; basidiis cylindræis septatis, ad septa denticulato-dilatatis vel nodulosis, 40-50 \approx 3,5.

Hab. in ligno emortuo Mori albæ, Fiumicello Ital. bor.

7. **Dendrophoma teres** Berl. Add. Syll. n. 4650, F. Moric. tab. 49, 5481 f. 1-6. — Peritheciis globoso-conoideis, minutis 100-120 μ . diam., basi hyphis fuligineis cinctis, contextu laxo parenchymatico, sursum ostiolatis; sporulis numerosis, ovoideis, enucleatis, in cirrum expulsis, 3 \approx 1,5; basidiis tereti-fusoideis, denticulatis vel brevissime ramosis furcatisque; denticulis sporulas sustinentibus, crassiusculis, subinde brevissimis.

Hab. in ramis emortuis Mori albæ, Fiumicello Ital. bor.

8. **Dendrophoma phyllogena** Trail Scot. Nat. 1887, p. 87, Grev. XV, 5482 p. 108. — Maculis pallidis; peritheciis numerosis, subepidermicis,

nigris, ellipsoideis, subpapillatis; sporulis cylindraceis, hyalinis, 8-12 \approx 1,5-2; basidiis fasciculatis, 30-35 μ . long., 2 μ . basi crass., hyalinis, cylindraceis, ramulis brevibus, alternis præditis.

Hab. in foliis Ilicis Aquifolii, Aberdeen Scotiæ.

9. **Dendrophoma Marconii** Cav. App. Pat. Veg. p. 4, t. VI, f. 11-14. 5483

— Peritheciis sparsis, maculis cinereis, epidermide tectis, globoso-depressis, ostiolo subprominulo, 130-150 μ . diam.; basidiis simplicibus vel vage dichotomo-ramosis, septatis, hyalinis; sporulis pleiomorphis, ovatis ellipticis, teretiusculis, continuis, hyalinis, 4,5-6,5 \approx 2-1,5.

Hab. in caulibus Cannabis sativæ, Forlì Italiæ.

10. **Dendrophoma Convallariæ** Cav. Mat. Lomb. p. 18, t. II, f. 6. — 5484

Maculis oblongis, nervisequis, amphigenis, rufo-ochraceis; peritheciis tectis, minutissimis, nigris, globosis, astomis, 80-100 μ . lat.; basidiis cylindricis, septulatis, vage ramosis, hyalinis; sporulis perexiguis, bacillaribus, utrinque leviter incrassatis, 4-5 \approx 1-1,5.

Hab. in Convallaria majali, in horto botanico Pavia Ital.

11. **Dendrophoma coprophila** March. Champ. copr. VI, p. 9. — Peri- 5485

theciis gregariis, superficialibus, e mycelio brunneo, copioso oriundis, globoso-depressis, 290-360 μ . diam., fuscescentibus; contextu dense parenchymatico, apice late pertusis, ore zona nigra papillosa distincte marginato; sporulis acrogenis, 2-guttulatis, ellipsoideis, rectis, utrinque rotundatis, 5,5-7 \approx 2-3, tranquillis, in globulum mucosum, roseum denique expulsis; basidiis copiosis, fasciculatis, parum ramosis, irregulariter noduloso-articulatis, hyalinis, 15-25 μ . long.

Hab. in fimo leporino, Boitsfort Belgii.

ASTEROMELLA Pass. et Thüm. — Syll. III, p. 182.

1. **Asteromella quercifolii** C. Mass. Contr. Mic. Ver. pag. 131, t. 5, 5486

f. 32. — Peritheciis minutis, subglobulosis, hypophyllis, nigris, parietibus membranaceis, in soros punctiformes coalitis; soris crebre disseminatis, maculas parvas, amphigenas, rufescentes, in pagina superiore folii sæpe obscuriores, efficientibus, primum epidermide tumidula velatis, demum rimose erumpentibus; sporulis exilissimis, breviter bacillaribus, hyalinis, continuis, utrinque obtusis, 2-4 \approx 0,7-1.

Hab. in foliis languidis vel emortuis Quercus Roboris, Tregnago in agro veronensi Ital. bor.

2. **Asteromella vulgaris** Thuem. M. U. n. 1892 et 2092. — Perithe- 5487

ciis numerosissimis maculas parvas indistinctas griseas efficientibus, dense gregariis, hypophyllis, subglobosis, subemersis, nigricantibus; sporulis numerosis, bacillaribus, continuis, plerumque subcurvis, utrinque truncatis, $3,5-4 \approx 1$, hyalinis.

Hab. ad folia languida *Cratægi oxyacanthoidis* et *Gleditschiæ Triacanthi*, Parma Ital. bor. (PASSERINI).

3. **Asteromella epitrema** Cooke in Grev. XX, p. 6. — Maculis epiphyllis, nigris, suborbicularibus vel confluentibus, mycelio ex hyphis brunneis sejunctis efformato; peritheciis minutis, subglobosis, membranaceis; sporulis numerosis, subfusoides vel anguste ellipsoideis, continuis, guttulatis, hyalinis, $10-12 \approx 3$. 5488

Hab. in foliis *Tremæ asperæ*, Zandina, Queensland Australiæ (BAILEY) socio *Dimerosporio parvulo*.

4. **Asteromella Acaciæ** Cooke in Grev. XIX, pag. 5. — Peritheciis numerosissimis, maculam atram efficientibus, dense congestis, minutis, vix 25μ . excedentibus, atris membranaceis, poro pertusis; sporulis arcte ellipticis, continuis, hyalinis, rectis, $2,5 \approx 1$. 5489

Hab. in phyllodiis *Acaciæ*, Wedderburn Australiæ (MARTIN).

5. **Asteromella æsculicarpa** Cooke et Mass. in Grev. XVI, p. 7. — Maculis effusis; peritheciis immersis, sparsis, minutis, nigris, epidermidem demum rumpentibus; sporulis subcylindricis, obtusis vel allantoideis, continuis, hyalinis, $10-12 \approx 3-4$. 5490

Hab. in pericarpio *Æsculi Hippocastani* dejecto in horto kewensi Britannicæ.

6. **Asteromella gaboonensis** Cooke et Mass. in Grev. XV, p. 111. — Epiphylla; maculis fumosis, orbicularibus vel confluentibus; peritheciis gregariis, minutis, atris, hemisphæricis, membranaceis; sporulis ovalibus, continuis, hyalinis, $6 \approx 4$. 5491

Hab. in foliis herbaceis subemortuis, Gaboon Africæ occid.

7. **Asteromella myriadea** Cooke in Grev. XIX, p. 3. — Peritheciis minutissimis, numerosis, hypophyllis, maculam obscuram efficientibus, dense gregariis, globosis, emersis, atris; sporulis cylindraceis, utrinque rotundatis, rectis vel paullum curvulis, $12 \approx 2-3$, hyalinis. 5492

Hab. in foliis coriaceis, Nova Zelandia (COLENZO).

8. **Asteromella perpusilla** Speg. F. Puigg. n. 415. — Maculis epiphyllis, pallescentibus, determinatis $2-5$ mm. diam., linea tenuissima rufescente cinctis; peritheciis laxè gregariis, superficialibus, globosis, $40-50 \mu$. diam., olivaceo-atris; sporulis cylindraceis, hyalinis, $7-8 \approx 2,5-3$, utrinque obtusissimis, 5493

Hab. ad folia viva plantæ cujusdam ignotæ pr. Apiahy Brasiliæ.

SCLEROTIOPSIS Speg. — Syll. III, p. 184.

1. **Sclerotiopsis Cheiri** Oud. Microm. I, p. 4. — Peritheciis numero- 5494
sissimis, sclerotio brunneo, apice multo pallidiore v. albo, ceraceo-
fragili immersis, sporulis ellipticis, $3 \approx 1,5$, hyalinis, utrinque ob-
tusis, 2-guttatis; basidiis 1-sporis, numerosissimis, $23-25 \approx 1\frac{1}{6}$.

Hab. in caule putrescente Cheiranthi Cheiri in horto bo-
tanico Amstelædamensi Hollandiæ. — Sclerotia seminis *Sinapeos*
albæ magnitudine, inter fibras annuli lignosi abscondita.

PLENODOMUS Preuss — Syll. III, p. 184.

1. **Plenodomus microsporus** Berl. Exc. Frioul p. 22. — Peritheciis 5495
sparsis, primo tectis, dein epidermide secendente liberis superficia-
libusque, sæpe difformibus, irregulariter plicatis tuberculatis, for-
ma variis, usque ad $\frac{3}{4}$ mm. diam., nigris, sursum depressis et sub-
inde umbilicatis, primo astomis, dein pertusis, intus cavitate uni-
ca præditis, tunica perithecorum, e stratibus pluribus cellularum,
carnem ceraceam facillime in laminas tenuissimas cultro scissam,
cum carne sclerotiorum plurimorum comparandam efficientibus for-
mata; basidiis brevissimis, ambitum totius cavitatis obtegentibus,
1-sporis; sporulis cylindræis, utrinque rotundatis, utrinque 1-
guttatis, $10-12 \approx 2,5 \approx 3$.

Hab. in caulibus emortuis Sedi Telephii, Osoppo ia agro
foro juliensi Ital. bor.

2. **Plenodomus Mollerianus** Bres. Fung. Lusit. p. 6. — Peritheciis 6496
carbonaceis, rigidis, subhemisphæricis, basi subapplanatis, superfi-
cialibus, glabris, atris, primum clausis, demum substellatim v. ir-
regulariter ruptis, $\frac{3}{4}-1$ mm. lat.; contextu parenchymatico; spo-
rulis hyalinis, subfusoides-curvatis, utrinque subacutis, $6-8 \approx 1,5-2$,
basidiis flocciformibus seu ex hyphis filiformibus, ramosis v. sub-
verticillato-ramosis compositis, duplo v. triplo quam sporulis lon-
gioribus.

Hab. in foliis Eucalypti Globuli ad Cerca de S. Bento pr.
Coimbra Lusitaniæ. — Species ad *Dendrophomam* vergens.

SPHÆRONÆMA Fr. — Sacc. Syll. III, p. 185.

1. **Sphæronæma levirostre** (Karst.) Berl. et Vogl. Add. Syll. n. 4356, 5497
Rhynchophoma levirostris Karsten Symb. pag. 154. — Peritheciis

superficialibus, sparsis vel gregariis, sphæroideis vel subovoideo-sphæroideis, fragilibus, rugulosis, atris, opacis, rostro cylindraceuto flexuoso, levi perithecio duplo vel quadruplo longiore, circit. 0,4 mm. diam.; sporulis ellipsoideis vel oblongatis, rectis vel leniter curvulis simplicibus, 4-6 = 2.

Hab. supra lignum vetustum Populi tremulæ in regione mustialensi Fenniæ.

2. **Sphæronæma Solandri** Cooke in Grev. XIX, p. 3. — Peritheciis 5498 gregariis, cylindricis, subtruncatis, atris, levibus; sporulis ovatis, hyalinis, 3-5 = 2.

Hab. in ligno Fagi Solandri, Nova Zelandia.

3. **Sphæronæma disseminatum** Karst. et Har. Journ. Bot. 1890, p. 358. 5499 — Peritheciis sparsis v. superficialibus, ovoideo-conoideis, glabris, levibus, atro-olivaceis?, 0,3 mm. alt.; sporulis fusoido-oblongatis, rectis, eguttatis, hyalinis, 3-4 = 1.

Hab. in ligno mucido Pini pr. Burdigalam Galliæ (DURIEU DE MAISSONNEUVE).

4. **Sphæronæma canum** Ell. et Ev. Journ. Myc. 1889, p. 147. — Pe- 5500 ritheciis primo cortice tectis, depresso-hemisphæricis, 1 mm. v. ultra diam.; collo centrali, cylindraceuto, valido, recto, nigro, circ. 1 mm. longo, apice incrassato subovato, griseo, strigoso; sporulis ovato-oblongis v. ovato-ellipsoideis, guttatis, hyalinis, 7-10 = 3-4, basidiis cylindraceutis, 15-20 = 2 fultis, stratum compactum, corneo-albidum efformantibus.

Hab. in ramis emortuis Negundinis aceroidis, Manhattan, Kansas Amer. bor. (KELLERMAN et SWINGLE). — Habitus *Sph. pruinosi* et *Stilbi gigantei*.

5. **Sphæronæma exiguum** Karst. Rev. Myc. 1890, n. 47. — Peritheciis 5501 sparsis, e basi cortice insculptis, superficialibus, inferne conoideo-ovoideis, sursum in ostiolum cylindraceutum, breve attenuatis, nigris, circ. 150 μ . diam.; sporulis ellipsoideis, continuis, eguttulatis, hyalinis, 3-4 = 2.

Hab. in cortice vetusto Betulæ in Gallia (P. HARIOT).

6. **Sphæronæma sphæropsideum** E. et Ev. Proc. Ac. Phil. 1891, 5502 p. 78. — Peritheciis sparsis, conicis, 0,5 mm. diam., cortice interiore immersis, per epidermidem ruptam erumpentibus; collo subulato, gracili, 0,5-1 mm. long.; sporulis oblongis, hyalinis, 12-20 = 6-8, in globulum albidum expulsis; basidiis sporulis subæquilongis, 2,5-3 μ . cr., filamentis (basidiis sterilibus?) sporulas ad paraphysum instar superantibus, immixtis.

Hab. in ramis emortuis Fraxini, London Canada Amer. bor.
(J. DEARNES).

7. **Sphæronæma tenuirostre** Cooke in Grev. XVI, p. 15. — Grega- 5503
rium; peritheciis nigris, depresso-globosis, subepidermicis; collo
epidermidem perforante, longo, gracili, apicem pallidum versus sen-
sim attenuato, perithecii diametro 3-4-plo longiore; sporulis cy-
lindræis, utrinque rotundatis, rectis v. subcurvis, continuis, hya-
linis, $21 \approx 5$; basidiis longis.

Hab. in corticibus, Westbrook Maine (REV. E. C. BOLLES).

8. **Sphæronæma leporum** March. Cham. copr. VI, p. 10. — Perithe- 5504
ciis sparsis, superficialibus, sphæroideis, contextu sat dense cellu-
loso, 500-700 μ . diam., fusco-atris, ostiolo brevi, circiter 60-90 μ .
long.; sporulis elliptico-oblongis, rectis, utrinque obtusiusculis, chlo-
rino-hyalinis, eguttulatis, $4,5-5,4 \approx 1,6$; basidiis obsoletis.

Hab. supra fimum leporinum in silvis abiegnis Eelen, Lim-
bourg Belgii, sociâ *Philocoprâ pleiosporâ*, cujus forte status sper-
mogonicus.

9. **Sphæronæma sticticum** Berk. Fl. Antarc. II, 450. — Minutissi- 5505
mum, punctiforme, innatum, atrum, nitidum, demum collapsum;
sporulis minutissimis, ellipticis.

Hab. in foliis Fagi antarcticæ ad Caput Storn Amer. austr.

10. **Sphæronæma nigrificans** Karst. Symb. Myc. Fenn. XXIV, p. 17. 5506
— Peritheciis sparsis, erumpenti-superficialibus, macula ambiente,
indeterminata, nigricante insidentibus, irregularibus, rotundato-
depressis, varie compressis v. inæqualibus, recentibus, olivascenti-
bus, mollibus, siccis, atris, nitidulis, rostro cylindræo, diametrum
perithecii nonnumquam æquante instructis, 0,3-0,4 mm. lat.; spo-
rulis oblongatis, utrinque obtusis, rectis, sæpe guttulis 2-minutis
apicalibus præditis, hyalinis, $6-9 \approx 2-3$.

Hab. in petiolis foliorum putrescentium Cochleariæ Armo-
raciæ in horto mustialensi Fenniæ.

11. **Sphæronæma innatum** Karst. Rev. Myc. 1890, n. 47. — Perithe- 5507
ciis innatis, sphæroideis fragilibus, atris, iatus nitidis, circ. 0,2
mm. diam.; rostro erumpente, cylindræo, stricto v. flexuoso, trun-
cato, atro, perithecio duplo longiore; sporulis cylindræis, leniter
curvulis, guttulis 2 apicalibus præditis, hyalinis, $4-6 \approx 2$.

Hab. ad caules aridos Passifloræ cœruleæ, quos, ut vi-
detur, nigrificat, in Gallia (P. HARIOT). — Forte est species *Cera-
tostomellæ* sed asci non inventi.

12. **Sphæronæma fimbriatum** (E. et H.) Sacc. *Ceratocystis fimbria-* 5508

ta Ell. et Halst. Bull. N. Jers. Agr. Stat. n. 76, p. 14. — Peritheciis globulosis, hyphulis hyalinis septatis cinctis, 100-200 μ . diam. in ostiolum cylindricum quadruplo longius 20-30 μ . cr. productis, ostiolo apice fimbriato pallidiore; sporulis globoso-ellipsoideis intus granulosus, hyalinis, 5-9 μ . diam. (diu aqua immersis, 12-17 \approx 9-15).

Hab. in tuberculis *Batatae* edulis, cui morbum (*Sweet-potato black rot*) affert, New Jersey Amer. bor. — Adsunt simul et forte metagenetice connexæ formæ *Chalaræ* v. *Cylindrio* et *Hadrotricho* affines.

13. **Sphæronæma Lycopersici** Plowr. Fung. Dis. Tomato p. 3. f. 1. 5509
— Peritheciis minutis, 150 μ . diam. sphæricis, subconcentrice dispositis; sporulis minutis, cylindræis vel subbotuliformibus, hyalinis, non vel guttatis, 10 \approx 2-3, in globulum sordide carneum expulsis.

Hab. in fructibus *Solani Lycopersici* prope King's Lynn in Britannia. — *Sphæronæma concors* B. et C., Sacc. Syll. III, p. 198, sec. specim. orig. (ad folia *Cyper*i in Carolina) in Ravenel Carol. II, n. 64 est *Darlucæ Filum* (Biv.) Cast.

CHÆTOPHOMA Cooke — Sacc. Syll. III, p. 199.

1. **Chætophoma eutricha** Sacc. et Berl. Misc. Myc. II, p. 8. — Mycelio epiphylo, maculas nigras, epiphyllas, sæpe confluentes, senio sæpe pulveraceo-secedentes formante; hyphis mycelicis effusis, filiformibus, ramoso-anastomoticis, subseptatis, ubique nodulos hemisphæricos, unilaterales gerentibus, fuliginæis; peritheciis punctiformibus, subastomis, nigris, hyphis cinctis; sporulis oblongo-allantoidæis, curvulis, 4 \approx 1,5, hyalinis.

Hab. in foliis languidis *Castanospermi australis*, Logan Australiæ (Rev. SCORTECHINI). — Habitus *Meliolæ*, cujus spermogonium verisimiliter sistit.

2. **Chætophoma Sollæ** Passer. Diagn. F. N. IV, n. 46. — Hypophylla, sparsa v. maculiformis; hyphis byssoideis repentibus parcis fuliginæis; peritheciis globosis, fuscis, gregariis v. sparsis, 30-75 μ . diam., contextu fibroso, fumido; sporulis bacteroideis, hyalinis, 2,5 \approx 1,5.

Hab. in foliis *Quercus pubescentis* pr. Trieste (prof. SOLLA). — A speciebus omnibus quercicolis a Cooke in *Grevillea* descriptis (vol. 7, p. 24, tab. 118, f. 1-3) videtur diversa.

3. **Chætophoma microstoma** Speg. F. Puigg. n. 413. — Peritheciis 5512

sparsis, globulosis, atris, glabris, minute ostiolatis; sporulis ellipsoideis, utrinque obtusis, majuscule 2-guttatis, $5-6 \approx 2,5-3$.

Hab. ad folia languida Sapindaceæ cujusdam in dumetis prope Apiahy Brasilæ. — Mycelium ac perithecia ut in *Dimerosporio? microstomo*, cujus statum sporuliferum sistit.

4. **Chætophoma Melianthi** Pat. Bull. Soc. Myc. 1891, p. 178. — Peritheciis minutis, $50-60 \mu$. diam., subglobosis, glabris, pallide brunneis, apice pertusis; sporulis ovoideis, hyalinis, $3-4 \approx 2$, demum cirrose expulsis. 5513

Hab. in foliis Melianthi majoris, socio *Cladosporio*, Quito Amer. austr. (LAGERHEIM).

5. **Chætophoma macrospora** Karst. et Har. Journ. Bot. 1890, p. 358. 5514
— Subiculis rotundato-diformibus, sæpe confluentibus, plano-convexulis, velutinis, circ. 3 mm. lat., ex hyphis densissime intricatis, ramosis, articulatis, fuscis, contextis; peritheciis in subiculo nidulantibus, membranaceis, tenuissimis, fragillimis exiguis, sphæroideis; sporulis ellipsoideis, hyalinis, $26-28 \approx 12-14$.

Hab. ad corticem Sciadophylli capitati, Saint Thomas Indiæ occidentalis (EGGERS).

6. **Chætophoma? Ampullula** Speg. Guar. I, p. 143. — Peritheciis superficialibus, globosis, brevissime subampulliformibus ex ostiolo papillulato, crassissimo, late perforato, margine fimbriatulo, minutis, $60-70 \mu$. diam., membranaceis, contextu parenchymatico, olivaceo-fuligineo, subiculo parcissimo, radiante, fibrillis atris, opacis, rectiusculis constituto, insidentibus; sporulis ellipticis, utrinque obtusiusculis, 2-guttatis, $5-6 \approx 2,5-3$, hyalinis vel chlorino-fumosis. 5515

Hab. ad folia viva plantæ ignotæ cujusdam, sociâ *Meliolâ dubiâ*, in silvis prope Guarapi Brasilæ. — Species pulcherrima, peritheciis vere singularibus distinctissima.

7. **Chætophoma? Asterinarum** Speg. F. Puigg. n. 412. — Peritheciis sparsis, globosis, astomis, atris, pilis circinatis adspersis; sporulis cylindraceo-fusoideis utrinque subtruncatulis $20-22 \approx 2,2-5$, continuis v. rarius spurie 1-pseudoseptatis, chlorinis. 5516

Hab. ad folia viva plantæ ignotæ in *Asterina* parasitans pr. Apiahy Brasilæ. — Mycelium et perithecia ut in *Dimerosporio Asterinarum*, cujus statum sporuliferum sistit.

8. **Chætophoma? perpusilla** Speg. F. Puigg. n. 414. — Peritheciis globoso-ovatis, atris, glabris, astomis, $40-60 \mu$. diam.; mycelio tenuissimo olivaceo, ex hyphis $2-4 \mu$. cr. composito; sporulis naviculari-elongatis, chlorinis, $10 \approx 2,5-3$, utrinque obtusiusculis. 5517

- Hab.* in mycelio Asterinæ pseudopelliculosæ parasitans ad folia viva Ipomeæ cujusdam pr. Apiahy Brasiliæ.
9. **Chætophoma maculans** Winter in Journ. of Myc. 1885, p. 123. — 5518
 Peritheciis minutis, globosis, poro pertusis, fuscis, membranaceis, 70 μ . diam., in macula rotundata vel subirregulari, magna (usque 25 mm. lata), fusca, demum fusco-atra, margine indeterminato, pallidiore cincta, interdum autem a linea atra limitata, amphigenis, superficialibus, mycelio repente, ramoso, septato, fusco, subdenso insidentibus; sporulis numerosissimis et minutissimis, ellipticis, hyalinis, unicellularibus, vix 2 μ . longis.
Hab. ad folia viva languidave Silphii terebinthacei, Missouri Amer. bor.
10. **Chætophoma Antirrhini** Rich. Cat. Champ. Marn. n. Suppl. — 5519
 Peritheciis brunneis, subsphæricis, dein collapsis, glabris basi fibrillis radiantibus præditis; ostiolo centrali; sporulis ovato-oblongis, hyalinis, numerosissimis, 4 μ . long.
Hab. in capsulis Antirrhini majoris, St.-Amand Galliæ.
11. **Chætophoma? Maydis** Speg. F. Guar. I, pag. 143. — Peritheciis 5520
 globosis, 50-90 μ . diam., astomis (an semper?), primo pellucidis, ex hyalino chlorinis, dein præcipue in parte supera, atris, glabris, levibus, tenui-membranaceis, sparsis v. hinc inde laxe glomerulatis, contextu pellucido, indistincto donatis, hypothallo mucoso-granuloso, sæpe per ætatem evanescente insidentibus; sporulis ellipticis, utrinque obtuse rotundatis, 2,5-3,5 \approx 1,5-2, hyalinis.
Hab. ad folia dejecta putrescentia Zeæ Maydis nec non (rarius) Sacchari officinarum pr. Guarapi Brasiliæ.
12. **Chætophoma filamentifera** (Karst.) Berl. et Vogl. Add. Syll. 5521
 n. 4359, *Phoma filamentifera* Karst. Symb. XV, p. 153. — Peritheciis laxe gregariis, innatis, oblongatis vel ellipsoideis, raro rotundatis, hyphis repentibus, ramosis, septatis, fuscescentibus, longis obsessis, contextu distincte laxiuscule celluloso, fuligineo, ostiolo obtusiusculo, brevi, perforante, circiter 0,2 mm. lat.; sporulis oblongis, rectis, eguttulatis, chlorino-hyalinis, 8-9 \approx 3-3,5.
Hab. in foliis exsiccatis Graminum ad Mustiala Fenniæ.
13. **Chætophoma Oryzæ** Cav. Mat. Lomb. p. 48, t. II, f. 7. — Peri- 5522
 theciis superficialibus, seriatis, atro-olivaceis, globoso-depressis, medio subexcavatis, ostiolo prominulo pertusis, primo filamentis byssoideis, fuligineis, septatis ramosisque, tectis, demum glabris, nitentibus, 300-350 μ . diam.; basidiis papillæformibus hyalinis, bre-

vissimis; sporulis oblongis, ellipticis vel ovatis, dilute olivaceis, 10-13 = 4-5.

Hab. in vaginis, pedunculis et glumis *Oryzæ sativæ*, Carbonara al Ticino pr. Pavia Italiæ bor.

ASTEROMA DC. — Syll. III, p. 201.

1. **Asteroma ribicolum** Ell. et Ev. Journ. Myc. 1889, p. 148. — Epi- 5523
phyllum; fibrillis ramosis, radiatim effusis, maculas atras, orbiculares, 1 cm. vel ultra diam. efformatibus, dense gregatis; peritheciis, apice evanido excepto, nigris, sterilibus, minutis, tectis.

Hab. in foliis vivis *Ribis floribundi*, Helena, Montana Amer. bor. (Rev. F. D. KELSEY).

2. **Asteroma Solidaginis** Cooke in Grevillea XIV, p. 40. — Perithe- 5524
ciis minutis, in maculis obscuris suborbicularibus collectis, mycelio tenui, brunneo, crustaceo, reticulato, plus minusve radiante insidentibus; sporulis ellipsoideis, minutis, hyalinis, continuis.

Hab. in foliis vivis *Solidaginis ellipticæ*, Kew Britannia.

3. **Asteroma Daturæ** Brun. Miscell. mycol. p. 16. — Maculis primo 5525
rotundatis, dein irregularibus, nigro-brunneis, fibrillis marginalibus, ramosis, gracillimis præditis; peritheciis valde adproximatis, numerosissimis, globosis, nigris, minutissimis, acervulos maculiformes interdum latiusculos efformantibus; sporulis globulosis, admodum minutis, hyalinis.

Hab. in caulibus emortuis *Daturæ Stramonii*, Clermont-Ferrand Gallia (HÉRIBAUD).

4. **Asteroma Scrophulariæ** Brun. Miscell. mycol. p. 16. — Maculis 5526
oblongo-elongatis, brunneis, fibrillis marginalibus, parum distinctis, dein evanidis præditis, demum nigrescentibus; peritheciis numerosis, nigris, nitentibus, minutis, astomis; sporulis perexiguis.

Hab. in caulibus emortuis *Scrophulariæ nodosæ*, Clermont-Ferrand Gallia (HÉRIBAUD).

5. **Asteroma Phaseoli** Brun. Champ. Saint. p. 338. — Maculis rotun- 5527
dis vel subrotundis, sparsis, subinde confluentibus, nigro-brunneis, fibrillis pallidioribus, longis, interdum ramosis; peritheciis parum numerosis, sparsis, globulosis, erumpentibus; sporulis oblongis, 3-4 = 2,5, hyalinis.

Hab. in leguminibus exsiccatis *Phaseoli vulgaris*, Pessines prope Saintes Gallia. — *Asteromà corallinum* Mont. in Lév. Ann. Sc. nat. 1846, p. 284 (nomen), Syll. III, p. 215, est *Meliola corallina* Mont., Syll. I, p. 62.

CICINNOBOLUS Ehrenb. — Syll. III, p. 216.

1. **Cicinnobolus Plantaginis** Oud. Contr. Mycol. XIII, p. 38. — Peri- 5528
 theciis setis erectis, brevibus, hyalinis præditis, acrogenis, clavatis
 v. piriformibus, $70 \approx 35$, stramineis, vertice pertusis; sporulis bre-
 viter ovoideis, rectis, utrinque rotundatis, hyalinis, $7 \approx 3\frac{2}{3}$, egut-
 tatis, tandem in cirros exsiliantibus.

Hab. parasiticus in mycelio *Oidii erysiphoidis* ad folia *Plan-
 taginis majoris*, La Haye Nederlandiæ (DESTREE).

2. **Cicinnobolus Humuli** Fautrey in Rev. Myc. 1890, p. 73. — Peri- 5529
 theciis pycniformibus, ovoideis, oblongis nec non globulosis, minu-
 tissimis, pedicellatis aut sessilibus; sporulis oblongis, ovoideis, re-
 ctis minimeve curvulis, 2-guttulatis, $4,6 \approx 3$, in maturitate $9,8 \approx 3$.

Hab. supra *Oidium erysiphoides* in foliis *Humuli Lu-
 puli* in Gallia (F. FAUTREY).

3. **Cicinnobolus cotoneus** Pass. in Thuem. M. U. n. 1668, Diagn. p. 13. 5530
 — Peritheciis clavatis v. ellipsoideis, fusco-luteis, reticulatis; spo-
 rulis immersis, cylindricis, apicibus subrotundatis, utrinque 1-gut-
 tatis, $7 \approx 2,5$.

Hab. ad folia viva *Cydoniæ vulgaris* in horto botanico
 parmensi Ital. bor. (prof. PASSERINI).

4. **Cicinnobolus parasiticus** (Cocc.) Sacc., *Phyllosticta parasitica* Cocc. 5531
 Simb. funghi p. 20, t. I, f. 2. — Peritheciis globulosis, membra-
 naceis, 75μ . diam., poro rotundo pertusis; sporulis cirrose expul-
 sis, ovoideis, continuis, hyalinis, $4-5 \approx 2,5-3$.

Hab. parasitice ad perithecia *Phyllactiniæ suffultæ* Por-
 retta Italiæ.

SIROCOCCUS Preuss — Syll. III, p. 217.

1. **Sirococcus brasiliensis** Speg. F. Puigg. n. 416. — Maculis nullis; 5532
 peritheciis subepidermicis, lenticularibus, 3-5-gregariis, $150-200 \mu$.
 diam., atris, glabris, ostiolatis; contextu parenchymatico parum di-
 stincto; ostiolo rotundo, 10μ . diam.; sporulis ellipticis, catenula-
 tis, hyalinis.

Hab. ad folia dejecta putrescentia *Bignoniaceæ* cujusdam in
 silvis pr. Apiahy Brasilæ.

PYRENOCHÆTA De Not. — Sacc. Syll. III, p. 219.

1. **Pyrenochæta Berberidis** Rich. Cat. Champ. Marn. n. 1630. — Pe- 5533
 ritheciis pilis nigris coronatis; sporulis basidiis dendroideo-ramo-
 sis fultis.

Hab. in ramis decorticatis *Berberidis vulgaris*, St.-Amand Marne Galliæ.

2. **Pyrenochæta Briardi** P. Har. Journ. de Bot. 1891, p. 170. — Peritheciis apice pilosis, congestis v. sparsis, interdum confluentibus, $\frac{1}{5}$ - $\frac{1}{3}$ mm. diam., subepidermicis, erumpentibus, atris, lenticularibus, depressis, pilis rigidis, subulatis, atris, continuis, 48-60 \approx 4-6; sporulis oblongis, cylindraceo-fusiformibus, obtusis, rectis v. curvulis, hyalinis, aliquando 1-2-guttatis, 16-20 \approx 5-7.

Hab. ad ramos aridos *Rubi Idæi*, Méry-sur-Seine, Aube Galliæ.

3. **Pyrenochæta Rubi-idæi** Cav. Mat. Lomb. p. 18, t. II, f. 8. — Maculis hypophyllis, amplis, orbicularibus, fusco-olivaceis; peritheciis superficialibus, sparsis, globoso-piriformibus, initio flavescentibus, pellucidis, demum olivaceo-brunneis, setis rigidiusculis, septulatis, superne vestitis; contextu parenchymatico, tenui, laxo; ostiolo obsoleto v. nullo; basidiis cylindraceis, simplicibus aut ramosis, septulatis, 12-30 \approx 2; sporulis bacillaribus, rectis vel curvulis, hyalinis, 2-3-guttatis, 5,5-6,5 \approx 1,5-2.

Hab. in foliis *Rubi idæi* pr. Pavia Italiæ.

4. **Pyrenochæta Vitis** Viala et Sauv. in Journ. de Bot. 1891, p. 357, t. V, f. 1-9. — Peritheciis globoso-conicis, immersis, ostiolo erumpente prominulo hyphis filiformibus, flexuosis, brunneis, asperulis, deflexis coronato; sporulis tereti-oblongis, obtusulis, leviter curvis, hyalinis, nubiosis, 19 \approx 5; basidiis teretiusculis sporulâ paullo brevioribus.

Hab. in foliis *Vitis ripariæ*, *V. Labruscæ*, *V. cordifoliæ*, *V. æstivalis* Massachusetts, Texas Amer. bor. — Sociâ adest *Phomæ* species peritheciis lenticularibus, 93 \approx 75; sporulis bacillaribus 4 \approx 1,5 hyalinis.

5. **Pyrenochæta Myrtacearum** Speg. F. Puigg. n. 417. — Maculis orbicularibus, determinatis, albido-vel cinerescenti-arescentibus, 2-3 mm. lat.; peritheciis laxe gregariis, lenticularibus, 80-90 μ . diam., ostiolato-barbatulis; ostiolo rotundo, pilis paucis, rigidis, 20-50 \approx 5 coronato; sporulis e globoso-ovoideis, hyalinis, 2-4 \approx 2.

Hab. ad folia viva *Myrtacææ* cujusdam in dumetis pr. Apiahy Brasilæ.

6. **Pyrenochæta Engleri** Speg. F. Guar. II, n. 161. — Peritheciis parvulis, 150-180 μ . diam., globoso-conoideis, atris, epidermide velatis, apice erumpentibus, ac pilis nonnullis atro-fuligineis, continuis, 40-60 \approx 4-5, obtusiusculis, rectis v. vix flexuosulis subpenicillatim

laxe vestitis, subastomis, membranaceis, pellucidis, parenchymatico-olivaceis, densiuscule aggregatis, plagulas atras, velutinas, latiusculas efficientibus; sporulis elliptico-ovoideis vel subcylindræis, utrinque obtusis, 16-20 \approx 5, rectis v. inæquilateralibus, non v. granuloso-farctis, hyalinis.

Hab. ad petiolos emortuos putrescentes *Pothi pinnatifidæ* in silvis pr. Guarapî Brasilæ.

7. **Pyrenochæta leptospora** Sacc. et Briard, Rev. myc. 1889, p. 16. ^{5 539}
— Peritheciis innatis, subepidermicis, $\frac{1}{6}$ - $\frac{1}{5}$ mm. diam., pilis brunneis, simplicibus, 150-170 \approx 4-5, obsitis; sporulis numerosis, suboscillantibus, oblongis vel ovoideis, cylindræis, obtusis, hyalinis, 4-5 \approx 1,5.

Hab. in culmis siccis *Milii effusi*, Troyes Galliæ.

8. **Pyrenochæta decipiens** March. Champ. copr. VI, p. 8. — Peri- ⁵⁵⁴⁰
theciis sparsis, superficialibus, globosis, 150-200 μ . diam., contextu densiuscule parenchymatico, rufo-brunneis, vertice paulum attenuatis, setis rigidis fuscis, 50-80 \approx 3,8-4,5, parce septatis, ostiolo minuto pertusis, basidiis exoletis; sporulis copiosissimis, rectis, ovoideis, utrinque rotundatis, 3,5-4,5 \approx 2-2,3, 2-guttulatis, hyalinis.

Hab. in fimo leporino, Malaise, Brabant.

VERMICULARIA Fr. — Sacc. Syll. III, pag. 221.

1. **Vermicularia minuta** (Link) Lib. Crypt. IV, n. 350 (1837), Syll. III, pag. 228. — Setæ peritheci aciculares basi bulbillosæ, septulatae, 150 \approx 5; sporulæ cylindræo-fusoideæ vel subclavatae, utrinque obtusiusculæ 20-22 \approx 4 continuæ. — Occurrit quoque in caulibus herbarum in Arduennis.

2. **Vermicularia velutina** E. et E. Journ. Myc. 1888, p. 54. — Dense ⁵⁵⁴¹
gregaria; peritheciis membranaceis, erumpentibus, depresso-hemisphæricis, 70-80 μ . diam., pilis rectis, nigro-ardosiacis, 50-100 \approx 3-4 dense vestitis; sporulis leniter incurvis, subhyalinis, guttulatibus, 18-22 \approx 3-3 $\frac{1}{4}$, utrinque subacutis.

Hab. in caulibus dejectis herbaceis, St. Martinsville, Louisiana Amer. bor. (Rev. A. B. LANGLOIS).

3. **Vermicularia asclepiadea** Pass. I. Elenc. Funghi Parm. n. 40 in ⁵⁵⁴²
Comm. Soc. critt. ital. II, p. 440. — A *V. Dematio* differt setis crassioribus, subclavatis, parum numerosis.

Hab. in caulibus siccis *Asclepiadis phytolaccoidis*, Parma Ital. bor.

4. **Vermicularia solanoica** Fairm. Contr. Myc. West. N. Y. p. 49. — ⁵⁵⁴³

Peritheciis superficialibus, numerosis, nigris, 150-175 μ . diam.; setulis paucis, plerumque 1-septatis, subinde continuis, longitudine variis, majoribus sensim acuminato-attenuatis, brunneolis, apicibus subhyalinis, 75-100 \approx 5 (basi); sporulis oblongis, fusoides, subarcuatis, 25-30 \approx 2,5-3, dilute viridibus, continuis vel prope centrum vix 1-septatis, granulosis, guttatis.

Hab. in caulibus emortuis Solani Dulcamaræ, Ridgeway Orleans Co, New York Amer. bor.

5. **Vermicularia Dematium** (Pers.) Fr. — Syll. III, p. 215. — Var. 5544
fennica Kart. Symb. XX, p. 95. — Peritheciis oblongatis vel conoideo-rotundatis, subinde confluentibus, vertice setulis atris, usque ad 0,4 mm. long. obsessis, usque ad 0,5 mm. lat.; sporulis fusoides-elongatis, utrinque apice acutiusculis, curvulis, sæpe spurie 1-septatis, 21-24 \approx 2,5-4.

Hab. in caulibus emortuis Umbelliferarum prope Mustiala Fennicæ.

6. **Vermicularia complanata** Karst. Sphærops. Fennic. pag. 67. — 5545
 Peritheciis gregariis, raro sparsis, superficialibus, liberis, complanatis, orbicularibus, subastomis, pallescentibus, intus albidis, membranaceis, tenuissimis, contextu arcte minuteque celluloso, undique pilis fuscis, decumbentibus, repentibus, æqualibus vix articulatis, unicoloribus, usque ad 425 μ . longis et 3-5 μ . cr. densissime vestitis, 0,1 mm. vel paullo ultra latis; sporulis fusoides-elongatis vel cylindræis, rectis vel leniter curvulis, simplicibus, hyalinis, 4-6 \approx 0,5-1; basidiis filiformibus, ramosis, 30-45 \approx 2-3.

Hab. in caulibus aridis Umbelliferarum majorum prope Mustiala Fennicæ. — Ubi basidia constanter ramosa, genus novum *Pyrenochætella* a cl. Karsten propositum (Hedw. 1885, pag. 74) servari meretur.

7. **Vermicularia phlogina** Fairm. Bot. Gaz. 1887, p. 67. — Perithe- 5546
 ciis teneris, minutis, superficialibus, setulis varie longis, continuis vel septatis, fuscis, sursum pallidioribus, 60-100 \approx 5-7, apice obtusis laxè vestitis; sporulis oblongo-fusoides, curvulis, plasmate medio imperfecte partito, 15-20 \approx 2,5-3.

Hab. in foliis Phlogis divaricatæ, Ridgeway Orleans County N. Y. Amer. bor. — A *V. coptina* peritheciis minoribus, pallidioribus etc. differt.

8. **Vermicularia Ranunculi** Briard Rev. Myc. 1889, p. 16. — Peri- 5547
 theciis epiphyllis, globulosis, nigris, nitentibus, $\frac{1}{8}$ - $\frac{1}{7}$ mm. diam., pilis rectis, rigidis, cuspidatis, basi saturate brunneis supra sub-

hyalinis, 1-2-septatis, 60-100 \approx 8; sporulis fusoides, obtusiusculis, guttulato-granulosis, curvis vel subrectis, hyalinis, 24-28 \approx 4.

Hab. in foliis emortuis Ranunculi auricomi, sociâ *Ramulariâ æquivocâ*, Aube Galliæ.

9. **Vermicularia sparsipila** Ell. et Kell. in Journ. Myc. 1888, p. 26. 5548

— Maculis sordide brunneis, irregularibus, 0,5-1 cm. diam.; peritheciis epiphyllis erumpentibus, pallidis, 75 μ . diam., subastomis, dense sparsis, prope apicem pilis paucis (2-6), erectis, atro-brunneis, continuis, 40-60 \approx 5 præditis; sporulis oblongo-ellipsoideis, 2-guttatis, 18-20 \approx 5-6, utrinque obtusis.

Hab. in foliis viventibus Callirrhois involucratæ, Rooks Co., Kansas Amer. bor. (E. BARTHOLOMEW), socio *Æcidio tuberculato*.

10. **Vermicularia Telephii** Karst. Symb. Myc. Fenn. XXVIII, p. 13. — 5549

Peritheciis sparsis, erumpenti-superficialibus, sphæroideis, atris, punctiformibus, vertice setis divergentibus, strictis, inarticulatis, atris, 100-150 μ . long. coronatis; sporulis fusoides-bacillaribus, utrinque acutato-angulatis, curvulis, guttulatis, hyalinis, 22-32 \approx 4. 15 \approx 4-5.

Hab. in foliis Sedi Thelephii aridis ad Aboam Fenniæ (KARSTEN).

11. **Vermicularia Clarkiæ** Fautrey Rev. Myc. 1891, p. 78. — Macu- 5550

lis orbicularibus, dein irregularibus vel confluentibus, ochraceis, rubro-cinctis; peritheciis epiphyllis, secus orbis dispositis, innatis, prominulis, astomis, pilis paucis, subulatis, rigidis, divergentibus; sporulis cylindræo-rotundatis, simplicibus, hyalinis, granulosis, 18-20 \approx 5-6.

Hab. in foliis Clarkiæ elegantis, Noidan Côte-d'Or Galliæ.

12. **Vermicularia microchæta** Passer. Diagn. F. N. IV, n. 47. — Pe- 5551

ritheciis in maculis exaridis, albicantibus, sparsis, punctiformibus, atris, basi setulis rigidis, integris, fuscis, 40-50 μ . long. cinctis; sporulis elongatis, rectis, utrinque rotundatis, hyalinis, 12,5-

Hab. in foliis vivis Camelliæ japonicæ in horto botanico parmensi Ital. bor.

13. **Vermicularia? Melastomacearum** Speg. F. Puigg. n. 418. — Ma- 5552

culis cinerescens, determinatis, epiphyllis, orbicularibus, 2-5 mm. lat.; peritheciis epiphyllis, lenticularibus, astomis, 80-90 μ . diam., superne setulis paucis, rigidulis, 30 \approx 3, fuliginosis, 2-3-septatis præditis; sporulis cylindræis, hyalinis supra obtusis, subtus acutiusculis, 12-15 \approx 4.

Hab. ad folia viva Melastomaceæ cujusdam in silvis prope Apiahy Brasiliæ.

14. **Vermicularia acuum** Oud. Contr. Flor. Myc. Pays-Bas XI. p. 28. 5553
— Peritheciis seriatim dispositis, nigris, 100-120 μ . diam., subsphæricis, sursum plus minusve conoideis, contextu parenchymatico, minuto, setis raris, carneis, atris 4-septatis ornatis, astomis; sporulis hyalinis, ellipsoideis, 7 \approx 3,5.

Hab. in acubus Abietis excelsæ, Putten Hollandiæ.

15. **Vermicularia Libertiana** Roum. in Rev. Myc. 1886, pag. 91. — 5554
Peritheciis minutis, globulosis, atris, erumpentibus, leniter depressis, vix $\frac{1}{6}$ mm. diam., pilis rigidis brunneis, apice pallidioribus, 40-45 \approx 2-3, irregulariter septatis; sporulis curvatis, fusiformibus, hyalinis, 8-10 \approx 3.

Hab. in acubus delapsis Pini, Malmedy Galliæ.

16. **Vermicularia tenuissima** Pat. Bull. Soc. Myc. 1888, pag. 121. — 5555
Peritheciis numerosis, sparsis, punctiformibus, nigris, subepidermicis, pilis brunneis, basi incrassatis, septatis, 65-80 \approx 3-6 præditis; sporulis ovoideo-oblongatis, rectis, vix luteolis, 26 \approx 6.

Hab. in foliis coriaceis, Puerto-Zamuro Venezuelæ.

17. **Vermicularia Syringæ** Oud. Aanw. IX-X, p. 32. — Peritheciis 5556
membranaceis, immersis, fuscescentibus, vertice setis 5-7, angulatum flexuosis, articulatis, sursum conidia 2-3-septata, ovalia vel oblonga, dilutius colorata sustentibus præditis; sporulis hyalinis, minutissimis, ellipsoideis, continuis.

Hab. in capsulis effœtis Syringæ vulgaris, Putten Hollandiæ.

18. **Vermicularia hibiscina** E. et E. Journ. Myc. 1888, pag. 123. — 5557
Peritheciis erumpentibus, subseriatis, 0,5 mm. diam., setulis nigris, dense vestitis, 80-100 \approx 4; sporulis falcato-fusoideis, 15-20 \approx 3-4.

Hab. in Hibisco Manioth, Pointe à la Hache, Louisiana Amer. bor. (LANGLOIS).

19. **Vermicularia corvina** Karst. et Har. Journ. Bot. 1890, p. 359. 5558
— Peritheciis sparsis, superficialibus, rotundatis, leniter applanatis vel lenticularibus, atris, undique setulis divergentibus, strictis, continuis, concoloribus, 85-100 \approx 8, obsitis, ostiolo in statu humido sat lato pertusis, circ. 0,2 mm. diam.; sporulis fusoideo-bacillaribus, curvulis, continuis, hyalinis, 20-22 \approx 2-3; basidiis 70-80 \approx 0,5.

Hab. in ligno denudato et semiputrescenti Salicum, Taurini in Italia boreali (DE NOTARIS). — *V. epixylæ* affinis.

20. **Vermicularia Tofieldiæ** Pat. in Rev. Myc. 1886, pag. 83. — Peritheciis minutis, sparsis, superficialibus, pilis filiformibus, nigris, circiter perithecio duplo longioribus; sporulis 21 μ . longis, hyalinis, curvis, continuis. 5559
- Hab.* in foliis exsiccatis Tofieldiæ, Thibet orient. Asiæ (AB. DAVID).
21. **Vermicularia Asparagi** Delacr. Bull. Soc. Myc. VI, 1890, p. 100, t. XV, f. VII. — Peritheciis subsuperficialibus, depressis, 250 \approx 160 astomis, atris, setulis rigidis fuscis, apice pallidioribus, septatis, 60-100 \approx 5 vestitis, gregariis, mycelio dematioideo intermixtis; sporulis hyalinis, cylindraceutis, utrinque rotundatis, guttulatis, curvulis vel subrectis, 15-23 \approx 2. 5560
- Hab.* in caule sicco Asparagi officinalis, Herblay prope Paris Galliæ. — *V. Dematio* sat affinis sed sporulis teretibus, dimidio angustioribus diversa.
22. **Vermicularia heterochæta** Passer. Diagn. F. N. IV, n. 99. — Peritheciis sparsis vel subgregariis, erumpentibus, atris, setosis, setis atris, brevibus, nonnullis 3-4-plo longioribus; sporulis fusiformibus, hyalinis, leniter curvis, muticis, 20 \approx 3-4. 5561
- Hab.* in scapo Muscari comosi, Vigheffio prope Parma Italiæ borealis.
23. **Vermicularia Ophiopogonis** Pat. in Rev. Myc. 1886, pag. 83. — Peritheciis primo epidermide tectis dein liberis, atris, rotundis vel parum elongatis, setis nigris continuis præditis; sporulis fusiformibus, rectis vel parum curvatis, hyalinis, uniseptatis, 24-27 μ . longis. 5562
- Hab.* in foliis Ophiopogonis gracilis, Thibet Orient. Asiæ.
24. **Vermicularia veratrina** Ell. et Ev. Proc. Ac. Phil. 1891, p. 78. — Peritheciis irregulariter sparsis, minutis 75 μ . diam., plerumque supra imperfectis, lateraliter setis nigris, erectis, 70-150 \approx 4-5 vestitis; sporulis fusoidæo-cylindraceutis, guttatis, utrinque subincurvis, 15-22 \approx 2,5-3. 5563
- Hab.* in foliis subemortuis Veratri viridis, Wilmington Del. Amer. bor. (COMMONS).
25. **Vermicularia Heleocharidis** Pat. in Rev. Myc. 1886, pag. 181. — Minuta; peritheciis epidermide tectis, apice fasciculo parvo setarum septatarum, 50-65 μ . long. ornatis; sporulis hyalinis, continuis, fusoidæis, rectis vel curvulis, uno apice acute mucronatis, 15-17 \approx 5. 5564
- Hab.* in Heleocharide, Yunnan Sinarum (AB. DELAVAY).

26. **Vermicularia Davalliana** Briard et Har. Rev. Myc. 1889, p. 16. — 5565
Peritheciis innatis, minutissimis, sparsis, subseriatis, $\frac{1}{9}$ - $\frac{1}{8}$ mm.; pilis subulatis, nigris, opacis, 72-100 \approx 5-6; sporulis fusoides, leniter curvulis, obtusiusculis, obscure guttulatis, hyalinis, 24 \approx 3-4.
Hab. in foliis emortuis Caricis Davallianæ, Aube Galliæ.
27. **Vermicularia affinis** Sacc. et Briard in Rev. Myc. 1885. — Pe- 5566
ritheciis nigris, innatis, in series parallelas dispositis, pilis brevibus rectis, paucis, epidermidem perforantibus præditis; sporulis falciformibus, hyalinis, simplicibus, 20-24 \approx 4.
Hab. in culmis siccis Graminaceæ cujusdam prope Troyes Galliæ.
28. **Vermicularia straminis** Cooke et Hark. in Grevillea XIII, p. 112. 5567
— Peritheciis subgregariis, globoso-depressis, atris, $\frac{1}{3}$ mm. diam., setis rigidis, 15 μ . long., sparsis, erectis ornatis; sporulis cylindraceis, utrinque rotundatis, rectis, continuis, hyalinis, 12 \approx 3,5.
Hab. in culmis in California (HARKNESS).
29. **Vermicularia Graminum** Bacc. Funghi Avellin. p. 372. — Peri- 5568
theciis sparsis, globoso-depressis, nigris, setis rigidulis, basi atrofuliginis, apice expallescens, obsolete septulatis vel continuis vestitis, membranaceis, nigro-viescentibus; sporulis navicularibus, utrinque obtusulis, 14 \approx 2.
Hab. in culmis putridis Graminum prope Scholam Cœnologicam, Avellino Ital. inf.
30. **Vermicularia minima** Karst. Fr. XXIV, p. 24. — Peritheciis spar- 5569
sis, innatis sphæroideis, fuligineo-atris, 50-75 μ . diam., setulis epidermidem perforantibus, longitudine perithecorum; sporulis cylindraceis, rectis, eguttulatis, hyalinis, circ. 4-5 \approx 1.
Hab. in culmis aridis graminum (Poæ?) pr. Mustiala Fennicæ.
31. **Vermicularie Lolii** Fautr. Rev. Myc. 1891, p. 131. — Setis diva- 5570
ricatis, incurvis, 1-10 in acervos longe seriatis dispositis; sporulis fusoides, acutis, incurvis, 22-26 \approx 5,6.
Hab. in caulibus et glumis Lolii perennis, Noidan Côte-d'Or Galliæ (F. FAUTREY), sociâ *Pucciniâ coronatâ*. — «An *Colletotrichum?*».
32. **Vermicularia sanguinea** Ell. et Halst. in Journ. Myc. 1888, p. 8. 5571
— Maculis amphigenis, subellipsoideis, 2-3 mm. diam., primo minoribus et purpureis, dein majoribus et nigris, tandem centro albis, purpureo-cinctis; peritheciis erumpentibus, subconcentrice dispositis vel irregulariter sparsis vel in centro maculæ dense gregariis, depresso-globosis, supra pertusis, setis rectis, nigris, con-

tinuis vel parce septatis, 60-90 \approx 3-3,5 præditis; sporulis latis, arcuato-fusoideis, supra angustioribus et acutioribus, hyalinis, granulosis, guttatis, 20-22 \approx 6.

Hab. in foliis *Panici* sp., Ames, Jowa Amer. bor. (HALSTED).

33. **Vermicularia discoidea** Ell. et Langl. Journ. of Mycol. 1890, p. 37. 5572

— Peritheciis epidermide primo tectis, discoideis, 0,5-1 mm. diam., orbicularibus vel subellipsoideis, setulis rectis, continuis, nigris, 79-80 \approx 4-5, basi subbulbosis, densiuscule et æqualiter vestitis; sporulis falcatis, utrinque acutis, 3-4-guttatis, hyalinis, 35-40 \approx 5.

Hab. in culmis *Panici* proliferi, Pointe à la Hache Louisiana Amer. bor. (LANGLOIS).

34. **Vermicularia Scolopendrii** Passer. Diagn. F. N. IV, n. 98. — Pe. 5573

Peritheciis epiphyllis, crebre sparsis, in macula ampla, castaneo-fusca v. marginali v. folii partem magnam occupante, tectis, lenticularibus, membranaceis, fuscis, setis brevibus aut longiusculis, fusco-nigris, apice pellucidis, integris basi præsertim, vestitis; sporulis oblongo-ellipticis, integris, hyalinis, endoplasmate granuloso, 12-15 \approx 4-5, interdum guttulatis, basidiis brevibus, crassiusculis fultis.

Hab. in foliis *Scolopendrii* officinarum in vase culti, Parma Ital. bor.

35. **Vermicularia cicadina** E. et K. Journ. Myc. 1887, p. 126. — Pe. 5574

Peritheciis sparsis, depresso-hemisphæricis, 100-120 μ . diam., setis erectis, diffusis, opacis, continuis, 75 μ . long., basi subbulbosis, parce vestitis; sporulis arcuato-fusoideis, utrinque subacutis, hyalinis, circ. 22 \approx 2,5, basidiis clavato-oblongis, circ. 10 \approx 2,5.

Hab. in alis *Cicadæ* emortuæ, Manhattan, Kansas Americæ borealis.

DOTHIOPSIS Karst. Hedw. 1884, p. 20, Sphærops. Fenn. p. 15 (Etym.

Dothidea et *opsis* facies), *Dothiora* et *Dothiorella* Auct. p. p. — Stromata depressa, erumpentia, subcarbonacea, atra, intus griseo-atra, unilocularia. Sporulæ ovales v. suballantoideæ, continuæ, hyalinæ. — Ad hoc genus præter species sequentes, spectant teste auctore quoque *D. pyrenophora* (Fr.) Karst. Cfr. Syll. III, p. 238 et *D. Syringæ* Karst. Cfr. Syll. III, p. 239.

1. **Dothiopsis Spirææ** Karst. et Har. Rev. Myc. 1890, n. 47. — Stro. 5575

matibus gregariis, per epidermidem fissam erumpentibus, ab laciniis ejus cinctis, pulvinatis v. globulosis, unilocularibus, atris, in-

tus pallidis, minutis; sporulis fusoido-elongatis, rectis, 7-8 \approx 1-1,5; basidiis falcatis, 18-21 \approx 0,5.

Hab. in ramulis siccis Spirææ salicifoliæ, Torino Ital. bor. (DE NOTARIS). — *Dothiopsidi pyrenophoræ* var. *Salicis* Karst. proxima.

2. **Dothiopsis eunomia** Karst. Hedw. 1884, p. 20 et Sphærops. Fenn. 5576 p. 17. — Stromatibus gregariis, peridermio elevato rimose fissis tectis, vulgo rotundatis unilocularibus, 0,3-0,6 mm. lat., atris, intus in griseum vergentibus; sporulis elongatis, rectis vel leniter curvulis, eguttatis, hyalinis, 4-5 \approx 0,5-1.

Hab. in ramulis Fraxini excelsioris exsiccatis in agro mustialensi Fennicæ. — « An *Dendrophoma pruinosa*, prætervisis basidiis? ».

DOTHIORELLA Sacc. Syll. III, p. 235.

1. **Dothiorella diatrypoides** Sacc. et Berl. Misc. Myc. II, p. 29, t. IX, 5577 f. 15. — Acervulis transverse erumpentibus, pulvinatis, diatrypoides, atris, 2 mm. latis; peritheciis dense congestis, globosis, minute papillatis, $\frac{1}{6}$ mm. diam.; sporulis oblongo-fusoides, 28-31 \approx 9-11, pluriguttulatis, hyalinis; basidiis sporulâ paullo brevioribus, bacillaribus fasciculatis.

Hab. in ramis emortuis corticatis Cerasi, Fiumicello prope Padova Ital. bor.

2. **Dothiorella Amygdali** Cooke et Masee Grev. XIX, p. 91. — Pe- 5578 ritheciis innatis, botryose aggregatis, transverse erumpentibus, opace nigris, non papillatis, udis setis gelatinosis; sporulis ellipsoideis, hyalinis, intus granulosus, 22-25 \approx 8-10; basidiis crassiusculis sporulas æquantibus.

Hab. in cortice Persicæ et Amygdali communis, Victoria Australiæ (Mrs. MARTIN).

3. **Dothiorella Eucalypti** (B. et Br.) Sacc., *Sphæropsis* B. et Br. Brisb. 5579 III, p. 221, t. XXIX, f. 15-17. — Peritheciis globosis, in corpore sclerotioideo insidentibus, nigris, nitidis; sporulis linearibus, hyalinis, 25 μ . longis.

Hab. in foliis Eucalypti, ut videtur, Melbourne Australiæ (Miss. CAMPBELL). — Stromata seu sclerotia laxè spongiosa, intus pallide brunnea, 4-7 perithecia ferentia.

4. **Dothiorella Robiniæ** Prill. et Delacr. Bull. Soc. Mycol. 1890, p. 137. 5580 — Peritheciis plus minus elongatis et irregularibus, stromate immersis; stromatibus fuscis, in cortice tumido apiceque perforato ni-

dulantibus, librum infarcentibus; sporulis utrinque acutiusculis, biguttatis v. interdum triguttatis, $10,5-12 \approx 3,5-4$; basidiis rectis v. sæpius curvulis, acutis, $30 \approx 1$.

Hab. in cortice ramorum *Robinia Pseudacaciae*, Herblay et Joinville-le-Pont pr. Paris Gallia.

5. **Dothiorella Fraxini** (Lib.) Sacc. F. Ardenn. n. 150, *Ascochyta Fraxini* Lib. Crypt. I, n. 48 (1830). — Erumpenti-innata, difformis, atra; stromate ambiente effuso; peritheciis erumpentibus, connatis, globosis, papillatis; cirris albis; sporulis ovato-oblongis, $26-30 \approx 12$, granulosis, hyalinis, basidiis brevissimis suffultis. 5581

Hab. in cortice *Fraxini excelsioris* in Arduennis.

6. **Dothiorella Chimonanthi** Passer. Diagn. F. N. IV, p. 10. — Peritheciis cæspitose-aggregatis, erumpentibus, globosis vel depressis, atris; sporulis ovalibus, hyalinis, integris, $5-7,5 \approx 2,5-3$; basidiis fasciculatis, continuis, ramosis, 20μ . circiter longis. 5582

Hab. in ramulis aridis *Chimonanthi fragrantis*, Parma in horto botanico, Ital. bor. — Occurrunt quoque perithecia prorsus similia sed sporulis bacillaribus minutissimis hyalinis repleta, basidiisque nullis visis. An *Dothiorellæ* forma altera?

7. **Dothiorella guaranítica** Speg. F. Guar. II, n. 162. — Peritheciis v. loculis minutis, $80-90 \mu$. diam., globosis, dense constipatis, stromatibus verrucæformibus erumpenti-subsuperficialibus, laxe gregariis, atro-carbonaceis, contextu indistincto donatis immersis, albo-farctis; sporulis ovoideis, majusculis, $24-26 \approx 12-15$, crassiuscule tunicatis, granuloso-farctis, hyalinis, sterigmatibus papillæformibus brevibus ac crassis suffultis, atque paraphysibus longioribus filiformibus, densiusculis obvallatis. 5583

Hab. ad corticem ramulorum *Citri Aurantii* in cultis prope Guarapí Brasiliæ. — Stromata hemisphærico-suborbicularia, $0,5-1$ mm. diam., atra, levia, apothecia lichenina simulantia. An status immaturus *Haplosporellæ* cujusdam?

8. **Dothiorella illicicola** Oud. Contr. Mycol. XIII, p. 38, t. 8, f. 24. — Stromatibus carnosis, pulvinatis, erumpentibus, peridermate lacerato cinctis, undique sub villo pallide ochraceo, ex hyphis subtilissimis, p. m. crispatis, ramosis intertexto, absconditis, intus cavernis pluribus, ex ambitu globosis vel mutua pressione angulatis, pariete proprio carentibus præditis; sporulis maturis dilute roseis, sterigmate brevi, crassiusculo, hyalino suffultis, ovalibus, ovatis vel ovato-oblongis, continuis, episporio crassiusculo, intus densissime granulosis, $35 \approx 12$. 5584

Hab. in ramis *Ilicis opacæ* in horto botanico Amsterdam Nederlandiæ (PLEMPER VAN BALEN). — «An potius *Fusicocci* species?».

9. **Dothiorella Myricariæ** Cooke et Masee Grev. XVI, p. 7. — Stro- 5585
matibus gregariis, erumpentibus verruciformibus; peritheciis minutis, atris, subpapillatis, in quoque stromate haud numerosis; sporulis ovato-oblongis, 8-10 \approx 6.

Hab. in ramulis *Myricariæ dahuricæ*, Kew London Britanniae.

10. **Dothiorella Winterii** Speg. F. Fueg. n. 391. — Stromatibus tu- 5586
berculoso-subhemisphaericis, 1-3 mm. diam. cortice insidentibus, per peridermium erumpentibus ac subsuperficialibus, atris; peritheciis in stromate peripherice constipatis semiexsertis, globulosis, 150-180 μ ., atris, glabris, astomis, subcarbonaceis, contextu indistincto; sterigmatibus di- v. tri-chotomis 18-20 \approx 0,5-1, ramulis sæpius ovatis v. obclavatis, apice acutis, hyalinis; sporulis cylindraceis v. allantoides, minutissimis 2-2,5 \approx 0,5-0,8, hyalinis.

Hab. in ramis emortuis *Drymidis Winterii* prope Port Cook in Staten island Fuegiæ.

11. **Dothiorella Mahagoni** Thüm. in Hanausek. Cfr. Bot. Centralblatt 5587
1881, III, p. 33. — Stromate basilari subfusco, peritheciis simplicibus vel plerumque botryose aggregatis confluentibusque subdepresso-hemisphaericis, obscure fuscis, opacis; sporulis numerosis, pro ratione magnis, ellipticis vel interdum ovoideo-ellipsoideis utrinque rotundatis, pedicellatis vel basidiis brevibus hyalinis fultis, simplicibus, hyalinis vel pallidissime luteolo-tinctis, episporio levi, subcrasso, 21-25 \approx 10-11.

Hab. in fructibus *Swietenia Mahagoni*, ubi maculas nigras efficit, in India occidentali.

12. **Dothiorella Cedrelæ** Pat. Bull. Soc. Myc. 1891, p. 178. — Stro- 5588
matibus erumpentibus, 0,5-1 mm. diam., nigris, in cortice interiore nidulantibus, gregariis sed liberis, coriaceis, 3-6-ocularibus; loculis 100-150 \approx 120; basidiis linearibus, hyalinis, simplicibus, 20 μ . longis; sporulis ovoideo-fusoideis, continuis, hyalinis, utrinque acutatis, 2-guttatis, 8-10 \approx 2-5.

Hab. in fructibus *Cedrelæ bogotensis*, Quito Æquatoriæ (LAGERHEIM).

13. **Dothiorella dryophila** Sacc. et Br. Rev. Myc. 1890, n. 47. — Pe- 5589
ritheciis cæspitosis v. sparsis, innato-erumpentibus, initio albo-flavidis, dein nigris, oblongis v. globulosis, sæpe secus fibras ligni se-

riatis; sporulis ovato-globulosis, hyalinis, sub microscopio lucentibus, 5-6 \approx 3,5-4; basidiis brevissimis.

Hab. in schidiis quercinis, Saint Cloud Seine et Oise Galliæ (herb. TULASNE).

14. **Dothiorella Mori** Berl. Fungi Moricolæ fasc. I, tab. 8. — Erumpens, epidermide laceratâ cincta; peritheciis aggregatis vel in stromate nidulantibus, vix papillatis, atris; nucleo albido, pulposo; sporulis ovato-oblongis, episporio crassiusculo donatis, intus granulosis vel minute guttulatis, hyalinis, 28-30 \approx 12-14, continuis; basidiis filiformibus crassiusculis, brevibus suffultis, hyalinis, junioribus apice inflatis guttuligerisque, 20-30 \approx 3-4.

Hab. in ramis corticatis emortuis Mori albæ et nigræ, Fiumicello Ital. bor.

15. **Dothiorella endorrhodia** Berl. Fungi Mor. fasc. I, tab. 8. — Peritheciis 3-6-aggregatis, in stromate tecto dein epidermide scissa erumpente nidulantibus, atris, perforatis, globosis vel mutua pressione angulatis, nucleo amœne roseo farctis, demum evacuatis; sporulis ovato-oblongis, episporio crassiusculo, granulosis vel pluriguttulatis, continuis, dilute roseis, 25-28 \approx 10-12; basidiis brevibus, crassiusculis, juvenilibus apice inflato, guttuligero, 20-25 \approx 3-4, suffultis, hyalinis.

Hab. in ramis crassioribus emortuis Mori albæ, Padova Ital. bor. — Species perpulchra, peritheciis nucleo læte roseo donatis mox dignoscenda.

16. **Dothiorella corylina** Karst. Sphærops. Fenn. p. 46. — Peritheciis subcæspitosis v. solitariis, sphæroideis, atris, exiguis; sporulis elongatis, continuis, 3-4 \approx 0,5-1.

Hab. in ramulis emortuis Coryli Avellanæ in Fennia meridionali, sociâ *Othiâ corylinâ* Karst.

17. **Dothiorella decorticata** Ell. et Ev. Journ. Mycol. 1888. p. 50. — Peritheciis erumpentibus, supra depressis, plus minus confluentibus vel connatis, tubercula sparsa, minuta, 1-2 mm. lat. formantibus, subinde hyphis brunneis conspersis; sporulis ovoideis strato subgelatinoso obductis, hyalinis, 18-23 \approx 12-16; basidiis obtusis sporulas subæquantibus.

Hab. in ramis decorticatis Populi, Louisiana Amer. borealis (LANGLOIS).

18. **Dothiorella populina** Karst. Sphærops. Fenn. p. 45. — Peritheciis erumpentibus, sphæroideis, atris, exiguis; sporulis oblongatis, continuis, 5-6 \approx 2.

Hab. in ramulis exsiccatis Populi nigræ in horto mustialensi Fennicæ. — Socia adest *Othia populina* Karst.

19. **Dothiorella Celtidis** Peck 44 Rep. pag. 23. — Stromate minuto, 5595
depresso, suborbiculari, cortice interiori innato, dein erumpente;
peritheciis stromate immersis; sporulis oblongis, obovatis v. sub-
fusoideis, sæpe 2-nucleatis vel 3-nucleatis, hyalinis, 20-25 \times 7-8,5,
subinde in massam albidam eructatis.

Hab. in ramis emortuis Celtidis occidentalis, Saugerties
Amer. bor.

20. **Dothiorella strobilina** (Lib.) Sacc. *Ascochyta strobilina* Lib. Crypt. 5596
III, n. 150 (1832). — Erumpens, rotunda, epidermide lacerata cincta,
stromate nigro; peritheciis immersis, confertis, minutis, ostiis glo-
bosis; cirris albis; sporulis cylindræis utrinque rotundatis, 12-
15 \times 2,5-3, hyalinis, basidiis plus dimidio brevioribus acicularibus
suffultis.

Hab. in pag. exteriori squamarum Abietum in Arduennis.

21. **Dothiorella Viscariæ** Karst. in Hedw. 1887, p. 127. — Stromatibus 5597
gregariis nonnumquam subconfluentibus, per epidermidem laciniatim
fissam erumpentibus, planiusculis, forma variis ut plurimum
rotundatis, fusco-atris usque ad 1 mm. latis; peritheciis stromate
basi innatis, ovoideis, sæpe in papillam conoideam attenuatis, nigris,
nitidis, exiguis; sporulis fuscoideis-elongatis, rectis, 12-15 \times 3.

Hab. in foliis putrescentibus Viscariæ vulgaris prope Mu-
stia Fennicæ (ONNI KARSTEN).

22. **Dothiorella Nelumbii** Ell. et Anders. Bot. Gaz. 1891, p. 46. — Pe- 5598
ritheciis sparsis, semierumpentibus, rugosis, nigris, supra pertusis,
150 μ . diam., depresso-sphæroideis vel sublenticularibus; sporulis
oblongo-fusoideis, hyalinis, 15-22 \times 6-7.

Hab. in receptaculo Nelumbii, Washington Amer. bor. —
Facie *Sphærellæ* describitur, an ergo potius *Macrophoma*?

23. **Dothiorella pericarpica** Sacc. Myc. Austral. n. 83, fig. 5. — Pe- 5599
ritheciis in cæspitulos erumpentes, atros, pulvinatos, tuberculosos,
inæquales vix 1 mm. lat., botryose aggregatis, globoso-angulosis,
minutis, intus pallidioribus; sporulis breve fuscoideis rectis, rarius
curvulis, 5-6 \times 2, hyalinis, continuis; basidiis e basi sporigera ochra-
cea fasciculatim oriundis, bacillaribus, 25-30 \times 1,5, hyalinis.

Hab. in pericarpio *Macrozamiæ Denisonii*, Australia.

RABENHORSTIA Fr. — Syll. III, p. 243.

1. **Rabenhorstia ribesia** Cooke et Mass. Grev. XVI, p. 7. — Stroma- 5600

te v. conceptaculo erumpente, globoso-truncato, sæpe discoideo intus pluriloculari, subcarbonaceo, atro; sporulis ellipsoideis, continuis, hyalinis, $20 \approx 10$.

Hab. in ramulis tenellis Ribis aurei, Kew London Britanniae. — Habitus omnino *Plowrightiæ ribesiæ*.

2. **Rabenhorstia Fourcroyæ** Passer. Diagn. F. N. IV, n. 100. — Stro- 5601
matibus superficialibus aggregatis subglobosis, granuloso-rugosis atris et pruina crystalloidea, alba conspersis, intus subcarnosis fimidis, varie locellatis; sporulis minutulis oblongo-ovalibus integris ad polos nitide nucleatis, $5 \approx 2$, hyalinis; basidiis filiformibus, 15-20 μ . long.

Hab. in vagina putrescente foliorum caulinarum Fourcroyæ giganteæ in horto botanico Parma Ital. bor.

FUCKELIA Bon. — Syll. III, p. 244.

1. **Fuckelia? antarctica** Speg. F. Fueg. n. 394. — Stromatibus ellipticis 2-5 mm. long., 1-2 mm. lat., densiuscule sparsis transverse erumpentibus pulvinulatis, margine truncatis, rarius subeffusis, superne applanatis, non v. vix scrupuloso-rugulosis, coriaceo-carnosis ex atro v. fusco purpurascens; contextu densissime parenchymatico plus minusve distincto; oculis dense constipatis, non v. vix prominulis minutis 80-100 μ . diam.; sporulis globosis v. ovoideis 8-12 \approx 8-10, inferne subapiculato-angulatis, crassiuscule tunicatis granuloso-farctis hyalinis; basidiis filiformibus longiusculis 10-15 \approx 1-2, concoloribus. 5602

Hab. ad ramos emortuos subputrescentes Fagorum in Staten island et prope Ushuvaia Fuegiæ. — Species statum spermogonicum *Cenangii australis* sistens, a genere satis tamen desciscens.

PLACOSPHERIA Sacc. Syll. III, p. 244.

1. **Placosphæria clypeata** Br. et Har. Journ. de Bot. 1891, p. 171. — 5603
Stromate innato, oblongo-lanceolato, convexo, intus et extus atrato, epidermide tumefacta et nigrificata, 1-2 mm. long., 0,3-0,5 mm. lat., obscure pluriloculari; ostioliis leniter prominentibus; sporulis numerosis, oblongis, obtusis, 2-guttatis, hyalinis, 6-8 \approx 2,5-3; basidiis brevibus, sporulas æquantibus.

Hab. ad caules siccos Spirææ Ulmariae, Droupt Sainte-Marie (Aube) Galliae (P. HARIOT).

2. **Placosphæria citricola** Berl. in Roum. Rev. mycol. 1888, pag. 78, 5604

t. 47. f. 3. — Stromatibus sparsis v. subgregariis, minutis, 150-200 μ . diam., erumpentibus, late conoideis, vix prominulis, atris, nitidis, carbonaceis; loculis haud bene distinctis, nucleis forma variis; sporulis minutissimis, 3-4,5 \times 2, numerosis, hyalinis; basidiis sporulas æquantibus v. vix excedentibus.

Hab. in foliis adhuc vivis Citri Bigaradiæ, Tonkin (BALANSA).

3. **Placosphæria Onobrychidis** (DC.) Sacc. Syll. III, p. 245. — Var. **minuta** Brunaud Liste Sphærops. pag. 24. — Stromatibus 4-5 mm. longis, 2-3 mm. latis. 5605

Hab. in foliis et caulibus Onobrychidis sativæ pr. Saintes Galliæ. — Var. **exappendiculata** Brun. l. c. Stromatibus crustaceis, nigris vel brunneo-nigris, ovoideis, oblongis vel irregularibus, minutis, totum folium vel partem ejus tegentibus, sæpe cauliculis, intus fuscescentibus; sporulis subsphæroideis vel ovoideis, irregularibus, hyalinis, 7-8 \approx 4-5, exappendiculatis. In p. sup. et inf. foliorum et in caulibus Onobrychidis sativæ, Arces Galliæ.

4. **Placosphæria Sedi** Sacc. — Syll. III, p. 245 — var. **Loti** Berl. Exc. Frioul p. 23. — Stromatibus sparsis, piceis, parum prominentibus, intus obscure locellatis, ellipsoideis, epidermide velatis, usque 1 mm. long.; sporulis cylindræis, valde curvatis, utrinque rotundatis, continuis, non guttulatis, 21-24 \approx 3, hyalinis; basidiis brevibus. 5606

Hab. in caulibus emortuis Loti corniculati, Osoppo Friuli Ital. bor.

5. **Placosphæria Genistæ** Brun. Miscell. Mycol. p. 17. — Stromatibus sparsis, brunneo-nigris, nitidis, planis, circularibus v. suboblongis, intus brunneis; sporulis ovoideis, hyalinis, 4 \approx 2,7-3, continuis. 5607

Hab. in foliis ramulisque Genistæ tinctoriæ, Fouras Galliæ.

6. **Placosphæria Bartsiaæ** C. Mass. Contr. Mic. Ver. p. 86, t. II, f. 11. — Peritheciis sæpe confluentibus, dein erumpentibus, sepimentis locellatis, in stromate appanato, maculiformi, epidermide velato, nigro, intus pallido insidentibus; basidiis tenuissimis, 18 μ . circiter long., ramosis; sporulis breviter cylindræis, extremitatibus obtusis, hyalinis, 4-5 \approx 1,8. 5608

Hab. in pag. inf. foliorum Bartsiaæ alpinæ, Passo della Lora in prov. veronensi.

7. **Placosphæria Campanulæ** (DC.) Bäuml. Crypt. Presb. p. 10, *Xylo-* *ma* DC. Mem. Mus. H. N. III, p. 323, t. III, f. 10, *Phyllachora* Fuck., Syll. II, pag. 615. — Stromatibus folio innatis, gregariis, 5609

70-300 μ . diam., fusco-nigris, intus 1-8-locellatis; sporulis cylindraceis 3-5 \approx 1, subrectis, hyalinis; basidiis 10-15 \approx 1.

Hab. in foliis *Campanulæ Trachelii* in Gallia, Germania, Hungaria. — *Pyrenopeziza Campanulæ* Fuck., Syll. VIII, p. 357, forte in *Placosphæria* parasitatur.

8. **Placosphæria Urticæ** (Lib.) Sacc. Fung. Ard. n. 153, *Xeilaria* Lib. 5610
Crypt. I, n. 62 (1830). — Habitus *Rhytismatis Urticæ* (Cfr. Syll. VIII, p. 755), sporulis fusoides, curvulis, granulosis, hyalinis, 20-25 \approx 4; basidiis teretiusculis 15-18 \approx 3.

Hab. ad caules *Urticæ* dioicæ in Arduennis (LIBERT).

9. **Placosphæria Caa-catù** Speg. Guar. I, p. 144. — Maculis nullis 5611
vel hypophyllis, minutis, fuscescentibus, stromatibus sparsis, irregulariter subelliptico-orbicularibus, 1-1,5 mm. diam. vix pulvinulato-prominulis, atro-fuscis, glabris, rugulosis, coriacellis, contextu indistincto, opaco; loculis paucis globulosis vel e mutua pressione angulosis, 100-150 μ . diam.; sporulis ellipticis v. subnavicularibus, utrinque obtusis 12-16 \approx 4-6, dense granuloso-nubiosis.

Hab. ad folia viva arboris cujusdam *Caa-catù* vocatæ in silva subvirginea *Caa-guazù* Brasilæ.

10. **Placosphæria Pestis-nigra** Speg. Guar. I, pag. 144. — Stromate 5612
parum manifesto, innato, ramulos foliaque omnia ac tota ambiente eaque tamen vix deformante, sed intense nigrificante; loculis parenchymate immersis vix ad epiphyllum prominulis ac perspicuis, minutis, globoso-lenticularibus 90-110 μ . diam. densiuscule sparsis, non confluentibus, atris, glabris, levibus; sporulis ellipticis, utrinque obtusatulo-rotundatis, 2,5-3 \approx 1, hyalinis.

Hab. ad folia viva *Malpighiaceæ* cujusdam in dumetis pr. Paraguarì Brasilæ. — Status spermogonicus *Phyllachoræ Pestis-nigræ*.

11. **Placosphæria? acalyptosporides** Speg. Guar. I, p. 144. — Macu- 5613
lis determinatis, stromatibus atris, amphigenis, tenuibus, coriacellis, irregulariter angulosis, majusculis 3-6 mm. diam., sæpius secundum nervos secundarios evolutis, glabris vel minute rugulosis; stromate intus albo, loculis minutis, densissimis, labyrinthoido-cerebrinis; sporulis non visis.

Hab. ad folia viva *Eugeniæ* speciei cujusdam in dumetis pr. Guarapì Brasilæ.

12. **Placosphæria Allii** Karst. et Har. Rev. myc. 1890, n. 47. — Stro- 5614
matibus gregariis, parallelis, per rimas epidermidis erumpentibus, linearibus, angustissimis, convexis, atris, intus pallidis, uni- v. plu-

rilocularibus, usque ad 1 mm. longis; sporulis oblongatis, rectis, vulgo 2-guttulatis, 5-7 \approx 1,5-2; basidiis brevissimis.

Hab. ad *Allium Porrum* in Gallia circa Andegavum (herb. GUÉPIN). — Vergit ad *Fusicoccum* nec non paullulum ad *Leptostroma*.

13. **Placosphæria Calami** Delacr. Bull. Soc. Myc. 1890, p. X. — Stro- 5615
matibus in longitudinem et parallele seriatis, atris, epidermide tectis, intus diverse locellatis; sporulis ovoideis, continuis, hyalinis, 14- \approx 7-8; basidiis minimis.

Hab. in culmis *Calami*, Tonkin Sinarum.

14. **Placosphæria Balanseana** Sacc. et Roum. in Rev. Myc. 1886, 5616
p. 20. — Stromatibus parallele seriatis, elongatis, utrinque acutis, prominentibus, sæpius hypophyllis, colliculosis, atris, plurilocellatis; sporulis fusoides, 6-8 \approx 1,5-2, hyalinis; basidiis filiformibus, simplicibus vel ramulosis, 20-25 \approx 1-1,5.

Hab. in foliis vivis *Palmarum*, Paraguay Brasiliæ.

15. **Placosphæria? scirrhoides** Speg. Guar. I, p. 143. — Maculis nul- 5617
lis vel hypophyllis, parvulis, linearibus, ferrugineis; stromatibus epiphyllis longitudinalibus, laxè gregariis vel sparsis, lineari-elongatis 1-5 mm. long., 0,20-0,25 lat. rectis epidermide fissa tectis, atris, glabris; peritheciis stromate immersis, globulosis e mutua pressione e latere compressis 150-180 \approx 100, ostiolo parvulo papillulato perforatis, membranaceis, contextu indistincto, fusco; sporulis ellipticis vel ovoideis, utrinque obtusiusculis 5 \approx 1,5, primo hyalino-chlorinis, dein dilute fumosis.

Hab. ad folia viva *Bambusaceæ* cujusdam in silva subvirginea Caa-guazù vocata in Brasilia. — Ob sporulas subcoloratas facile novi generis typus.

16. **Placosphæria rimosa** Oud. Contr. Mycol. XIII, p. 39. — Stro- 5618
matibus nigris, cauliculis (neutiquam foliiculis aut vaginicolis), numerosis, pulvinatis in longitudinem culmi elongatis, $\frac{1}{2}$ -3 mm. longis, $\frac{1}{4}$ - $\frac{1}{2}$ mm. latis, in vertice suo sulco exaratis, infra epidermidem strataque cellularum corticalium 1 ad 2 hyalina, celatis, locellorum, nunc majori, tunc iterum minori numero in series dispositorum, strato unico (an semper?); sporulis hyalinis, singulis basidio hyalino suffultis, oblongis, 12 \approx 2 $\frac{2}{3}$ rectis aut subcurvatis 2-4-guttulatis.

Hab. in culmis *Phragmitis communis*, Loosduinen Nederlandiæ (Dom. DESTRÉE).

17. **Placosphæria? magellanica** Speg. F. Pat. n. 168. — Stromatibus 5619

sparsis parenchymate innatis, prominulis, lenticularibus v. lenticulari-subconoideis 280-350 μ . diam., atris, glabris, rugulosis, 1-3-locularibus, membranaceo-coriacellis, contextu grosse parenchymatico-celluloso, fuligineo-atro; basidiis non visis; sporulis minutissimis, cylindraceis 3-4 \approx 0,5, utrinque truncatis sæpeque minute biguttulatis, hyalinis.

Hab. ad folia emortua putrescentia Bromi macranthi pr. Gregory bay Patagoniæ. — Species facillime ad genus *Melasmia* transferenda.

ANTHRACODERMA Speg. F. Fueg. n. 392 (Etym. *anthrax* carbo et *derma*). — Stroma innato-superficiale atrum carbonaceum rigidum, loculis plus minusve prominulis denseque constipatis præditum. Sporulæ elongatulæ, continuæ, hyalinæ. — Genus singulare in Cytthariis parasiticum.

1. **Anthracoderma Hookeri** Speg. F. Fueg. n. 392. — Stromate atro 5620 carbonaceo totam matricem crusta carbonacea fragili obtegente; loculis dense constipatis globulosis 150-180 μ . diam. vix prominulis rugulosis atris, astomis? (an minute perforatis?), contextu indistincto; sporulis fusoides utrinque attenuatis ac acutato-obtusatis 10-15 \approx 3-4, inæquilateralibus, non vel granuloso-farctis, hyalinis.

Hab. ad Cytthariam Hookeri emortuam in ramulis Fagorum in Basket island Fuegiæ.

2. **Anthracoderma selenospermum** Speg. F. Fueg. n. 393. — Stro- 5621 mate sæpius basin matricis tantum anulatim cingente, rarius per totam matricem diffuso, tumidulo carbonaceo atro glabro; loculis ovoideis vel obovatis, plus minusve exsertis, 350-450 \approx 150-200, sursum obtusis non vel vix ostiolato-perforatis levissimis glabris atris carbonaceis, contextu indistincto; sporulis e strato prolifero immediate oriundis, cylindraceis, falcatis vel uncinatis, utrinque obtusiusculis 12-20 \approx 2-2,5, granuloso-farctis, hyalinis.

Hab. ad Cytthariam Hookeri? languidam in ramulis Fagorum prope Agaia et Brecknok pass Fuegiæ.

GAMOSPORELLA Speg. F. Guar. II, n. 165 (Etym. a *Gamospora* cui affine genus). — Stromata erumpentia atra subcarbonacea intus dense minuteque peritheciigera vel loculigera. Sporulæ fusoides multiguttulatæ, quaternatim basi connatæ, hyalinæ, in sterigmatibus minutis acrogenæ.

1. **Gamosporella hysteroioides** Speg. F. Guar. II, n. 165. — Stroma- 5622

tibus linearibus utrinque acutiusculis, laxè gregariis sæpe subseriatis minutis 1-1,5 mm. long., 0,25-0,3 mm. lat., epidermide primo tectis dein erumpentibus, atris carbonaceis; loculis (an peritheciis?) minutis 80-100 μ . diam. dense constipatis sæpeque confluentibus stromate immersis albo-farctis; sporulis fusoides utrinque acutis 15-20 \approx 2-2,5, 5-9-guttulatis, continuis, quaternatim basi aggregatis, centrali ceteris sæpius longiore, in sterigmatibus minutis papillæformibus e strato prolifero prominulis acrogenis.

Hab. ad culmos dejectos putrescentes Paniceæ cujusdam in silvis uliginosis prope Paraguarì Brasiliæ.

FUSICOCCUM Corda. — Syll. III, p. 247.

1. **Fusicoccum complanatum** Delacr. Bull. Soc. Myc. 1891, pag. 110, 5623
t. VIII, f. k. — Stromatibus elongatis, nigris, peridermio innatis, loculis parcis, compressis, ostiolo communi; sporulis fusoides, hyalinis, guttulatis, 9-10 \approx 3,5, apice basidorum acicularium 15-18 \approx 1 acrogenis; pseudoparaphysibus (in loculis vetustis) tortuosis, septatis, guttulatis, 4-5 μ . cr.

Hab. in ramis exsiccatis Piri Mali, Coigny (Manche) Galliæ.

2. **Fusicoccum Malorum** Oud. Contr. Flor. Myc. Pays-Bas XI, p. 29. 5624
— Stromatibus verruciformibus, nigris, erumpentibus, forma variis, superficie valde inæquali, intus spurie plurilocularibus, loculis circumcirca basidiis rectis longiusculis vestitis, singulis sporulas fusiformes, hyalinas, continuas, utrinque angustatas, 7-9 \approx 2-3, seriatis gerentibus.

Hab. in epicarpio Malorum putrescentium, Amsterdam Hollandiæ.

3. **Fusicoccum? Cactorum** Speg. F. Guar. II, n. 163. — Stromatibus 5625
parenchymate innatis majusculis, 0,5-1 mm., epidermide tectis adnatisque extus non vel vix manifestis, inferne hemisphærico-conoideis, superne applanatis, papillula (ostiolo?) epidermidem perforante donatis, atris, glabris, coriaceis, duris, fere sclerotiaceis, intus pallescentibus ac irregulariter (tuberis instar) loculis minutis 60-70 μ . diam., sæpe in unum apicalem confluentibus ornatis; sporulis ellipticis vel subovoideis 14-15 \approx 5-6 non vel granuloso-farctis, hyalinis.

Hab. ad ramos dejectos putrescentes Cerei arborei cujusdam in silvis Calle-poi prope Yaguaron Brasiliæ. — Species anomala perpulchra in parte interna corticis tantum manifesta.

4. **Fusicoccum cryptosporioides** Bomm. Rouss. Sacc. Contr. Myc. 5626

Belg. IV, p. 80. — Stromate applanato, subepidermico, udo brunneo-nigricante, sicco magis depresso griseo-olivaceo, *Tympanidis* fere instar, 1-2 mm. diam., peridermio cincto; peritheciis confertis; sporulis subfusoides utrinque obtusulis curvulis, hyalinis, granulosis medio 1-guttatis, 27-34 \approx 6-7; basidiis cylindraceutis tortuosis, 21-40 \approx 3-4.

Hab. in ramis corticatis emortuis Fraxini excelsioris, Haeren, Peuthy Belgii.

5. **Fusicoccum macrosporum** Sacc. et Briard in Rev. Myc. 1886, 5627 p. 156. — Stromate parum elevato, convexo, obtuso, epidermidem elevante atque demum rumpente, eaque cincto, pluriloculari, nucleis albis farcto; sporulis oblongis, hyalinis, guttulatis, granulosisque, obtusis, sed utrinque vix attenuatis, 44-48 \approx 12-14; basidiis hyalinis, brevissimis.

Hab. in ramis emortuis delapsisque Fagi silvaticæ, socio *Asterosporio Hoffmanni*, Troyes Gallia.

6. **Fusicoccum umbrinum** (Bonord.) Berl. et Vogl. Add. Syll. n. 4657, 5628 *Coronium umbrinum* Bon. Abh. Geb. Myk. pag. 132. — Gregarium; stromate ovato, subtus plano, umbrino, cortici adnato, epidermide fissa erumpente, ostiolo simplici pertuso; sporulis fusiformibus, minutis, hyalinis, uno latere rectis, altero curvatis; pustulis ellipticis.

Hab. in cortice Coryli in Guestphalia.

7. **Fusicoccum asperum** (Bonord.) Berl. et Vogl. Add. Syll. n. 4656, 5629 *Coronium asperum* Bon. Abh. Geb. Myk. p. 132. — Gregarium; pustulis oblongis seu ellipticis, stromate ceraceo, griseo, disco pallido, erumpente, poro simplici pertuso; basidiis virgato-ramosis; sporulis longis, fusiformibus, utrinque acutissimis, curvatis, hyalinis.

Hab. in ramis Quercus in Guestphalia.

8. **Fusicoccum Brunaudi** Pass. in Journ. hist. nat. Bord. 1885, p. 136. 5630 Brun. Liste Sphærops. p. 25. — Pulvinatum, erumpens, sursum et intus album, obscure locellatum; sporulis cylindraceuto-fusiformibus, hyalinis, 17-18 \approx 2,5-3.

Hab. in ramis crassioribus Quercus, Pessines, Cozes, Bougnaud Gallia.

9. **Fusicoccum Quercus** Oud. Contr. Mycol. XIII, p. 42. — Stromatibus in longitudinem ramorum erumpentibus, 3 mm. ad maximum longit., rotundis vel ellipticis peridermatis laciniis circumdatis, nigris, primitus connexis, exsiccano applanatis, intus distincte plu-

rilocellatis; sporulis in quocumque locello numerosissimis, achromis, continuis, utrinque obtusis, $14 \approx 3\frac{1}{2}$.

Hab. in ramis *Quercus Roboris*, Schéveningue Nederlandiæ (Dom. DESTRÉE). — A *F. quercino* satis diversum.

10. **Fusicoccum coronatum** Karst. — Syll. III, p. 250. — Var. **salicinum** Karst. Symb. myc. XXVI, p. 17. — Typo simillimum, laciniis vero epidermidis non nigrificatis cinctum; sporulis 10-15 \approx 2-2,5. 5632

Hab. in foliis putrescentibus *Salicis phylicæfoliæ* pr. prædium Saaris in parœcia Tammela Fenniæ.

11. **Fusicoccum Betulæ** Cooke Grev. XVI, p. 48. — Stromatibus nigris erumpentibus, sparsis, verruciformibus, nucleo albo; sporulis fusoides, continuis, hyalinis, 20-25 \approx 6; basidiis simplicibus v. furcatis. 5633

Hab. in ramis *Betulæ papyraceæ*, Kew London Britannia.

12. **Fusicoccum populinum** Delacr. Bull. Soc. Myc. 1891. p. 110, t. VIII, 5634

f. 1. — Stromatibus subcutaneis, epidermide tumida et fissa erumpentibus, conicis, intus sordide albidis, parietibus longitudinalibus, dilute olivaceo-fuscis, in 4-5 locellos divisus; sporulis ovoideis basi attenuatis, apice basidorum acicularium, 18-20 \approx 1,5, acrogenis; pseudoparaphysibus (in peritheciis vetustis) 3 μ . cr., septatis, interdum sursum furcatis.

Hab. in cortice *Populi fastigiatae* pr. Chartres (Eure-et-Loire) et Egly (Seine-et-Oise) Gallia. — A *Dothiorella populea* diversum.

13. **Fusicoccum microspermum** Har. et Karst. Rev. Myc. 1890, p. 2. 5635

— Stromatibus solitariis v. concrenentibus, erumpenti-superficialibus, verruciformibus v. pulvinatis, colliculosis, coriaceo-carbonaceis, atris, intus plurilocularibus, 2-3 mm. latis; sporulis oblongatis, rectis, continuis, hyalinis, 3 \approx 0,5-1.

Hab. ad *Terminaliam* (?) in insula Ceylon. — Fere æquojure ad *Rabenhorstiam* ducitur.

14. **Fusicoccum abietinum** (Hartig.) Prillieux et Delacroix, *Phoma* 5636

abietina Hartig, *Dothiorella pitya* Bull. et Delacr. Bulletin de la Société Mycologique de France Année 1890, fasc. II, p. 98, planche XV, figures IX, X, XI, nec Sacc. — Stromatibus atris, conicis, subgregariis, peridermio tumido apiceque pertuso immersis, 400-600 μ . circiter diam., intus plurilocellatis; centralibus disseptis tenuibus, dilute fulvo-olivaceis; sporulis hyalinis, fusoides utrinque acutis, rectis, pluriguttatis, 12-14 \approx 5-6, basidiis acutatis, 10-15 \approx 1,5-2.

Hab. in cortice *Abietis excelsæ*, quam valde vexat, in Bavaria (HARTIG), Gerardmer in Vogesis (MER, D'ARBOIS DE JUBAIN-

VILLE). — Non idem ac *Dothiorella pitya* Sacc., a qua præcipue stromatum formâ differt.

15. **Fusicoccum bacillare** Sacc. et Penz. Syll. III, p. 248 — var. **acuum** 5637
Fautr. Rev. myc. 1892, p. 9. — Sporulis 14-16 \approx 2-2,5.

Hab. in acubus *Abietis excelsæ*, Côte-d'Or Galliæ.

CYTOSPORELLA Sacc. — Syll. III, p. 251.

1. **Cytosporella aculeorum** Passer. Diagn. F. N. p. 10. — Stromate 5638
subsuperficiali, sphæroideo, atro, nitido, pauciloculari; sporulis minutissimis, ovoideis, oblongis, in cirros longissimos protrusis, acervatim pallide olivaceis, singulatim hyalinis.

Hab. in aculeis *Rosæ caninæ*, Vigheffio pr. Parma Ital. bor.

2. **Cytosporella conspersa** Rich. Cat. Champ. Marn. in Suppl. p. 543. 5639
— Peritheciis e stromate pycnidiophoro orientibus, ovoideis, nigris; sporulis hyalinis, ellipsoideis, 3 μ . long.; sporophoris continuis, simplicibus v. subramulosis.

Hab. ad ramos emortuos *Pini Mali*, St.-Amand et St.-Lumier, Marno Galliæ. — Pycnidium *Tympanidis conspersæ* sistit.

3. **Cytosporella subsimplex** Berl. et Bres. Micr. Trid. p. 65. — Stro- 5640
matibus sparsis, conoideis, tectis, intus vix 2-4-ocularibus v. etiam subinde unilocularibus, 0,5-0,6 mm. diam.; sporulis numerosissimis in cirrum lutescentem protrusis, ovoideis, 3-4 \approx 2-2,5, basidiis longioribus, hyalinis.

Hab. in ramis emortuis *Coluteæ arborescentis* prope Trento.

4. **Cytosporella? antarctica** Speg. F. Fueg. n. 396. — Peritheciis pe- 5641
ridermio tectis, stromate nullo, subliberis, valsiformiter aggregatis, atris, subcarbonaceis, minutis, 180-200 μ . diam.; ostiolis minutis conniventibus ac disculum peridermium perforantem non vel vix exsertum efficientibus; sporulis minutis, cylindræis v. suballantoidæis, utrinque obtusis, 2-3 \approx 0,8-1, hyalinis.

Hab. ad ramos emortuos *Ribis magellanicæ* in silvis pr. Ushuvaia Fuegiæ. — Statum spermogonicum *Cacosphæriæ antarcticæ* sistit.

5. **Cytosporella Populi** Oud. Contr. Mycol. XIII, p. 42. — Stromati- 5642
bus corticolis, innato-erumpentibus, applanato-verrucosis, 1-2 mm. latis, nigris nitidulis, ambitu irregulariter sinuosis, intus ubi lamellæ tenues contra lucem explorantur, hyalinis, imperfecte locellatis, basidiis p. m. 25 μ . longis; sporulis fere perfecte globosis, hyalinis, basi paullum contractis, 7 μ . diam.

Hab. in ramis Populi Schéveningue Nederlandiæ (Dom. DESTRÉE).

6. **Cytospora? macrorrhyncha** Speg. F. Fueg. n. 395. — Stromati- 5643
bus hinc inde sparsis, per peridermium tuberculose erumpentibus, 2-5 mm. lat., atris, subcarbonaceis, loculis distinctis, globosis, 400-450 μ . diam., in ostiolum crassum longissimumque, 0,5-1,5 mm. long., 300-400 μ . cr., atrum, rectum v. tortuosum, apice truncatum v. bulloso-inflatum, carbonaceum productis; sporulis cylindraceo-ellipticis, utrinque truncatis v. rotundatis, 2-2,5 \approx 1 ac minute 1-guttulatis, hyalinis; basidiis filiformibus longiusculis, 25 \approx 0,8-1.

Hab. in cortice vetusto subvivo Fagi betuloidis in Staten island Fuegiæ.

7. **Cytospora Ostryæ** Berl. et Bres. Micr. Trid. p. 65. — Perithe- 5644
ciis acervulatim aggregatis, minutis, nucleo niveo farctis, stromate nigro immersis, epidermide orbiculatim nigrificata, clypeum stromaticum simulante tectis, areolis nigris, 1 mm. diam., subinde confluentibus, centro rimose ruptis; sporulis globosis, 4-5 μ . diam., hyalinis; basidiis sporula multo longioribus, subinde longissimis, ramosis, hyalinis, crassiusculis.

Hab. in ramis corticatis Ostryæ carpinifoliæ, Trento.

8. **Cytospora Chamæropis** Passer. Diagn. F. N. IV, n. 101. — Pu- 5645
stulis globosis vel irregularibus, epidermide lacerata cinctis; peritheciis subglobosis, stromate atro insidentibus; sporulis minutissimis, innumeris, globosis, maxime refringentibus, basidiis filiformibus longiusculis.

Hab. in petiolis putridis Chamæropis humilis in Horto botanico, Parma Ital. bor.

CYTOSPORA Ehrenb. — Syll. III, p. 252.

1. **Cytospora Ampelopsidis** C. Mass. Contr. Mic. Ver. pag. 86, t. II, 5646
f. 12. — Stromatibus subdisciformibus, convexo-applanatis, nigris, in cortice nidulantibus, eademque omnino occultis, poris minutis, apice perviis, intus multilocularibus, loculis polymorphis; sporulis 4-6 \approx 1-1,5, numerosissimis, oblongis, subcurvulis, utrinque obtusis, basidiis fere 20 μ . long. suffultis, ex poris plerumque in cirros madore carneos, siccitate succineo-rubros expulsis.

Hab. in ramis corticatis Ampelopsidis hederaceæ, Tregnago prov. Veronæ. — Stromatibus peridermio omnino tectis a *C. Vitis* in primis distincta.

2. **Cytospora evonymella** Passer. Diagn. F. N. IV, p. 10. — Stroma- 5647
te subcutaneo-erumpente, subgloboso, pluriloculari, atro; sporulis
minimis, allantoideis, hyalinis, $2,5 \approx 0,5$; basidiis fasciculatis, bacil-
laribus, longioribus crassioribusque.
Hab. in foliis dejectis *Evonymi japonici*, Livorno Ital.
mediæ.
3. **Cytospora Evonymi** Cooke in Grevillea XIV, pag. 4. — Grega- 5648
ria; stromatibus conicis, epidermide brunneola tectis, parvis, de-
mum nigrescentibus, lucidis; sporulis allantoideis, curvatis, hyali-
nis, $8 \approx 2$.
Hab. in ramulis *Evonymi americani*, Kew Britanniaë.
4. **Cytospora cincta** Sacc. — Syll. III, p. 254. — ***amygdalina** Karst. 5649
Rev. Myc. 1889. — Stromatibus subcutaneis, depressis, disco erum-
pente albido, poro unico, loculis numerosissimis circinantibus; spo-
rulis cylindraceutis, curvulis, $7-10 \approx 2$, in cirrum crassum fuscescen-
ti-fulvum protrusis.
Hab. in ramis corticatis emortuis *Amygdali nanæ* ad Mu-
stiala Fenniaë.
5. **Cytospora dendritica** Berl. et Vogl. Funghi Ancon. p. 4. — Stroma- 5650
tibus plurilocularibus intus nucleo albo faretis; basidiis pluries ver-
ticillato-ramosis; sporulis allantoideis, minutis, $3-4 \approx 0,5$, hyalinis.
Hab. in sarmentis emortuis *Rubi*, Angelo prope Ancona, sociâ
Valsâ Rubi, cujus est status spermogonicus.
6. **Cytospora microstoma** Sacc. Syll. III, p. 254. — Var. **Cotoneastri** 5651
Cooke in Grevillea XIII, p. 93: sporulis $6-7 \approx 1,5$.
Hab. in *Cotoneastro frigida*, Kew. Brit. — Var. **Amelan-
chieris** Cooke l. c., sporulis $5-6 \mu$. long. — In *Amelauchiere*,
Kew, London Brit.
7. **Cytospora Clematidis** Oud. Contr. Mycol. XIII, p. 43. — Stroma- 5652
tibus plurilocellatis, locellis piriformibus; basidiis brevibus; sporu-
lis cylindraceutis, utrinque obtusis, curvulis, hyalinis, $7 \approx 2$, egut-
tulatis.
Hab. in sarmentis *Clematidis Vitalbæ*, Bois de la Haye
Nederlandiaë (Dom. DESTRÉE).
8. **Cytospora Viburni** Fautr. in Rev. Myc. 1891, p. 171. — Stroma- 5653
tibus majusculis, $1,5$ mm. diam., griseis, loculis $15-20$ immersis,
longicollibus, in discum pulvereum desinentibus; sporulis cylindra-
ceis, curvulis, attenuatis, 2-guttulatis, vibrantibus, $5,5 \approx 0,7$.
Hab. in ramis emortuis *Viburni Lantanæ*, Noidan (Côte-
d'Or) Galliaë.

9. **Cytospora Lantanæ** Bres. Rev. Myc. 1891, p. 28, t. 114, fig. VI. 5654
— Stromatibus conoideo-depressis, uni-plurilocularibus, subcutaneis, 0,5-0,6 mm. lat., ostiolo centrali subprominente, nucleo olivaceo-fuligineo; sporulis cylindraceis, curvulis, hyalinis, 7-8 \approx 1,5-2; basidiis simplicibus, irregulariter ramosis vel verticillato-ramosis, 25-35 \approx 2-3,5.
Hab. in ramis Viburni Lantanæ prope Leutschau Hungariæ.
10. **Cytospora Greschikii** Bres. Rev. Myc. 1891, p. 27, t. 114, f. V. 5655
— Stromatibus uni-plurilocularibus, conico-truncatis, gregariis, subcutaneis, 0,7 mm. diam., disco erumpente, circulari, albo, ostiolo centrali, nigro, subprominente; sporulis cylindraceis, curvulis, hyalinis, 8 \approx 2; basidiis iterato furcatis.
Hab. in ramis Myricariæ germanicæ pr. Leibitz Hungariæ (V. GRESCHIK).
11. **Cytospora grandis** Peck 40 Rep. pag. 60. — Pustulis latis, 4-6 mm. diam., ellipsoideis v. suborbicularibus, cicatriciformibus, erumpentibus ferrugineis, loculis numerosis; sporulis minutis curvulis, 5 μ . long.
Hab. in cortice emortuo Rhois typhinæ, Gansevoort Americæ borealis.
12. **Cytospora magellanica** Speg. F. Fueg. n. 399. — Stromatibus 5657
laxe sparsis, cortice insidentibus, peridermio subrelaxato tectis, e clypeato-conoideis, 1-1,5 mm. diam., centro papilla conico-cylindracea atra perforante non v. vix exserta ac truncata donatis; loculis paucis, subcircinatis, parvulis, 150-180 μ . diam., albo-farctis, sporulis allantoideis, utrinque acutiuscule rotundatis, 5 \approx 1, plus minusve curvulis, hyalinis.
Hab. ad ramos emortuos putrescentes Ribis magellanicæ in Hope harbour Fuegiæ.
13. **Cytospora Jasmini** Cooke in Grevillea XIV, p. 4. — Stromatibus 5658
conicis, subcutaneis, parvis, cuticula obscura tectis, laxè gregariis; sporulis linearibus, curvatis, obtusis (allantoideis), 6 \approx 1.
Hab. in ramulis Jasmini officinalis, Kew Britannicæ.
14. **Cytospora Fraxini** Delacroix Bull. Soc. Myc. Fr. 1890, p. 184, planche XX, fig. V. — Stromatibus sparsis, minutis, subapplanatis, subepidermide nigrificata rimose fissâ, secundum longitudinem dispositis, loculis satis numerosis, ostiolo communi centrali, leviter prominente; sporulis rectis hyalinis, ovato-cylindraceis, crasse 2-guttulatis, 7 \approx 2,5; basidiis acicularibus, 10 μ . longis.

Hab. in ramis siccis corticatis *Fraxini excelsioris*, *Mar-eil-Marly* prope Parisios.

15. **Cytospora Staphyleæ** Cooke in *Grevillea* XIV, pag. 2. — Stro- 5660
matibus sparsis, 2-3-loculatis, epidermide vix elevata tectis, poro minuto pertusis; sporulis linearibus, curvatis, obtusis, allantoideis, hyalinis, $6 \approx 1$.

Hab. in ramis *Staphyleæ pinnatæ* et *S. trifoliæ*, Kew Britannicæ.

16. **Cytospora Corni** West. *Lambotte Fl. Belg.* II, p. 372. — Stro- 5661
matibus parvis, brunneis, 3-5-ocularibus, nigris, epidermide brunnea tectis; loculis ovoideis, compressis; ostiolis concoloribus, prominulis; cirro sporularum luteo-albo; sporulis minutis, cylindraceis, rectis vel leniter curvis.

Hab. in ramis *Corni sanguineæ* in Belgio.

17. **Cytospora albiceps** Ell. et Kellerm. *Journ. Myc.* 1889, p. 142. — 5662
Stromatibus semiemergentibus, gregariis, 0,5-0,7 mm. lat., depresso-conicis, poro singulo apice obtuso perviis, disco albo-furfuraceo, 5-6-ocularibus, loculis initio indistinctis albidis; sporulis allantoideis, $4-7,5 \approx 2,2-2$.

Hab. in cortice *Juglandis nigræ*, Manhattan Kans. Amer. bor. — Affinis *C. leucophthalmæ* in qua sporulæ minores, $3-4 \approx 1$.

18. **Cytospora antarctica** Speg. *F. Fueg.* n. 397. — Stromatibus mi- 5663
nutis, elliptico-scutatis, peridermio tectis, 1-3 mm. diam., atris, centro papillatis ac perforanti-exsertulis; loculis ovatis, 300-400 μ . diam., radiatim dense constipatis; ostiolis conniventibus, atris, subcarbonaceis; sporulis allantoideis, plus minusve curvulis, utrinque acutiusculis, $3-4 \approx 0,7-1$ ac minute 1-guttulatis, chlorinulis.

Hab. ad ramulos *Fagi betuloidis* prope Agaia et in Burnt island Fuegiæ.

19. **Cytospora Salicis-babylonicæ** Schulz. *Bot. Centr.* 1883 XV, p. 3. 5664
— Stromatibus nigris, plerumque irregulariter multilocularibus, rarius simplicibus; sporulis cylindraceis, sæpe curvulis, hyalinis, $3-4 \approx 1$.

Hab. in ramulis emortuis adhuc pendulis *Salicis babylonicæ* in Slavonia, sociâ *Calosphæriâ Salicis-babylonicæ* (Syll. IX, p. 448).

20. **Cytospora capitata** Fuck., in die zweite deutsch. Nordpolarf. 34, 5665
f. 8. — Stromatibus sub corticis epidermide nidulantibus, multilocularibus, locellis radiatim dispositis, gelatinosis, olivaceis; disco perfecte globoso, 1 mm. diam., puberulo, olivaceo, poro centrali,

punctiformi, sporulis cylindræis, curvatis, continuis, hyalinis, 8 = 4.

Hab. in ramulis aridis Salicis arcticæ in Groenlandia.

21. **Cytospora Harioti** Briard Rev. myc. 1889, pag. 16. — Stromate 5666
conico, cortice fisso profunde immerso et cincto, subovato, pluriloculari, olivaceo-nigricante; sporulis botuliformibus, vibrantibus, copiosissimis, curvis v. subrectis, hyalinis, 5-6 = 1,5-2.

Hab. in cortice Populi, Aube Galliæ (P. HARIOT).

22. **Cytospora betulicola** Fautr. Rev. Myc. 1891, p. 133. — Transverse 5667
erumpens; loculis ovoideis, 8 circa ostiolum nigrum circinantibus, applanatis, truncatis, nigris; sporulis curvulis, 5 = 1; basidiis ramosissimis, ramulis bitrifidis, subulatis.

Hab. in fragmentis Betulæ albæ, Noidan Galliæ.

23. **Cytospora Therryana** Thüm. M. U. n. 1979. — Peritheciis gre 5668
gariis, verrucæformibus, submagnis, primo tectis demum elevatis perforatisve et cirros gelatinosos aureos perpellentibus; sporulis numerosissimis, plerumque rectis, raro subcurvis, continuis, utrinque rotundato-obtusis, cylindricis, hyalinis, 5 mm. long., 1,5 mm. crassis.

Hab. in cortice antiquo Platani orientalis, Lyon Galliæ (THERRY). — A *C. Platani* cirrorum colore, sporularum forma et magnitudine diversa.

24. **Cytospora quercella** Brun. Esp. Sphærops. p. 1. — Stromate plu- 5669
riloculari exiguo, disco erumpente circulari, griseo-brunneo, nigro-brunneo marginato, poro centrali pertuso; sporulis oblongis, rectis, 5-6 = 1-1,5.

Hab. in ramulis emortuis Quercus pedunculatæ, Pessines Galliæ.

25. **Cytospora Quercus-Ilicis** Pass. Fung. Gall. nov. in Jour. d'Hist. 5670
nat. 1885, n. 4, p. 55. — Stromatibus epiphyllis, sparsis vel gregariis, conicis, nitidis, nucleo albo; sporulis cylindricis, hyalinis, 7-7½-2½.

Hab. in foliis deciduis Quercus Ilicis prope Sanjou (Charente Inferieure) in Gallia (BRUNAUD).

26. **Cytospora Sphærulea** Duby Bot. Gall. II, p. 725, Syll. III, p. 277. 5671
— Stromate erumpente prominulo, sphæroideo, atro, loculis numerosis, atris, orbicularibus ovatisve regulariter circinantibus, disco minuto subconcolore, ostiolis minutis.

Hab. ad ramos emortuos Quercus in Vogesis (MOUGEOT). — Stroma epidermide lacerata cinctum; loculi nucleo griseo farcti.

27. **Cytospora taxifolia** Cooke et Mass. Grev. XVIII, pag. 73. — 5672

Stromatibus sparsis, globoso-conicis, levibus, nigris, erumpentibus, intus 3-4-loculatis, sphæriæformibus, ostiolo conico; basidiis minutis; sporulis allantoideis, minutis, hyalinis, $3 \approx 1$.

Hab. in foliis *Taxi*, New Carlisle Britannicæ.

28. **Cytospora Mayteni** Speg. F. Fueg. n. 400. — Stromatibus cortice 5673

innatis, tuberculoso-subeffusis, primo peridermio tectis, dein latiuscule erumpentibus, non v. vix exsertis, atris, coriacellis; contextu indistincto; loculis inordinatis, minutis, sæpius e mutua pressione difformibus, 90-120 μ . diam., albo-farctis; sporulis allantoideis, utrinque obtusiusculis, $6 \approx 1$, hyalinis.

Hab. ad ramulos emortuos dejectos *Mayteni* magellanicæ prope Shammacus Fuegiæ.

29. **Cytospora? durissima** Speg. F. Fueg. n. 398. — Stromatibus hinc 5674

inde per peridermium erumpentibus, tuberculoso-difformibus, minutis, 0,5-1 mm. diam., atro-olivaceis, corneis, durissimis, glabris, levibus, subrugulosis, contextu carnosulo indistincto olivaceo, loculis periphericis, subglobosis, 80-100 μ . diam., immersis, albo-farctis; sporulis cylindræcis, utrinque plus minusve obtusatis, $3,5 \approx 1$, hyalinis; basidiis filiformibus, 10-20 ≈ 1 .

Hab. ad ramos emortuos *Embotryi coccinei* in *Aicina* insula Fuegiæ. — Species vulgatissima, rarissime tamen fertilis, fabrica nonnihil lichenina; gonidia vero non visa.

30. **Cytospora Asperulæ** Delacr. Bull. Soc. Myc. 1890, pag. 140. — 5675

Peritheciis hypophyllis, non vel vix maculicolis; sporulis hyalinis ovato-cylindræcis, $1,5 \approx 1$; basidiis 15-18 $\approx 0,7$.

Hab. in foliis vivis *Asperulæ odoratæ*, Saint-Dié, Vosges Gallicæ.

31. **Cytospora pleurocolla** Pat. Bull. Soc. Myc. 1888, pag. 122. — 5676

Stromate punctiformi, 1 mm. diam., nigro, conico-truncato, vertice mamillato, innato-erumpente intus 2-3-locellato, nigro, ostiolo fusco-rufescente, cylindræceo, 1 mm. long., e basi stromatis oriundo, curvulo; sporulis curvulis, $6 \approx 1$, hyalinis, coacervatis brunneolis.

Hab. in fragmentis ligneis, Caracas Venezuelæ.

32. **Cytospora Verrucula** Sacc. et Berl. Misc. Myc. II, p. 8. — 5677

Stromatibus mox erumpentibus et subsuperficialibus, globulosis, subinde depressis, atris, ostiolis minutis punctatis; peritheciis paucis, globoso-conicis stromate omnino immersis; sporulis allantoideis, hyalinis, $6 \approx 1-5$; basidiis dichotome v. verticillato-ramosis, longis.

Hab. in ramis corticatis, Logan Australiæ (SCORTECHINI). —
Cytosporæ tumidæ et *Cyt. epixylæ* affinis.

33. **Cytospora? Balansæ** Speg. F. Guar. II, n. 164. — Stromatibus 5678
minutis 0,5-1 mm. diam., verrucæ- v. subvalsæ-formibus carbona-
ceis, atris, ligno immersis, ostiolo tuberculoso crasso epidermidem
perforante atque breviter exserto; peritheciis in quoque stromate
paucis (2-3), parvulis 100-150 μ . diam. sæpe confluentibus; spo-
rulis botuliformibus, utrinque obtusis 5-6 \times 1 atque 1-guttulatis,
chlorinulis.

Hab. ad ramulos dejectos putrescentes plantæ cujusdam in sil-
vis prope Guarapí Brasilæ.

34. **Cytospora vinosa** Delacroix Bull. Soc. Myc. France 1890, p. 181. 5679
— Stromatibus olivaceo-nigris, sub epidermide lacerata nidulanti-
bus, paucilocellatis, in macula roseo-vinosa insidentibus; sporulis
ovato-cylindræis, rectis, bi-nucleatis, hyalinis, 7 \approx 2; basidiis an-
gustissimis, acutatis, fasciculatis, 25 \approx 1.

Hab. in foliis exsiccatis *Yuccæ*, Saône et Loire Galliæ. — *C.*
foliicolæ satis affinis.

35. **Cytospora Smilacis** Cooke in Grevillea XIV, p. 14. — Stroma- 5680
tibus pustulatis, gregariis, convexis, innato-erumpentibus, pauci-
locularibus; sporulis minutissimis, cylindricis, vix curvulis, hyali-
nis; basidiis duplo longioribus, 4 \approx 2.

Hab. in radicibus expositis *Smilacis*, Darien Georgia Amer.
bor. (RAVENEL).

36. **Cytospora Palmarum** Cooke in Grevillea XIII, pag. 95. — Stro- 5681
matibus innato-erumpentibus, primo tectis, dein epidermidem per-
forantibus, $\frac{1}{2}$ -1 mm. diam.; loculis parcis; sporulis allantoideis,
6 \approx 1, hyalinis, profusis.

Hab. in petiolis *Palmarum* etc., Kew Britanniæ.

37. **Cytospora Draconis** Sacc. et Berl. in Rev. Myc. 1886. — Stro- 5682
matibus erumpentibus, intus dedalæformibus, atris; sporulis sub-
cylindræis, 10 \approx 2-2 $\frac{1}{2}$, hyalinis, basidiis bacillaribus, simplicibus
30-40 \approx 1 $\frac{1}{2}$, suffultis.

Hab. in fructibus *Dracænæ Draconis* in Algeria.

38. **Cytospora Bambusæ** Pat. Bull. Soc. Myc. 1888, pag. 122. — 5683
Stromate orbiculari, 1-2 mm. diam., subepidermico, dein erum-
pente laciniisque stellatis epidermidis cincto, nigro, intus pallido;
peritheciis immersis; sporulis cylindræis, curvulis, 7 \approx 1,5, co-
piosis.

Hab. in culmis *Bambusæ* putridis, Caracas Venezuelæ.

CEUTHOSPORA Grev. — Syll. III, p. 277.

1. **Ceuthospora fuegiana** Speg. F. Fueg. n. 401. — Stromatibus in- 5684
natis densiuscule sparsis epi- v. hypophyllis impressulis irregula-
riter suborbicularibus 1-3 mm. diam. determinatis, subcarbonaceis,
atris, glabris, levibus tenuiusculis, loculis centralibus paucis (ra-
rius 1) depressis, anguloso-diformibus 150-250 μ . diam. albo-far-
ctis; sporulis cylindraceutis utrinque obtusis 12-15 \approx 2-2,5 rectis,
hyalinis non vel granuloso-farctis.

Hab. ad folia dejecta putrescentia Mayteni magellanice
in silvulis prope Shammacus Fuegiæ.

2. **Ceuthospora australis** Sacc. F. Rom. n. 48, f. 9. — Stromatibus am- 5685
phigenis, innato-prominulis, conico-truncatis, atris, 0,3 mm. diam.,
disco albo furfuraceo; peritheciis globulosis circinantibus, 4-7 in col-
la cylindraceuta brevia sursum attenuatis; sporulis anguste cylindra-
ceis, 2-guttatis, 11-13 \approx 2, rectis, hyalinis; basidiis multo breviori-
bus tereti-conicis.

Hab. in foliis emortuis Cneori tricocci in horto botanico,
Roma.

3. **Ceuthospora Phyllosticta** C. Mass. Contr. Mic. Ver. p. 87. — Stro- 5686
matibus v. pseudoperitheciis 160-200 μ . diam. amphigenis, subglo-
boso-verruciformibus, nigris, intus sepimentis magis minusve com-
pletis, locellatis (rarissime subunilocularibus?), in maculis exari-
dis plerumque elliptico-oblongis, linea fusca subincrassata limitatis,
et zona subatrosanguinea areolatis, laxè disseminatis; sporulis nu-
merosissimis hyalinis, breviter bacillaribus, rectis utrinque obtusis
3-5 \approx 1,5-1,8; basidiis 16 μ . circiter longis.

Hab. in foliis adhuc vivis Punicæ Granati prope ecclesiam
vici Mezzane di Sopra agri veronensis.

4. **Ceuthospora magellanica** Speg. F. Fueg. n. 402. — Stromatibus 5687
sparsis innatis prominulis sæpius epiphyllis, irregulariter suborbi-
cularibus, 0,5-1 mm. diam. densiuscule sparsis, determinatis, sub-
carbonaceis, atris, subnitentibus, centro loculo unico (rarior 2-3)
lenticulari 230-380 μ . diam. albo-farcto irregulariter (an laciniatim?)
dehiscente donatis; sporulis cylindraceutis utrinque obtusis 10-14 \approx
2,5 rectis, hyalinis.

Hab. ad folia dejecta putrescentia Berberidis buxifoliæ
in dumosis prope Ushuvaia Fuegiæ.

5. **Ceuthospora abietina** Delacroix Bull. Soc. Myc. 1890, pag. 183, 5688
planche XX, f. VIII. — Stromatibus cuboideo-conicis, atro-olivaceis,

ostiolo communi umbilicato, epiphyllis, epidermide lacerata velatis, plerumque trilocularibus, longitudinaliter elongatis, $600 \approx 220 \approx 120$; sporulis ovoideis, utrinque rotundatis, $6 \approx 2,5$, hyalinis, biguttulatis; basidiis acutis $18-20 \approx 1$.

Hab. in pagina superiore acuum siccarum Abietis excelsæ, Langemer, Vosges Galliæ. — Socia adest *Cytospora Pinastri*, a qua valde differt.

Sect. 2. Phæosporæ SACC.

SPHÆROPSIS Lév. — Sacc. Syll. III, p. 291.

I. *Eu-Sphæropsis*. Perithecia typice corticicola, subtecta.

I. In Dicotyledoneis herbaceis.

1. **Sphæropsis herbarum** Cooke et Mass. Grev. XVI, p. 78. — Peri- 5689
theciis minutis gregariis, nigris, punctiformibus, initio tectis, dein epidermide secedente expositis; sporulis late ellipsoideis, continuis, brunneis, purpureo tinctis, $7-10 \approx 5-6$.

Hab. in caulibus herbaceis Compositarum et Umbelliferarum, Epping Britanniæ.

2. **Sphæropsis Lappæ** E. et E. in Fairm. Contr. Myc. West. N. Y. p. 51. 5690
— Peritheciis sparsis, subglobosis, 0,3 mm. diam., epidermide initio tectis, dein erumpenti-superficialibus; sporulis ellipsoideis, brunneis, crasse 1-guttatis, $15-20 \approx 8-10$.

Hab. in caulibus emortuis Lappæ majoris, Western New York Amer. bor.

3. **Sphæropsis Evolvuli** Pat. in Rev. Myc. 1886, p. 182. — Perithe- 5691
ciis epidermide tectis, nigris, globosis, 200 μ . diam.; sporulis rufo-brunneis, ovoideis, 1-guttulatis, $10 \approx 8$.

Hab. in caulibus exsiccatis Evolvuli, Yunnan Sinarum (AB. DELAVAY).

4. **Sphæropsis Lupini** Cooke et Hark. in Grevillea XIII, p. 111. — 5692
Caulicola, sparsa, erumpens; peritheciis globoso-depressis, atris, demum semiemergentibus, pertusis; sporulis globoso ovoideis, utrinque subacuminatis, continuis, demum atro-olivaceis, $15-17 \approx 8-10$.

Hab. in caule Lupini in California (HARKNESS).

5. **Sphæropsis Rostrupii** Berl. et Vogl. Add. Syll. n. 4662, *Sphæro-* 5693
psis sp. Rostrup Unders. Svamp. Rhizoct. p. 19, tab. I, fig. 1-5.
— Peritheciis sparsis, pseudoparenchymaticis, rufo-brunneis; spo-

rulis ovoideis vel sphæroideis, rufescentibus, basi apiculatis, guttulis 1-3 pallidioribus præditis, 6-8 = 4-6.

Hab. in radicibus Trifolii hybridi in Islandia.

6. **Sphæropsis Smyrnii** Pass. Fung. Gall. nov. in Jour. d'Hist. nat. 5694
1885, n. 4, p. 55. — Peritheciis gregariis, sæpe confluentibus, seriatis, compressis, rimose erumpentibus, nigris; sporulis ellipticis vel ovoideis, continuis, fuligineis, 16-20 = 9-12.

Hab. in caulibus emortuis Smyrnii Olusatri prope Font couverte in Gallia (BRUNAUD).

7. **Sphæropsis sphærospora** Peck 39 Rep. p. 46. — Peritheciis nu- 5695
merosis, minutis, 150-175 μ . lat., subglobosis v. depressis, primo epidermide tectis, nigris, ostiolo minuto pertusis; sporulis globosis v. subovoideis, subcoloratis, 10-12,5 μ . long., plerumque ample 1-guttatis.

Hab. in caule emortuo Asclepiadis Cornuti, Sandlake Americæ borealis.

8. **Sphæropsis Euphorbiæ** Passer. Diagn. F. N. IV, n. 105. — Perithe- 5696
ciis sparsis vel subgregariis in ligno denudato superficialibus, atris subglobosis papillatis vel brevissime rostellatis; sporulis ovalibus apicibus subacutis vel subrotundatis, integris, flavo-fusculis, 12-15 = 7-7,5, sterigmatibus crassiusculis longitudine varia fultis.

Hab. in caulibus siccis Euphorbiæ in horto botanico, Parma Ital. bor.

II. In Dicotyledoneis lignosis.

9. **Sphæropsis zonata** Passer. Diagn. F. N. IV, n. 106. — Perithe- 5697
ciis subcutaneis erumpentibus sparsis carbonaceis, subglobosis vix ostiolatis, rugosis, tandem deciduis, nucleo albo-zonato; sporulis magnitudine variis, ellipticis aut ovatis, integris castaneo-fuscis, ut plurimum 20-22 = 10-12.

Hab. in ramis siccis Loniceræ Xylostei, Vigheffio prope Parma.

10. **Sphæropsis Jasmini** Pat. in Rev. Myc. 1886, pag. 182. — Peri- 5698
theciis punctiformibus, nigris, epidermide tectis; sporulis ovoideis rotundatis, brunneis, bi-trinucleatis, 6-7 = 6.

Hab. in ramulis emortuis Jasmini, Yunnam Sinarum (AB. DE-LAVAY).

11. **Sphæropsis Helicis** Cooke et Mass. Grev. XVI, p. 8. — Perithe- 5699
ciis majusculis, nigris, semiimmersis, carbonaceis, ostiolo longo

exserto; sporulis ovoideis, continuis, $12 \approx 8$, initio breve stipitatis, demum opace nigricantibus.

Hab. in ramis Hederæ Helicis, Kew London Britanniae. — Perithecia stromati nigro (*Diaporthes pullæ*) plerumque innata. — «An *Næmosphærcæ* species?».

12. **Sphæropsis Staphyleæ** Brun. Champ. Saint. VII, p. 5. — Peri- 5700
theciis sparsis, minutis, globosis, tectis, intus albo-corneis; sporulis ovoideis v. oblongis, fuligineis, continuis, $20-30 \approx 9-11$.

Hab. in ramis emortuis Staphyleæ pinnatæ, Pessines pr. Saintes Galliae. — Status forte imperfectus *Diplodiæ Staphyleæ*.

13. **Sphæropsis Lauri** Pass. et Brun. Mat. myc. Saint. p. 23. — Pe- 5701
ritheciis tectis, seriatim dispositis, nigris, parvis, globoso-compressis; sporulis ellipsoideis v. obovatis, continuis, brunneis, $18 \approx 10$.

Hab. in ramis emortuis Lauri nobilis, Saintes Galliae. — *Sph. seriatæ* valde affinis.

14. **Sphæropsis Linderæ** Peck 39 Rep. p. 45. — Peritheciis nume- 5702
rosis, minutis, $125-250 \mu$. lat., erumpentibus, nigris, intus albis; sporulis ovoideis v. ellipsoideis, primo pallidis, dein coloratis, $20-27,5 \approx 12,5-15$; basidiis sporulis brevioribus.

Hab. in ramis Linderæ Benzoin, Albany Amer. bor. — *Sph. tiliaceæ* valde affinis.

15. **Sphæropsis minuta** Bel. et F. Sacc. Contr. Myc. Lus. p. 7. — 5703
Peritheciis minutis, epiphyllis, $150-200 \mu$. diam. pertusis, in maculis expallenti-ochraceis, subsparsis, contextu laxo parenchymatico, ochraceo; sporulis ovoideo-oblongis, utrinque rotundatis, $18-22 \approx 8-9$, ochraceo-lutescentibus, 1-2-guttatis v. protoplasmate ad medium partito.

Hab. in foliis Aceris Pseudoplatani in Lusitania.

16. **Sphæropsis tiliacea** Peck 39 Rep. p. 45. — Peritheciis primo 5704
tectis, dein erumpentibus, subglobosis v. depressis, numerosis, minutis, $175-250 \mu$. lat., poro minuto pertusis, nigris; sporulis oblongis v. subellipsoideis, primo pallidis, dein coloratis, $17,5-22,5 \approx 12,5-15$; basidiis sporulâ vix longioribus.

Hab. in cortice emortuo Tiliæ americanæ, Albany Amer. borealis.

17. **Sphæropsis pallida** Peck 39 Rep. pag. 46. — Peritheciis cespito- 5705
sis, erumpentibus, $275-325 \mu$. lat., nigris; sporulis subglobosis, subcoloratis, $17,5-20 \approx 16-18,5$, basidiis brevissimis fultis, 1-3-guttatis.

Hab. in ramis emortuis Rhois typhinæ, Saugerties Amer.

- bor. — Differt a *Sph. Sumachi* peritheciis minoribus, sporulis subglobosis et pallidioribus.
18. **Sphæropsis? enormis** Sacc., *S. abnormis* Berk. et Thuem. M. U. 5706
n. 1675, Diagn. p. 16. — Peritheciis sparsis v. sæpius regulariter concentrice dispositis, amphigenis, elevatis, cephaloideis, aterrimis, magnis, durissimis; sporulis ovoideis v. subglobosis v. ellipsoideis, simplicibus, utrinque rotundatis, hyalinis vel dilute cinereis, 8-10 \approx 4-6.
Hab. in foliis vivis Capparidis Gueinzii ad promont. Bonæ Spei (Prof. P. MAC. OWAN). — Nomen leviter mutavi ob homonymam speciem. Cfr. Syll. III, p. 301.
19. **Sphæropsis Visci** (Sollm.) Sacc. Mich. II, p. 105, *Ceuthospora* 5707
Sollm. in Hedw. II, n. 19, t. XIII. — Peritheciis laxè gregariis, subcutaneis, prominulis, globosis, nigris, vertice obtuse conoideis, nucleo initio albo; sporulis obovatis vel oblongis, 45-55 \times 18-26, continuis, olivaceo-fuligineis, granuloso-nucleatis, basidiis brevibus suffultis et pseudo-paraphysibus (an basidiis perfectioribus) bacillaribus, multo longioribus, hyalinis obvallatis.
Hab. in foliis ramulisque Visci albi in Vogesis, Belgio, Helvetia, Tirolia. — «Ad basin peritheciolorum adsunt hyphæ brunneæ ramulosæ septatæ, conidia ellipsoidea, continua fuliginea, 9-10 \approx 5 gerentia» Stat. macrostylosp. *Gibberideæ Visci*.
20. **Sphæropsis endophlœa** Passer. Diagn. F. N. IV, n. 102. — Pe- 5708
ritheciis sparsis basi insculptis minutis prominulis, subglobosis, atris; sporulis ellipticis vel ovatis integris, olivaceo-fuscis, 18-20 \approx 10-12.
Hab. in cortice interiore relaxato Piri Mali, Collecchio prov. Parma.
21. **Sphæropsis lichenoides** Sacc. in Rev. Myc. 1885, p. 222. — Pe- 5709
ritheciis gregariis, epidermide dealbata tectis, dein erumpentibus, globulosis, obtuse papillatis, $\frac{1}{3}$ mm. diam., atris; sporulis ellipsoideis, olivaceis, 14-18 \approx 7-8, initio stipitatis.
Hab. in ramis exsiccatis Piri japonicæ cultæ, Toulouse Gallicæ (ANGELA ROUMEGUÈRE).
22. **Sphæropsis cydoniæcola** Passer. Diagn. F. N. IV, n. 107. — Pe- 5710
ritheciis creberrime sparsis vel subgregariis, sæpius in series lineares digestis, tectis, pustulæformibus, vix epidermidem findentibus; sporulis forma variis ellipticis, ovatis vel subglobosis, subinde irregularibus, castaneo-fuscis, integris, 15-25 \approx 7,5-12,5; basidiis non visis,

Hab. in ramis siccis *Cydoniæ vulgaris*, Parma.

23. **Sphæropsis demersa** (Bon.) Sacc. Syll. III, p. 293. — Sec. Cellotti Mic. Montpell. p. 19, species nascitur quoque in ramis corticatis *Cratægi Oxyacanthæ*, *C. Ariæ* et *Cerasi virginianæ*, Montpellier, et præbet sporulas 20-25 \approx 10-12.

24. **Sphæropsis phomatoidea** Cooke et Mass. Grev. XVIII, p. 49. — 5711
Maculis hypophyllis irregularibus brunneis a larva quadam productis; peritheciis sparsis, convexis, initio tectis, nigris, poro pertusis; sporulis ellipsoideis, utrinque rotundatis, nucleatis, melleo-brunneis, 8 \approx 4-5; basidiis brevibus, curvis.

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

25. **Sphæropsis Cercidis** Brun. Champ. Saint. p. 338. — Peritheciis 5712
penitus cortice immersis, primo tectis, dein vix erumpentibus conico-truncatis, pertusis, nigris, intus griseolis; sporulis oblongis, dilute olivaceis, continuis, 2-guttatis vel granulosis, 17-18 \approx 7,

Hab. in ramis emortuis *Cercidis Siliquastri*, Saintes Galliæ.

26. **Sphæropsis viticola** Passer. Diagn. F. N. IV, p. 10. — Perithe- 5713
ciis globosis, atris, lineatim digestis vel subgregariis vel etiam solitariis, ostiolo papillari; sporulis ellipticis, ovatis vel subglobosis, fuligineis, interdum biguttulatis, sed semper integris, regularibus, 12,5-20 \approx 7,5-10.

Hab. in sarmentis dejectis *Vitis viniferæ*, Parma Ital. bor. — A *Sph. fabæformi* sporulis regularibus angustioribus diversa.

27. **Sphæropsis oblongispora** Mass. Contr. Mic. Veron. pag. 141, — 5714
Peritheciis globosis, 140 \approx 180, densissime disseminatis, substrato-sis, hemisphærico-prominulis, epidermide velatis dein erumpentibus, poro perviis, contextu carbonaceis; sporulis oblongo-ellipticis vel subfusiformibus, dilute fuligineis, pellucidis, 18-28 \approx 5-8.

Hab. in sarmentis siccis *Vitis viniferæ*, Tregnago in agro veronensi Ital. bor.

28. **Sphæropsis ribicola** C. et Ell. Grev. V, pag. 55, t. 80, f. 7. — 5715
Peritheciis gregariis, epidermide tectis, elevatis; sporulis ellipsoideis, brunneis, 22 \approx 9.

Hab. in ramis *Ribis*, New Jersey Amer. bor.

29. **Sphæropsis Rhamni** Cooke Grev. V, p. 55, t. 80, f. 6. — Peri- 5716
theciis gregariis, primum epidermide tectis, demum ea transverse fissâ erumpentibus; sporulis arcte ellipticis, brunneis, 25 \approx 7,5.

Hab. in cortice *Rhamni*, New Jersey Amer. bor. (Doct. CURTIS). — *Sph. ribicolæ* affinis sed sporulis angustioribus.

30. **Sphæropsis quercina** Cooke et Harkn. in Grevillea XIII, p. 111. 5717

— Peritheciis sparsis, subcutaneis, globoso-depressis, vix prominulis; sporulis subellipticis, continuis, utrinque rotundatis, demum olivaceo-fuligineis, 20-24 \approx 12.

Hab. in ramis vivis Quercus in California (HARKNESS).

31. **Sphærospis alnicola** Peck in 38 Rep. St. Mus. p. 95. — Peritheciis numerosis, 350-500 μ . diam., prominulis, hemisphæricis, erumpentibus, sæpe confluentibus, in maculis nigris; sporulis oblongis, 15-22 \approx 8-10. 5718

Hab. in ramulis emortuis Alni, West Albany Amer. bor.

32. **Sphærospis salicicola** Passer. Diagn. F. N. IV, n. 103. — Peritheciis sparsis vel gregariis globoso-conoideis erumpentibus, epidermide cinctis, atris, scabridis, ostiolo obtuso, fibrillis dematiaceis raris brevissimis consperso; sporulis ellipticis vel inæquilateralibus, raro subglobosis, basidiis hyalinis fultis, continuis, castaneo-fuscis, 15-22,5 \approx 10. 5719

Hab. in ramo sicco Salicis, Parma Ital. bor.

33. **Sphærospis Betulæ** Cooke in Grevillea XIV, p. 4. — Subgregaria, interdum sparsa, cuticula elevata tecta; peritheciis depresso globosis, vix papillatis; sporulis ellipticis, utrinque rotundatis, continuis, luteolis, 30-32 \approx 9. 5720

Hab. in ramulis Betulæ albæ, Kew Britannicæ.

34. **Sphærospis Mori** Berl. Fungi Mor. fasc. I, tab. 9, fig. 1-6, *Diplodia Mori* Plur. Auct. — Peritheciis sparsis vel leniter gregariis, basi cortice insculptis, epidermide elevata dein fissa cinctis, atris, globosis, sæpe collapsis, in ostiolum breve, conicum productis, $\frac{1}{3}$ - $\frac{1}{2}$ mm. diam.; sporulis oblongo-ovatis, sæpe basi attenuatis quandoque plasmatis bipartiti causa, loculo medio valde irregulari præditis, 15-18 \approx 10-2, saturate olivaceis; basidiis hyalinis, brevibus, crassiusculis, suffultis. 5721

Hab. in ramis corticatis Mori albæ in toto agro veneto Ital. bor., sociâ *Diplodiâ Mori*.

35. **Sphærospis heterospora** Passer. Diagn. F. N. IV, n. 104. — Crebre sparsa vel subgregaria, tecta, pustulæformis; peritheciis subglobosis atris; sporulis fuligineis, globosis, 10-12,5 μ . diam. vel ovatis, 15-17,5 \approx 10; basidiis non visis. 5722

Hab. in ramulis siccis Mori albæ, Parma.

36. **Sphærospis ulmicola** E. et Ev. Proc. Acad. Phil. 1891, p. 79. — Peritheciis sparsis, minutis, 0,2-0,3 mm. diam., intus albis, epidermide pustulatim inflata sed vulgo non rupta tectis; sporulis elli- 5723

psoides v. obovatis, 20-30 \approx 12-15, flavo-brunneis; basidiis sporula brevioribus, obtusis.

Hab. in ramis emortuis Ulmi, London Canada (DEARNESS). —

A *S. Ulmi* sporulis multo minoribus dignoscitur.

37. **Sphæropsis Ulmi** Karst. Symb. Fenn. XXVIII, p. 42. — Peritheciis 5724
gregariis superficialibus, globulosis vel ovoideo-truncatis, basi applanatis, carbonaceis, fragilibus, subastomis, atris, 0,3 mm. diam.; sporulis ellipsoideo-oblongatis, hyalino-olivaceis, eguttulatis, 10 \approx 4.

Hab. ad ramulos dejectos, cortice orbatos Ulmi in horto muralensi Fennicæ.

38. **Sphæropsis gallæ** (Schw.) Sacc. Syll. III, p. 300. — Sec. Celotti
Mic. Montpell. p. 20, species nascitur quoque in ramis Juglandis
porcinæ, Montpellier et præbet sporulas 19-20 \approx 10-12.

39. **Sphæropsis acicola** Passer. Diagn. F. N. IV, p. 10. — Perithe- 5725
ciis superficialibus, sparsis vel subgregariis, parvulis, globosis, carbonaceis, ostiolo pertuso; sporulis ovalibus fuscis margine tenui hyalino, 12,5-15 \approx 7,5-10; basidiis bacillaribus longis hyalinis.

Hab. in foliis putridis Pini austriacæ, in horto botanico Parma Ital. bor.

40. **Sphæropsis Ellisii** Sacc. Syll. III, p. 300 — var. **Laricis** Peck 5726
44 Bep. p. 23. — Peritheciis majoribus, 350 μ . diam., sæpe seriatis epidermideque albida, rupta cinctis; sporulis ovatis 30-45 \approx 15-20.

Hab. in ramis corticatis Laricis americanæ, Kasoag Oswego county Amer. bor.

41. **Sphæropsis Juniperi** Peck 39 Rep. pag. 45. — Peritheciis grega- 5727
riis, numerosis, minutis, 200-275 μ . lat., erumpentibus, nigris; sporulis oblongis v. ellipsoideis, 20-23,5 \approx 11,5-13,5.

Hab. in cortice emortuo Juniperi virginianæ, Albany occid. Amer. bor.

42. **Sphæropsis maculans** Peck 39 Rep. pag. 46. — Peritheciis im- 5728
mersis, 400-500 μ . lat., nigris; ostiolo papillato; sporulis ellipsoideis, coloratis, 10-12,5 \approx 5-6,5.

Hab. in ramis emortuis et decorticatis in montibus Adirondack Amer. bor.

43. **Sphæropsis lecythea** (Schw.) Cooke Grev. *Sphæria* Schw., Syll. 5729
II, p. 410. — Sporulæ continuæ, pallide brunneæ, 30 \approx 10-12. — Etiam *Sphæria junipericola* Schw., Syll. II, p. 390, teste Cooke Grev., est *Sphæropsis*.

III. *In Monocotyledoneis.*

44. **Sphæropsis Smilacis** Ell. et Ev. Journ. Myc. 1889, p. 149. — Peritheciis sparsis, cortice immersis, epidermidem rumpentibus sed pro parte tantum erumpentibus; sporulis oblongis, brunneis, obtusis 15-20 \times 6-8. 5730

Hab. in caulibus emortuis *Smilacis hispidæ*, Lincoln, Nebr. Amer. bor. (H. J. WEBBER).

45. **Sphæropsis subdola** Passer. Diagn. F. N. IV, p. 10. — Peritheciis solitaris? sparsis, erumpentibus, atris, contextu carbonaceo; sporulis ellipticis, primo hyalinis, deinde flavis, tandem castaneis, semper integris, 15-18 \times 8-10. 5731

Hab. in caulibus siccis *Geitonoplesii angustifolii*, *Panisperma*, Roma.

46. **Sphæropsis typhina** Peck 32 Rep. p. 38. — Peritheciis sparsis, subconicis, leviter prominulis, sæpe compressis, nigris; sporulis fusoides, utrinque acutatis, coloratis, 15 \times 4. 5732

Hab. in foliis *Typhæ latifoliæ*, Sprakers Amer. bor.

47. **Sphæropsis caricina** Pass. in Journ. hist. Nat. Bord. 1885, p. 136, Brunaud Liste Sphærops. p. 28. — Peritheciis sparsis, minutis, globosis, nigris, tectis, ostiolo epidermidem perforante donatis; sporulis ellipsoideis vel ovoideis, fuligineis, continuis (an semper?), 18-22 \times 10-12,5; basidiis brevibus, subæqualibus, hyalinis. 5733

Hab. in foliis emortuis *Caricis ripariæ*, Saintes Galliæ.

48. **Sphæropsis Tritici** Cooke et Mass. Grev. XVI, p. 75. — Peritheciis minutissimis, dense gregariis, primo tectis, punctiformibus, atris; sporulis ellipticis, continuis, læte fuscis, 12 \times 7-9. 5734

Hab. in foliis vaginisque emortuis *Tritici*, Melbourne Australiæ (F. READER).

49. **Sphæropsis Passerinii** Brun. Champ. Saint. V, pag. 5. — Peritheciis erumpentibus, subglobosis vel oblongis, carbonaceis, duriusculis; sporulis ellipsoideis vel subovoideis, primo hyalinis, dein castaneo-brunneis, 20-25 \times 10-12,5; sporulis subglobosis v. ovoideis multo minoribus intermixtis; basidiis bacillaribus, hyalinis. 5735

Hab. in culmis emortuis *Bambusæ arundinacæ*, Saintes Galliæ.

50. **Sphæropsis lugubris** Bomm. Rouss. Sacc. Contr. Myc. Belg. IV, p. 81. — Peritheciis subglobosis, carbonaceis, epidermide atrata tectis, 240-300 μ . diam., plus minus aggregatis, poro dehiscenti- 5736

bus; sporulis elliptico-fusoideis, planis, fuligineis, subinde 2-guttatis, 18-21 \approx 9-10.

Hab. in culmis foliisque *Ammophilæ arenariæ*, Ostende Belgii, socio statu ascoph. *Anthostomella lugubri*.

2. *Sphæromma* Sacc. Perithecia subsuperficialia, xylogena.

51. **Sphæropsis tabacina** Berl. Fungi moricolæ fasc. I, t. 9, f. 12-15. 5737

— Peritheciis superficialibus, sparsis vel leniter gregariis, crusta stromatica atra insidentibus, globosis, atris, lucidis, in ostiolum cylindræum vel cylindræo-conicum, subinde longiusculum desinentibus $\frac{1}{5}$ - $\frac{1}{3}$ mm. diam.; sporulis ovoideis, episporio crassiusculo, guttulatis, continuis, læte cinnamomeis; basidiis nullis vel obsoletis.

Hab. in ligno putri *Mori albæ*, Fiumicello Ital. bor. — Ligno valde nigrefacto, peritheciis acute papillatis sporulisque ochraceo-lutescentibus statim distinguenda.

52. **Sphæropsis Xylostei** Passer. Diagn. F. N. IV, p. 10. — Perithe 5738

ciis insculptis, sparsis vel subgregariis, sphæriæformibus, rugulosis, atris, ostiolo papillari, nitidulo, pertuso; sporulis ellipticis, integris, fuligineis, 15 \approx 7,5.

Hab. in ligno fracido denudato *Loniceræ Xylostei*, Vigheffio pr. Parma

53. **Sphæropsis lignicola** Cooke et Mass. Grev. XVI, p. 8. — Peri- 5739

theciis gregariis, sæpius juxta ligni fibras seriatis, subinde confluentibus, opace atris, subglobosis, lateraliter compressis et distortis, subsuperficialibus, minute pertusis; sporulis subglobosis v. ovoideis continuis, brunneis, 15 \approx 10.

Hab. in ramis decorticatis, Kew London Britannicæ.

NÆMOSPHERA Sacc. Syll. III, p. 198 (ut subgen.) Karst. Sphærops. Fenn. p. 68 (Etym. e metathesi vocis *Sphæronæma*). — Perithecia discreta, tecta vel subsuperficialia, atra, membranaceo-carbonacea, ostiolo rostrato. Sporulæ continuæ, ovato-oblongæ, coloratæ. — Est *Sphæropsis* vel *Coniothyrium* rostrata. — Ad hoc genus quoque spectant *Næm. Magnoliæ* (Peck) Sacc. et *N. ossis* (Pr.) Sacc. Cfr. Syll. III, p. 198.

1. **Næmosphæra subtilissima** Karst. Sphær. Fenn. p. 68. — Perithe- 5740

ciis sparsis vel gregariis, superficialibus, late conoideis, atris, parenchymatico-contextis, 0,1 mm. diam., rostro cylindræo, stricto,

atro e filamentis connatis contexto, 0,4 mm. long., 20 μ . cr.; sporulis ellipsoideo-sphæroideis, dilutissime olivaceis, 6-7 \simeq 5-6.

Hab. in ramis emortuis *Symphoricarpi racemosæ* in horto Mustiala Fenniæ.

2. **Næmosphæra rudis** Karst. Symb. Myc. XXVIII, pag. 43. — Pe- 5741
 ritheciis gregatim sparsis, superficialibus, ovoideo-conoideis, pallidis, dein brunnescentibus, canovillosulis, 100-140 μ . diam.; ostiolo cylindræo e pallide brunneo, perithecio subæquilongò vel sublongiore; sporulis ovoideis, late ellipsoideis v. fere sphæroideis, fuligineis, eguttulatis, 12-24 \simeq 7-8 vel 10-12 μ . diam.

Hab. in cortice interiore *Aceris platanoidis* in horto mustialensi Fenniæ.

3. **Næmosphæra ceratophora** (Speg.) Sacc. *Sphæropsis* Speg. Guar. 5742
 I, p. 145. — Peritheciis immersis, laxè gregariis vel sparsis, globosis, 150 μ . diam., atris, opacis, coriaceis; ostiolo nigro, elongato exserto, 1-1,5 mm. long., 0,1-0,2 mm. diam., fibroso-prosenchymatico, ex hyphis chlorino-olivaceis composito, apice perforato et fimbriatulo; sporulis ellipticis vel ovoideis, basi subtruncatulis, cinnamomeis, grosse 1-2-guttatis, 12-15 \simeq 7-8, strato mucoso tenui, hyalino involutis; basidiis subampulliformibus v. ovoideo-elongatis, 15-20 \simeq 5, hyalinis.

Hab. ad corticem emortuum ramorum in silvis prope Guarapi Brasilie.

4. **Næmosphæra rostellata** (Grove) Sacc. *Coniothyrium rostellatum* 5743
 Grove in Journ. of Bot. 1886, p. 135. — Peritheciis globosis, rostello brevi cylindræo instructis vel ovoideis, rostro confluyente, $\frac{1}{6}$ - $\frac{1}{5}$ mm. alt., superficialibus, atris, rugulosis, sparsis v. subinde semiconnatis, contextu parenchymatico, olivaceo, subpellucido; sporulis numerosis, ovoideis vel subglobosis, olivaceis, 4 \simeq 2 $\frac{1}{2}$ -3.

Hab. in interiore squamarum superficie conorum *Pini silvestris*, Kings Norton prope Birmingham Britannie. — A *Conioth. dispersello* rostro manifesto distincta.

5. **Næmosphæra anomala** (March.) Sacc. *Sphæronema* March. Champ. 5744
 copr. VI, p. 10. — Peritheciis laxè gregariis, in ligno basi leviter insculptis, hemisphæricis, primum subglobosis, superne sæpe depressis, atro-fuscis, contextu parenchymatico densissimo, opaco, subfragili, 179-220 μ . diam.; ostiolo cylindræo, prosenchymatico, atro-fusco, 460-550 \simeq 12-15, recto vel flexuoso, apice penicillato-fibrilloso, albido, globulum candidum gerente; sporulis ovoideis, rectis, rarissime subarcuatis, polo inferiori leniter attenuato-truncatis,

juvenilibus fuligineo-hyalinis, 2 rarius-1-guttulatis, demum fuscis, subopacis, 11,5-12,5 \approx 6,5-8, basidiis brevibus, suffultis.

Hab. ad lignum decorticatum fimo cuniculino inquinatum, Bruxelles Belgii.

CONIOTHYRIUM Corda. — Sacc. Syll. III, p. 305.

A. *Eu-Coniothyrium*. Perithecia subtecta.

I. *In Dicotyledoneis herbaceis*.

1. **Coniothyrium Fragariæ** Oud. Versl. en Med. der Kon. Ak. van Wet. 2, XVIII, 37 et Aanw. IX-X, p. 27. — Peritheciis membranaceis, fuligineis, apice irregulariter pertusis; sporulis fuligineis, late ellipticis, 11,6 \approx 9,3, utrinque vel uno alterove apice acutato, basi sæpeque basidii portiunculâ hyalinâ appendiculatis. 5745

Hab. in receptaculis maturis *Fragariæ vescæ*, Amsterdam Hollandiæ.

2. **Coniothyrium Arthurianum** Sacc. et Berl. Misc. Myc. II, n. 71. — Peritheciis gregariis, epidermide velatis, globoso-depressis, papillulatis, $\frac{1}{6}$ mm. diam., atris; sporulis e globoso ellipsoideis, utrinque rotundatis, 5-6 \approx 4-5, pallide olivaceis. 5746

Hab. in caulibus herbaceis (*Cucurbitæ*?) Geneva Amer. bor., socio *Epicocco neglecto* (I. C. ARTHUR).

3. **Coniothyrium Euphorbiæ** (Roum.) Berl. et Vogl. Add. Syll. n. 4394, *Phyllosticta Euphorbiæ* Roum. in Rev. Myc. 1885, p. 26. — Maculis epiphyllis, orbicularibus, rufo-brunneis, sparsis v. confluentibus, sæpe ad margines foliorum; peritheciis punctiformibus, nigris, $\frac{1}{10}$ mm. diam.; sporulis ellipsoideis, 5-6 \approx 2,5, olivaceis. 5747

Hab. in foliis vivis *Euphorbiæ silvaticæ*, Fontainebleau Galliæ.

4. **Coniothyrium Hellebori** Cooke et Mass. Grev. XV, p. 108. — Amphigenum; maculis orbicularibus sordide brunneis, 1-1,5 mm. diam., concentricè notatis; peritheciis minutis, plerumque in centro maculæ sitis, diu tectis, papillatis; sporulis ovoideis, pallide brunneis, 4-5 \approx 2-3. 5748

Hab. in foliis languentibus *Hellebori nigri*, Kew London Britanniæ.

5. **Coniothyrium Delacroixii** Sacc., *Coniothyrium Hellebori* Delacroix Bull. Soc. Myc. Fr. 1890, p. 183, nec C. et M. — Maculis amplis, amphigenis, sordide fusco-violaceis, ovalibus v. subangulatis; peritheciis immersis, 150-200 μ . diam., subrotundis, basi leviter 5749

applanatis, ostiolo papillato, epidermidem perforante, 35 μ . lato; sporulis ovalibus, primum hyalinis, dein fusco-castaneis, 7 \approx 3,5; basidiis nullis.

Hab. in pagina superiore foliorum Hellebori viridis, Saint-Emilaud (Saône et Loire) Galliæ.

6. **Coniothyrium vile** Karst. et Har. Rev. Myc. 1890, n. 47. — Pe- 5750
ritheciis sparsis, erumpentibus, rotundatis, pertusis, atris, minimis; sporulis ellipsoideis vel oblongatis, dilute fuligineis, 4-6 \approx 2,5-3,5.

Hab. ad caules aridos Solidaginis glabræ, Méry-sur-Seine (Aube) Galliæ.

7. **Coniothyrium salvicolum** E. et E. Journ. Mycol. 1888, p. 49. — 5751
Peritheciis erumpenti-superficialibus, submembranaceis, nigris, $\frac{1}{2}$ mm. diam., dein supra collabentibus; ostiolo papillato; sporulis subglobosis, olivaceis, 3,5-4 μ . diam.

Hab. in caulibus vetustis, dealbatis et decorticatis *Salviæ officinalis*, Newfield, N. J. Amer. bor.

8. **Coniothyrium septorioides** Cooke et Mass. Grev. XX, pag. 36. — 5752
Maculis orbicularibus, fulvescentibus, late purpureo-marginatis, epiphyllis; peritheciis plerumque circinantibus, subinde sparsis, nigris, erumpentibus, globosis, membranaceis; sporulis late ellipsoideis, continuis, pallide brunneis, 5-6 \approx 3-4.

Hab. in foliis *Prostantheræ lasianthæ*, Grampians Victoria Australiæ (F. MUELLER).

9. **Coniothyrium mediellum** Karst. Symb. Myc. Fenn. XXIII, p. 10. 5753
Peritheciis dense gregariis, superficialibus, basi leviter insculptis, sphæroideo-conoideis, obtusiusculis, ore latiusculo pertusis, atris, 0,4 mm. diam.; sporulis late ellipsoideis, eguttulatis, luteolis, diaphanis, 4-6 \approx 2-5.

Hab. in caulibus *Chenopodii albi* emortuis ad Mustiala Fenniæ. — Inter *Coniothyrium Crepinianum* et *C. conoideum* quasi medium.

II. In *Dicotyledoneis lignosis*.

10. **Coniothyrium Montagnei** Cart. in Mont. Ann. Sc. nat. 1849, II, 5754
p. 304. — Peritheciis epidermide innatis, erumpentibus, gregariis, ovoideo-globosis, subdepressis, minutissimis, vix 50 μ . diam., atris, vertice tandem ruptis; contextu membranaceo, tenuissimo, ample parenchymatico; sporulis globosis, griseis, tandem olivaceo-umbri-
nis, episporio crasso, maturis 10 μ . cr.

Hab. in ramulis emortuis *Elæagni angustifolii* et in cau-

libus pedunculisque Bupleuri fruticosi pr. Montaud-lès-Miramas Galliæ (CASTAGNE).

11. **Coniothyrium Ribis** Brun. Champ. Saint. pag. 338. — Peritheciis 5755
gregariis vel subgregariis, erumpentibus, globosis, nigris; sporulis
oblongis, eguttatis, brunneis, 8-10 \times 3-3,5.

Hab. in ramis emortuis Ribis floridi, Saintes Galliæ. —
Affinis *C. olivaceo*.

12. **Coniothyrium Berberidis** Fautrey in Rev. myc. 1890, p. 124. — 5756
Peritheciis sub epidermide nidulantibus, eximie pertusis, nigris, de-
pressis; sporulis oblongis, fuscis, eguttatis, 8-11 \times 2-4.

Hab. in ramulis Berberidis vulgaris, sociâ *Didymosphæ-
ria epidermidis* forma *macrospora*, Beaune, Côte-d'Or Galliæ.
(F. FAUTREY).

13. **Coniothyrium Berlandieri** Viala et Sauv. in Journ. de Bot. 1891, 5757
p. 364, t. V, f. 11. — Peritheciis sphaericis v. subreniformibus, 135
 \times 110, apice subprominulo pertusis; contextu minutissime irregula-
riterque parenchymatico, atro-nigro; sporulis piriformibus, elonga-
tis, basi angustioribus et plano-truncatis, subsaturate brunneis, epi-
sporio crassissimo, intus eguttatis, minute granulosis, 16 \times 6,3, con-
tinuis, rarissime 1-septatis.

Hab. in foliis Vitis Berlandieri, V. cinereæ, V. candi-
cantis Amer. bor. — Socia adest *Coniothyrii* alia sp., perithe-
ciis 46 μ . diam., 62 μ . alt., sporulis ovoideis, dilute brunneo-fuligi-
neis, 1,25 μ . long.

14. **Coniothyrium Vitis** Delacr. Bull. Soc. Myc. 1890, p. 141. — Pe- 5758
ritheciis sparsis, subsuperficialibus, globosis, atris, papillatis, mi-
nutis, 60 μ . diam.; sporulis ovalibus, fuscis, eguttulatis, 4,5 \times 2,5;
basidiis non visibilibus.

Hab. in cortice Vitis viniferæ emortuæ, Hautes Pyrénées
Galliæ. — A *C. olivaceo* et *C. Fuckelii* præcipue peritheciis multo
minoribus diversum.

15. **Coniothyrium Staphyleæ** Peck 39 Rep. p. 40. — Peritheciis mi- 5759
nutis, 175-275 μ . lat., subglobosis, subprominulis, primo epidermide
tectis, dein erumpentibus, nigris; sporulis minutissimis, ellipsoideis,
subcoloratis, 4 \times 3,

Hab. in ramis dealbatis Staphyleæ trifoliæ, Saugerties
Amer. bor.

16. **Coniothyrium Cephalanthi** Ell. et Ev. Journ. Myc. 1889, p. 149. 5760
— Maculis latis, suborbicularibus v. irregularibus, supra griseo-
brunneis, subtus rubiginoso-brunneis, sæpe late confluentibus, plus

- minus distincte concentrice zonatis; peritheciis hypophyllis, minutis, copiosis, erumpentibus, nigris; sporulis brunneis, continuis, globosis, 4-5 μ . diam. v. ovoideis, 4-5 = 3-3,6.
- Hab.* in foliis vivis *Cephalanthi*, Bayon Chene, Louisiana Amer. bor. (LANGLOIS).
17. **Coniothyrium Genistæ** (Roum.) Berl. et Vogl. Add. Syll. n. 4391, 5761
Septoria Genistæ Roum. in Rev. Myc. 1884, p. 230. — Peritheciis innato-erumpentibus, prominentibus, globoso-inæqualibus, brevissime papillatis, gregariis, subinde confluentibus, subcoriaceis, atris, $\frac{3}{4}$ mm. diam.; sporulis ellipticis, inæquilateralibus, brunneis.
- Hab.* in cortice emortuo *Genistæ tinctoriæ*, Carcassonne Galliæ.
18. **Coniothyrium Laburni** Rich. Cat. Champ. Marn. n. 1645 (absque 5762
 diagnosi).
- Hab.* in ramis decorticatis *Cytisi Laburni*, St. Amand, Marne Galliæ.
19. **Coniothyrium cassiæcolum** Cooke in Grevillea XIII, pag. 96. — 5763
 Peritheciis gregariis, globosis, cuticula elevata tectis, demum erumpentibus; sporulis ovalibus, enucleatis, pellucidis, pallide brunneis, 6 = 4, continuis.
- Hab.* in caulibus *Cassiæ marylandicæ*, Kew Britannicæ.
20. **Coniothyrium ilicinum** Ell. et Anders. Bot. Gaz. 1891, p. 46. — 5764
 Peritheciis epiphyllis, prominulis, epidermide atrata tectis; sporulis subglobosis v. breve ellipsoideis, pallide brunneis, 2,5-3 μ . longis.
- Hab.* in foliis *Ilicis* speciei cujusdam, Washington Amer. bor.
21. **Coniothyrium Kerriæ** Le Bret. in Rev. Myc. 1891 Oct. — Peri- 5765
 theciis . . . ; sporulis subglobosis brunneis, 4-6 = 4,5.
- Hab.* in ramulis emortuis *Kerriæ* pr. Rouen Galliæ, sociis *Phoma japonica* et *Diplodia Kerriæ*.
22. **Coniothyrium australe** Sacc. Syll. III, pag. 311. — Var. **Mespili** 5766
 Pass. in Journ. hist. Nat. Bord. p. 136, Brunaud Liste Sphærops. p. 29. — Peritheciis epidermide tectis, dein erumpentibus; sporulis ovoideis, brunneis, centro guttulatis, 12,5-15 = 8-10.
- Hab.* in ramis emortuis *Mespili germanicæ*, Pessines Galliæ.
23. **Coniothyrium subcorticale** Karst. Hedw. 1888. — Peritheciis spar- 5767
 sis vel laxe gregariis, peridermio velatis eique ostiolo adnatis, rotundato-depressis, fragilibus, levibus, glabris, atratis, ostiolo papillato per peridermium erumpente, circiter 0,2 mm. latis; sporulis ellipsoideo-sphæroideis v. ellipsoideis, eguttulatis, ex hyalino dilute fuligineis, 4-6 = 3.

Hab. in ramis emortuis Sambuci racemosæ in horto mustialensi Fenniae. — A *Con. fuscidulo* certe diversum. *Calosphæriam vibratilem* imitatur. Perithecia peridermio soluto adhærent.

24. **Coniothyrium clandestinum** Karst. Rev. Myc. 1888. — Peritheciis 5768
sparsis, cortice tectis eique adhærentibus, solito sphæroideis, atris, nitidulis, glabris, papilla minuta perforante, circiter 0,3 mm. lat.; sporulis sphæroideo-ellipsoideis v. ovoideis, eguttulatis, dilutissime fuligineis, pellucidis, 5-7 = 3-4.

Hab. ad ramos emortuos Sambuci racemosæ in horto mustialensi Fenniae. — «Videtur idem ac præcedens».

25. **Coniothyrium olivaceum** Bon. — Syll. III, p. 305. — Var. **Lauri** 5769
nobilis Brun. in Rev. Myc. 1886, p. 140. — Sporulis 6-8 = 4.

Hab. in ramis emortuis Lauri nobilis, Saintes Galliae. — Var. **phyllogenum** Sacc. in Rev. Myc. 1886, p. 193: a typo differt peritheciis phyllogenis, minoribus; sporulis obovatis, 7 = 4, fuligineis. In foliis vivis Rhododendri, Fontainebleau Galliae.

26. **Coniothyrium globulisporum** Speg. F. Guar. II, n. 166. — Peri- 5770
theciis epidermide innatis, lenticularibus (an dimidiato-scutatis?), minutis, 150-180 μ . diam., atris, dense sparsis, membranaceis, contextu parenchymatico parum distincto, in sicco collabascentibus, ostiolo minuto perforatis; sporulis globosis, 8-10 μ . diam., crassiuscule tunicatis, primo hyalinis, dein fuligineis.

Hab. ad corticem languidum Cactorum in cultis pr. Asuncion Amer. merid.

27. **Coniothyrium Celtidis** Brun. Suppl. Sphæroid. p. 2. — Perithe- 5771
ciis sparsis v. gregariis, tectis, dein erumpentibus, nigris, globulosis, pertusis; sporulis numerosissimis, subglobosis, 5-7 = 4-5, sæpe 1-2-guttatis, brunneis.

Hab. in ramis emortuis Celtidis australis, Saintes Galliae.

28. **Coniothyrium valsoideum** Peck in 38 Rep. St. Mus. pag. 97. — 5772
Peritheciis cæspitosis, stipatis, erumpentibus, laciniis epidermidis ruptæ circumdatis, subglobosis vel angularibus mutua pressione atris; sporulis numerosis, subglobosis vel ovatis, coloratis, 5-6.

Hab. in ramis emortuis Alni glutinosæ, West Albany Americæ borealis.

29. **Coniothyrium? Populi** Rich. Cat. Champ. Marn. n. 1647. — Sub- 5773
epidermicum; sporulis brunneis, 1-guttatis.

Hab. in ramis Populi, St. Lumier, Marne Galliae.

30. **Coniothyrium indicum** Cooke et Mass. Grev. XVI, p. 70. — Pe- 5774
ritheciis gregariis, globosis, erumpentibus, primo tectis, dein sub-

superficialibus, atris, opacis, 0,3-0,5 mm. diam.; sporulis globosis, atro-fuscis, demum opacis, 8 μ . diam.

Hab. in ramulis Salicis, Hindu Koosh, ad 3800 metr. circ. (GILGIT Exped.).

31. **Coniothyrium fuligineum** (Karst.) Sacc., *Sphærospis fuliginea* 5775
Sphærosp. Fenn. p. 70. — Peritheciis gregariis, superficialibus, ob-
ovoideis, papillatis, fuligineis, 0,2-0,3 mm. diam.; sporulis sphæ-
roideo-ellipsoideis, 1-guttatis vel eguttatis, diaphane fuligineis, 6-
8 \approx 4-5.

Hab. in ramulis Salicis capræ decorticatis prope Aboam Fennicæ.

III. In Monocotyledoneis.

32. **Coniothyrium Palmarum** Cooke et Mass. Grev. XVI, p. 7. — Pe- 5776
ritheciis subcuticularibus, sparsis, minutis, subglobosis, epidermi-
dem elevantibus, sed vix perforantibus; sporulis ovoideis, continuis,
brunneis, 8 \approx 4-5.

Hab. in foliis emortuis Chamæropis humilis, Kew Britan-
niæ. — «An diversum ab homonymo Cordæ? Cfr. Syll. III, p. 318».

33. **Coniothyrium aroideum** Cooke et Mass. Grev. XV, pag. 111. — 5777
Amphigenum; peritheciis sparsis, minutis, punctiformibus, promi-
nulis, atris; sporulis ovalibus, fuscis, 4 \approx 3.

Hab. in foliis Colocasiæ scandentis, Gaboon, W. Africa (E. SIMMONDS).

34. **Coniothyrium Gastonis** (Roum.) Berl. et Vogl. Add. Syll. n. 4397, 5778
Phyllosticta Gastonis Roum. in Rev. Myc. 1886, p. 19. — Peri-
theciis raris, nigris, punctiformibus, applanatis, 100-150 μ . diam.;
sporulis globosis, brunneis, 5 μ . diam., guttulatis, in maculas or-
biculares, brunneas confluentibus.

Hab. in foliis vivis Musæ Sapiantum, Haiti Australiæ.

35. **Coniothyrium Scirpi** Trail Trans. Crypt. Scot. 1889. pag. 44. — 5779
Peritheciis sparsis, innatis, tenuibus, brunneis, sphæroideis, 100-
150 μ . diam.; sporulis late fusoideis, 9-10 \approx 4-5, pallide brunneis.

Hab. in calamis emortuis Heleocharidis palustris ad ri-
pas Loch Achray Inverary Scotiæ.

36. **Coniothyrium inconspicuum** Cooke Grev. XVI, p. 8. — Peritheciis 5780
perexiguis, inconspicuis, breve seriatis, innatis; sporulis ellipsoideis,
continuis, brunneis, 10 \approx 4-5, initio basidiis brevibus suffultis.

Hab. in foliis Gynerii argentei, Claygate Britannicæ.

37. **Coniothyrium fuegianum** Speg. F. Fueg. n. 403. — Peritheciis 5781

minutis, lenticulari-globosis, 120-150 μ . diam., atris, glabris, hinc inde sparsis v. 3-8-seriatis, immersis v. vix prominulis membranaceis, epidermide parum circum circa infuscata tectis adnatisque, ostiolo minuto papillulato lato, 20 μ . diam. non v. vix subexserto; contextu dense parenchymatico olivaceo; sporulis e globoso ellipticis, 4-6 \approx 3-4, utrinque obtusis, rectis vel subinæquilateralibus, olivaceis.

Hab. in foliis culmisque putrescentibus Poæ Forsteri in Chair island Fuegiæ.

38. **Coniothyrium Phalaridis** Faut. et Roum. in Rev. Myc. 1891 Oct. 5782

— Peritheciis vix tectis, ostiolo emergentibus, griseis, subglobosis; sporulis copiosissimis, coacervatis, flavo-atris, solitariis flavidis, fusoides, 2-guttatis, 8-10 \approx 2.

Hab. in vaginis, præcipue prope nodos culmorum Phalaridis arundinaceæ, Noidan, Côte-d'Or Galliæ. — A *Con. arundinaceo* distinguendum.

39. **Coniothyrium Oryzæ** Cav. Mat. Lomb. p. 19. — Peritheciis spar- 5783

sis, immersis, globosis, brunneis, ostiolo prominulo pertusis; sporulis e strato prolifero orientibus, cylindræis v. ellipticis, utrinque obtusis, 2-guttulatis, dilute olivaceis, 11-13 \approx 5-6.

Hab. in foliis Oryzæ sativæ, Carbonara al Ticino Ital. bor.

40. **Coniothyrium hysteroideum** Karst. et Har. Journ. Bot. 1890, 5784

p. 359. — Peritheciis sparsis vel subgregariis, subcutaneis, dein vertice per epidermidem fissam subemergentibus, ellipsoideis, ovoideis, rarius suborbicularibus, depressis, demum rima longitudinali dehiscentibus, atris, 100 μ . diam. vel paullo ultra; sporulis ellipsoideis, interdum 1-guttulatis, fuligineis, pellucidis, 4-7 \approx 3-5.

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

41. **Coniothyrium Dasylyrii** Celotti Mic. Montp. p. 22. — Peritheciis 5785

erumpentibus, globoso-ellipticis, $\frac{1}{4}$ mm. long., atris; sporulis globosis, 5-6 μ . diam., fuligineis.

Hab. in foliis emortuis Dasylyrii gracilis, Montpellier Galliæ et Roma Ital.

IV. In Acotyledoneis.

42. **Coniothyrium lycopodium** Sacc. et Paol. Myc. Sibir. p. 21, f. 19. 5786

— Peritheciis laxè gregariis, globoso-depressis vix papillatis, poro pertusis, epidermide subvelatis erumpentibusque, $\frac{1}{4}$ - $\frac{1}{3}$ mm. lat.; sporulis ellipsoideis, utrinque rotundatis, dilute olivaceis, 6 \approx 2, uni-guttatis.

Hab. in foliis *Lycopodii annotini* in silvis alpinis prope montem Borus Sibiriae (MARTIANOFF). — Socia adest *Sphærella lycopodina*.

43. **Coniothyrium Tuberculariæ** Passer. Diagn. F. N. V. n. 32. — Peritheciis crebre sparsis, minutis, punctiformibus, fuscis, erumpentibus, contextu celluloso castaneo; sporulis globosis vel ovalibus, fuscidulis, 2,5-3 μ . diam. vel 3 = 2,5. 5787

Hab. in sporochiis *Tuberculariæ* in ramo *Calycanthi præcoci*, Parma Ital. bor.

44. **Coniothyrium? Hookeri** Speg. F. Fueg. n. 404. — Peritheciis minutis lenticulari-globosis 100-120 μ . diam., innato-prominulis non v. vix papillulato-ostiolatis, atro-olivaceis, carnosulo-membranaceis, contextu dense parenchymatico subindistincto; sporulis ellipticis, globosis vel subcuboidis 6-10 = 5-6, fuliginis (an catenulatis?). 5788

Hab. in disco *Cyttariæ Hookeri?* e ramulis fagineis vix erumpente, Slogget bay Fuegiæ. — Species pulchella a genere nonnihil desciscens; an status spermogonicus ipsius *Cyttariæ?*

45. **Coniothyrium lichenicolum** Karst. Symb. XX, p. 104. — Peritheciis in apotheciis superficie nigrificatis, basi insculptis, sphæroideis vel sphæroideo-conoideis, atris, 100-200 μ . diam.; sporulis ovoideo-oblongis vel clavulatis, basi attenuatis, continuis, fuliginis, semipellucidis, 5-7 = 3-4; basidiis bacillaribus; sporulis fere longioribus. 5789

Hab. in apotheciis *Parmeliarum*, Hollola, Lahtis Fenniae.

46. **Coniothyrium Cladoniæ** (Ell. et Ev.) Sacc. *Sphæroopsis Cladoniæ* Ell. et Ev. Journ. Myc. 1889, p. 149. — Peritheciis minutis, circ. $\frac{1}{6}$ mm. diam. et paullo ultra alt., obconico-cylindræis, supra subtruncatis; sporulis globosis vel obovato-globosis, flavido-brunneis, circ. 3 μ . diam.; basidiis validis, circ. 6 = 2. 5790

Hab. in apotheciis *Cladoniæ cariosæ*, Emma Montana Amer. bor. (Rev. C. H. DEMETRIO).

B. *Epithyrium* Sacc. Species lignicolæ v. resinicolæ, subsuperficiales

47. **Coniothyrium obscurum** Pass. in Martelli Florula bogos. p. 148. — Peritheciis (genuinis?) fibris ligneis insidentibus v. intermixtis, oblongo-linearibus, atris; sporulis ovoideis, atro-fuscis, integris, 7,5-10 = 5-6. 5791

Hab. in lignis decorticatis, Keren Abyssiniæ (BECARI).

48. **Coniothyrium Populi** Oud. Contr. Mycol. XIII, p. 44, t. 8, f. 25. — Peritheciis membranaceis, sparsis, inter fibras ligni prominen- 5792

tibus, subsphæricis, sæpe plus minus compressis, cristæformibus, nitidis, nigris, $\frac{1}{3}$ - $\frac{2}{2}$ mm. long.; sporulis fuscescentibus, numerosissimis, ellipticis aut oblongis, 8-12 \approx 4-5, utrinque 1-guttatis.

Hab. in fragmentis ligneis ex Populo nigra, Schéveningue Nederlandiæ (DESTREE).

49. **Coniothyrium innatum** Karst. Symb. XVII, p. 162. — Peritheciis 5793
subgregariis, subinde in series dispositis, innatis, vertice emergente conoideo-attenuatis, rotundatis v. subellipsoideis, glabris, atris, 0,3 mm. diam.; sporulis ellipsoideis, fuligineis, 10-14 \approx 5-7.

Hab. in ligno vetusto salicino in regione Kolaënsi Fenniæ.

50. **Coniothyrium Resinæ** Sacc. et Berl. Misc. Myc. II, n. 130, t. IX, 5794
f. 17. — Peritheciis superficialibus, globulosis, atris, fere epapillatis, $\frac{1}{7}$ - $\frac{1}{8}$ mm. diam., subiculo atro, coniothecioideo insertis; contextu celluloso, nigricante; sporulis globosis, 1-guttulatis, 1,5-2; basidiis bacillaribus, 15 \approx 1,5-2, dilute olivaceis, fasciculatis.

Hab. in resina dejecta uda in horto patavino Ital. bor. (DOM. SACCARDO) — A pycnidio *Tromeræ resinæ* contextu atro peritheciis statim distinguenda species.

HARKNESSIA Cooke. — Sacc. Syll. III, p. 320.

1. **Harknessia Arctostaphyli** Cooke et Hark. in Grevillea XIII, p. 111. 5795
— Amphigena; peritheciis innatis, erumpentibus, parvulis, $\frac{1}{3}$ mm. diam., ore orbiculari elevato, subdenticulato; sporulis ellipticis, fuligineis, 20 \approx 9, deorsum pedicellatis; basidiis brevibus.

Hab. in foliis Arctostaphyli in California (HARKNESS).

2. **Harknessia affinis** E. et E. Journ. Myc. 1888, p. 51. — Pustulis 5796
valseis, multilocularibus, primitus disco albo, mox centro pertuso, tectis; sporulis ellipsoideis, opacis, 20-25 \approx 12-15, basidiis hyalinis circ. 25 μ . long., plerumque basi incrassatis, fultis, apice appendice subuliformi hyalina, basidiis subæquilonga præditis.

Hab. in ramis emortuis Liquidambaris styracifluæ, Plainfield, N. J. Amer. bor. (G. F. MESCHUTT).

3. **Harknessia fuegiana** Speg. F. Fueg. n. 406. — Maculis albis sæpe 5797
totum folium ambientibus determinatis, linea fuscescente cinctis; acervulis amphigenis laxè gregariis immersis conoideo-prominulis 300 μ . diam., apice porose dehiscentibus, pseudoperithecio subparenchymatico tenuissimo olivaceo vix evoluto; sporulis ellipticis 20-24 \approx 11 apice obtusiusculis, grosse 1-guttulatis, rectis, basi cauda clavulata 18-20 \approx 3, hyalina flexuosula acutis.

Hab. ad folia languida *Mayteni magellanicae* in Picton island Fuegiæ.

4. **Harknessia caudata** E. et E. in Journ. of Myc. p. 92. — Acer- 5798
vulis (peritheciis?) innato-erumpentibus, globosis, primo epidermi-
de tectis, dein ea poro rotundo pertusa, massam sporularum reve-
lantibus; sporulis fusiformi-ellipticis, brunneis, 15-20 \approx 6-8, in glo-
bulum minutum, atrum expulsis, apice appendicula setiformi, hya-
lina, recta vel leniter curva, 15-25 μ . longa auctis; basidiis cy-
lindræis, hyalinis, 12-15 \approx 2,5-3, diu persistentibus.

Hab. in foliis et ramulis emortuis *Quercus*, Newfield Amer.
bor. — Verisimiliter status pycnidicus *Cryptosporellæ farinosæ*
habenda.

5. **Harknessia hyalina** E. et E. in Jour. of Myc. I, p. 92. — Acer- 5799
vulis (peritheciis?) innatis, subglobosis, $\frac{1}{4}$ mm. diam., epidermide
elevata subinde stellatim rupta tectis; sporulis in globulum albe-
scentem congestis, oblongo-fusiformibus, hyalinis vel luteolis, 20-
25 \approx 4-6, appendicula setiformi, recta v. vix curva, 15-20 μ . longa
auctis; basidiis brevibus, cylindræis vel subconoideis, 6-10 \approx 4.

Hab. in foliis emortuis *Quercus coccineæ*, Newfield Amer.
bor. sociâ *Physalosporâ quercifoliâ*, cujus verisimiliter status
pycnidicus habenda.

6. **Harknessia antarctica** Speg. F. Fueg. n. 405. — Maculis nullis; 5800
acervulis minutissimis 150-250 μ . diam., amphigenis, immersis po-
rōse dehiscantibus, cirro nigricante ornatis, pseudoperithecio sub-
stromatico olivaceo; sporulis ellipticis rectis 17-20 \approx 7-8, apice acu-
tiusculis non vel 1-guttulatis, basi cauda recta hyalina persistente
cylindræa, 12-15 \approx 1,5 auctis.

Hab. ad folia emortua *Fagi betuloidis* tuguria incolarum
tegentia in Burnt island Fuegiæ. — Forma hujus speciei ramuli-
cola e Basket island etiam adest: acervulis majusculis, 1-3 mm.
diam., cortice innatis primo peridermio tumefacto tectis, dein erum-
pentibus, atro-cinnamomeis, stromate pluriloculari spurio donatis;
sporulis ut in typo, sed paraphysibus filiformibus minutis obvallatis.

SIROTHECIUM Karst. Symb. XX, pag. 105 (Etym. *seira* catena et
thecium pro perithecio). — Perithecia erumpenti-superficialia, sub-
sphæroidea vel hysteriiformia, carbonaceo-membranacea, glabra,
atra, demum irregulariter dehiscantia. Sporulæ sphæroideæ, conti-
nuæ, fuliginæ, concatenatæ, exiguæ e basidiis unicellularibus fa-
sciculatim oriundæ. — Est *Sirococcus* phæosporus.

1. **Sirothecium sepiarium** Karst. loc. cit. — Peritheciis sparsis erumpenti-superficialibus, sphæroideis vel hysteriiformibus, subinde cupulato-depressis, 0,2 mm. diam.; sporulis 4-6-concatenatis, sphæroideis vel rotundato-cuboideis, continuis, ægre secedentibus, dilute fuligineis 4-6 \approx 3-5 vel 5-6 μ . diam. in catenas simplices cylindraceis, 18-24 μ . long., e basidiis unicellularibus sphæroideis, subhyalinis, fasciculatim oriundas digestis. 5801

Hab. in ligno vetusto pineo ad Mustiala Fennicæ.

LEVIEUXIA Fr. — Syll. III, p. 321.

1. **Levieuxia borealis** Karst. in Hedw. 1887, p. 126. — Peritheciis erumpentibus, mox superficialibus, verticalibus, ovoideis, obovoideis, clavatis vel cylindraceis, glabris, carbonaceis, rigidis, superne demum diffractis, nigris, circ. 0,2 mm. alt.; sporulis ellipsoideis, aut ovoideo-vel fusoido-oblongatis, chlorino-hyalinis, episporio obscuro, rectis, eguttulatis, 3-4 \approx 1-2. 5802

Hab. in ligno vetusto Pini in insula Quarkensi Replot ad Fenniam.

CHÆTOMELLA Fuck. — Syll. III, p. 321.

1. **Chætomella longiseta** Delacr. Bull. Soc. Myc. 1891, p. 106, t. VII, f. d. — Peritheciis parce gregariis, atris, astomis, 170 μ . lat., longe setosis; subiculo mycelico, hyphis tortuosis, fuscis, 5 μ . lat., setis rectis, rigidis, continuis, fuscis, apice attenuatis, 4,5-6 μ . lat., usque ad 430 μ . long.; sporulis ovatis, guttulatis, primum hyalinis, dein fuscis vel olivaceo-cærulescentibus; basidiis fasciculatis, leviter tortuosis, nubiosis, 20-25 μ . longis. 5803

Hab. in seminibus Pisi sativi germinantibus, Parisiis Gallicæ.

2. **Chætomella furcata** Cooke et Mass. Grev. XVII, p. 43. — Peritheciis superficialibus, sparsis, subglobosis, astomis, nigris, undique setosis, pilis erectis, sursum bi-vel tri-dichotomis, fuscis; sporulis ovatis vel subamygdaloideis, pallide fuscis, 10-11 \approx 8. 5804

Hab. in foliis coriaceis, Sikkim Indiæ.

3. **Chætomella eucrypta** Cooke et Mass. Grev. XIX, p. 4. — Peritheciis immersis, demum erumpentibus, membranaceis, olivaceis, sæpe subcupularibus, setosis; setis paucis, strictis, septatis; sporulis amygdaloideis, atro-olivaceis, 16 \approx 10, plerumque ad basim hyalino-apiculatis. 5805

Hab. in foliis emortuis Knightiæ excelsæ in Nova Zelandia (COLENZO).

4. **Chætomella tortilis** Delacr. Bull. Soc. Myc. 1891, p. 106. — 5806
 Peritheciis astomis, gregariis, oculo nudo inconspicuis, maculam atram
 efficientibus, subhæmisphæricis, 150 μ . diam., setis tortuosis, sim-
 plicibus, tenuiter septatis, fusco-olivaceis, 300 \approx 4,5-5; sporulis ovoi-
 deis, utrinque acutatis, 2-guttulatis, violaceo-atris, 12,5 \approx 6,5; ba-
 sidiis fasciculatis, acicularibus, hyalinis, 20 μ . long.

Hab. in ligno Populi subcarioso, Rigny-sur-Arroux Gallia.
 — Verisimiliter status pycnidicus Perisporii funiculati, cu-
 jus intime socius.

CAPNODIASTRUM Speg. Guar. I, p. 145. — Perithecia globosa, oli-
 vacea, astoma, parvula, parenchymatica, subiculo helminthosporioi-
 deo innata. Sporulæ ellipticæ vel ovoideæ, simplices (an postremo
 didymæ?) fuliginæ.

1. **Capnodiastrum guaraniticum** Speg. loc. cit. — Maculis nullis; su- 5807
 biculo tenuissimo, effuso, sæpe hypophyllo, fusco-olivaceo, ex hy-
 phis repentibus et ramulosis, parce anastomosantibus composito;
 peritheciis obscure olivaceis, sparsis, subiculo immersis, globosis,
 50-60 μ . diam., astomis; contextu grosse parenchymatico-cellu-
 loso; sporulis ellipsoideis vel rarius ovoideis, 16-18 \approx 9-11, dense
 granuloso-nubilosus, grosse 1-guttatis, rarius 2-guttatis, episporio
 levi, crassiusculo donatis, obscure fuliginis.

Hab. ad folia viva Celtidis boliviensis in silvis prope
 Guarapi Brasiliæ.

2. **Capnodiastrum paraguayense** Speg. Guar. I, p. 146. — Maculis 5808
 nullis; subiculo effuso, hypophyllo, maculiformi, 2-3 mm. diam.,
 ex hyphis ramosissimis, 4-5 μ . cr., dense intertextis efformato;
 peritheciis parvulis, globosis, 70-80 μ . diam., olivaceo-fuliginis,
 membranaceis; contextu grosse celluloso-parenchymatico, olivaceo;
 sporulis ovoideis, 14-16 \approx 7-8, nubiloso-granulosus, e strato proli-
 gero perithecii immediate oriundis, fuliginis.

Hab. ad folia Celtidis sp. cujusdam prope Asunción Amer.
 merid. — Species ad *Cicinnobolum* vergens.

3. **Capnodiastrum orbiculatum** Cooke et Mass. Grev. XVIII, p. 49. — 5809
 Hypophyllum; maculis orbicularibus, 3 mm. diam., e mycelio ni-
 gro intertexto formatis; peritheciis minutis, globosis, submembra-
 naceis, mycelio insertis; sporulis ellipsoideis (asco non inclusis)
 brunneis, medio zona pallidior signatis, 14 \approx 4.

Hab. in foliis coriaceis, Bellenden Ker Queensland Australia
 (BAILEY).

HAPLOSPORELLA Speg. — Sacc. Syll. III, p. 323.

1. **Haplosporella Æsculi** Cooke et Mass. Grev. XVI, p. 9. — Peri- 5810
theciis minutis, nigris, in acervulos ellipsoideis vel angulosos, erum-
pentes, 5 mm. long., dense congestis, *Cucurbitariæ* instar, poro
minuto pertusis; sporulis ellipsoideis, continuis, pallide olivaceis,
5-7 \approx 3.
Hab. in ramis Æsculi, Kew London Britanniaë.
2. **Haplosporella viticola** Cooke et Mass. Grev. XVI, p. 9. — Erum- 5811
pens, plus minus longitudinaliter seriata, pustulis ellipsoideis ex
10 vel pluribus peritheciis, majusculis, subglobosis opace nigris,
vix pertusis compositis, *Botryosphæriæ* instar; sporulis majuscu-
lis, ovoideis vel late ellipsoideis, continuis, flavo-brunneis, 30-35
 \approx 10-15; basidiis crassis, sporulas subæquantibus.
Hab. in sarmentis Ampelopsidis, Kew London Britanniaë.
3. **Haplosporella marginata** Passer. Diagn. F. N. IV, n. 108. — Pe- 5812
ritheciis parvulis, subglobosis atris, stromate carbonaceo subcuta-
neo erumpente; sporulis ellipticis vel elongatis, primo hyalinis,
dein fuscis, hyalino-marginatis, idest endoplasmate fusco, perispo-
rio hyalino, 17,5-20 \approx 7,5-10; basidiis non visis.
Hab. in ramis siccis Gymnocladi canadensis in horto
botanico, Parma Ital. bor.
4. **Haplosporella Bouwardiæ** Passer. Diagn. F. N. IV, n. 109. — Pe- 5813
ritheciis in pustulas vel series lineares epidermide cinctas conge-
stis, erumpentibus, globosis papillatis, atris, nucleo albido; sporulis
ellipticis, basidiis subæquantibus fultis, diu hyalinis, tandem oliva-
ceis semper continuis, episporio crassiusculo.
Hab. in ramis siccis Bouwardiæ versicoloris in horto
botanico, Parma Ital. bor.
5. **Haplosporella seriata** E. et E. Proc. Ac. Phil. 1891, pag. 78. — 5814
Peritheciis connatis, stroma anguste oblongum, 2 mm. long., 1-2
mm. lat., formantibus, erumpentibus, sæpe in lineas plus minus
continuas, plura cm. longas confluentibus; sporulis continuis ovoi-
deis, 20-25 \approx 10-12.
Hab. in cortice Sambuci, London Canada America borealis
(DEARNESS).
6. **Haplosporella Brunaudiana** Passer. in Rev. Myc. 1886, p. 140. — 5815
Peritheciis 1-2 stromate pulviniformi immersis, brunneis, nucleo
albo; sporulis ellipsoideis, continuis, subinde 1-2-guttulatis, fuligi-
neis, 15-20 \approx 9-10.

Hab. in ramis emortuis *Ericæ scopariæ* pr. *Saintes Galliæ*.

7. **Haplosporella Evonymi** Ell. et Ev. Journ. Myc. 1889, p. 147. — 5816

Stromatibus sparsis vel seriatis, erumpentibus, epidermide lacera laxè cinctis, hemisphæricis v. oblongis, 1-2 mm. diam, subtruncatis, demum supra albis; peritheciis omnino immersis; contextu subevanescente; ostiolo obscure papillato; sporulis oblongis, obtusis, medio lenissime constrictis (an etiam 1-septatis?), 10-14 \approx 6-8, brunneis; basidiis gracilibus, 70-80 μ . long.

Hab. in ramis emortuis *Evonymi atropurpurei*, Lincoln, Nebr. Amer, bor. (H. J. WEBBER). — Stromata in ramis minoribus, minora sed sporulis majoribus, h. e. 18-22 \approx 10-12.

8. **Haplosporella pilocarpina** Speg. F. Guar. II, n. 168. — Peritheciis 5817

solitariis vel 2-3-aggregatis, cortice immersis, ostiolo minuto papillulato, epidermidem macula orbiculari fusca determinata notatam vix perforante, globulosis, 120-150 μ . diam., atris, membranaceo-coriacellis; contextu parum distincto, olivaceo; sporulis ellipticis, utrinque obtusis, 26-28 \approx 14, opace fuligineis, rectis v. sæpius subcurvulis, continuis.

Hab. ad foliorum petiolos emortuos putrescentes *Pilocarpi pinnatæ* in montanis Cirre de Paraguari Brasiliæ. — Species habitu ac sporularum notis ab *H. Pilocarpi* longe abhorrens.

9. **Haplosporella Pilocarpi** Speg. F. Guar. II, n. 167. — Stromatibus 5818

valsæ- vel subtuberculiformibus, 0,5-1 mm. diam., atris, laxè aggregatis v. sparsis, primo tectis, dein pustulato-erumpentibus, carbonaceis, contextu indistincto, pluriloculatis; peritheciis (v. loculis) globosis, e mutua pressione difformibus, 100-120 μ . diam., albofarctis; sporulis elliptico- v. ovoideo-subcylindræis, utrinque obtusis, 20-22 \approx 10, rectis v. inæquilateralibus, paraphysatis, sterigmatibus breviusculis ac crassis suffultis, pulchre fuligineis.

Hab. ad ramulos dejectos putrescentes *Pilocarpi pinnatæ* in montanis, Cerro de Paraguari Brasiliæ.

10. **Haplosporella Ailanthi** Ell. et Ev. Journ. Myc. 1889, p. 147. — 5819

Peritheciis $\frac{3}{4}$ mm. lat., cæspitose-gregariis, cortice immersis, stromate imperfecto connexis, subseriatim erumpentibus; sporulis ovoideis v. ellipsoideis, atro-brunneis, 18-22 \approx 8-10.

Hab. in cortice *Ailanthi glandulosæ*, Lyndonville N. J. Amer. bor. (Doct. C. E. FAIRMAN).

11. **Haplosporella obscura** Pass. in Journ. hist. Nat. Bord. 1885, 5820

p. 136, Brunaud Liste Sphærops. p. 29. — Stromate carbonaceo, pulvinato, per epidermidem stellatim ruptam erumpente, sursum

granuloso-rugoso, intus pluriloculari; oculis (peritheciis?) subglobosis; sporulis ovoideis, uno apice acutis, fuligineis, 10-12 \approx 5; basidiis longitudine variis, sæpe brevibus, filiformibus, hyalinis.

Hab. in ramis emortuis *Castaneæ vulgaris*, Saintes Galliæ.

12. **Haplosporella moricola** Berl. Fungi mor. fasc. I, t. 9, fig. 7-11, 5821

Diplodia Mori forma gregaria Auct. — Peritheciis in stromate carbonaceo, elongato, epidermidem subelevante et tandem eam radiatim vel lineatim rumpente immersis, quandoque distinctis et confluenso difformibus, nucleum album continentibus, $\frac{1}{4}$ - $\frac{1}{5}$ mm. diam.; sporulis ovoideis, sæpe basi attenuatis, immaturis episporio crassiusculo præditis, pallidis, guttuligeris et plasmate bipartito loculo centrali, irregulari instructis, 20-23 \approx 10, maturis olivaceo-fuligineis, continuis, basidiis crassiusculis, hyalinis, suffultis.

Hab. in ramis corticatis crassioribus *Mori albæ* in Gallia.

13. **Haplosporella Baxteri** Cooke et Mass. Grev. XVI, p. 8. — Peri- 5822

theeciis majusculis, elongatis, obconicis, erumpentibus, in acervulos congestis, apice pertusis; sporulis ellipsoideis, rectis vel curvulis, continuis, utrinque rotundatis, brunneis, 22-30 \approx 8-10.

Hab. in ramis emortuis Oxford Britannicæ (BAXTER).

14. **Haplosporella carbonacea** Pass. in Martelli Fl. bogos. pag. 148. — 5823

Peritheciis cæspitosis, erumpentibus, globosis, atris, stromate carbonaceo insidentibus vel immersis; sporulis ellipsoideis, castaneo-fuscis, integris, 10-15 \approx 6,5-7.

Hab. in rimis corticis, Keren Abyssiniæ (BECCARI).

15. **Haplosporella tingens** Ell. et Langl. Journ. Mycol. 1890, p. 37. 5824

— Peritheciis subcæspitosis, 2-3-gregariis v. dense confertis, sæpe seriatim erumpentibus, demum subsuperficialibus, conicis, $\frac{1}{3}$ mm. circ. diam., $\frac{1}{2}$ mm. alt.; sporulis oblongo-ellipsoideis, 18-20 \approx 9-11.

Hab. in culmis *Andropogonis muricati*, St. Martinsville, Louisiana Amer. bor. — Culmus intus nigro-ardosiaco-tinctus.

Sect. 3. Phæodidymæ.

DIPLODIA Fr. — Syll. III, p. 329.

a) *In Dicotyledoneis lignosis.*

1. **Diplodia Genistarum** Cooke in Grevillea XIII, p. 96. — Subsparsa; 5825

peritheciis cortice immersis, cuticula tectis, vix perspicuis, globosis; sporulis ellipticis, uniseptatis, non constrictis, pallide brunneis, 12-14 \approx 6.

Hab. in ramulis Genistæ ætnensis et Coronillæ Emeri, Kew Britannia.

2. **Diplodia Psoraleæ** (Cast.) Karst. et Har. Journ. Bot. 1890, p. 359, 5826
Sphaeria Cast. Cat. Mass. p. 166. — Peritheciis minutissimis; sporulis oblongis, utrinque obtusissimis, 1-septatis, ad septum leniter constrictis, loculis æqualibus, dilute fuligineis, 9-10 \approx 3.

Hab. ad caules Psoraleæ pr. Marseille Gallia (CASTAGNE). —
D. perpusillæ similis sed adhuc minor etc.

3. **Diplodia Emeri** Sacc. *Diplodia Coronillæ* Berl. et Bres. Micr. 5827
 Triol. p. 69, vix Brun. — Peritheciis gregariis, epidermide tectis, majusculis, globoso-conoideis, nigris; sporulis ovoideis, ad medium 1-septatis, olivaceo-fuligineis, 18-22 \approx 7-10.

Hab. in ramis emortuis Coronillæ Emeri prope Trento Tirolia.

4. **Diplodia Coronillæ** Brun. Suppl. Sphæroid. p. 2. — Peritheciis 5828
 sparsis v. confertis, nigris, globulosis, tectis, dein suberumpentibus; sporulis oblongis, utrinque rotundatis, brunneis, 1-septatis, constrictis, 28-30 \approx 12.

Hab. in caulibus emortuis Coronillæ glauca, Rochefort Gallia.

5. **Diplodia lichenopsis** Cooke et Mass. XVI, p. 2. — Maculis testa- 5829
 ceo-rufis, determinatis, demum pallidis v. rufo-cinctis, hinc illinc confluentibus; peritheciis semiinnatis punctiformibus, atris; sporulis ellipticis, uniseptatis, medio constrictis, utrinque subattenuatis, brunneis, 20-25 \approx 8-10; basidiis æquilongis.

Hab. in phyllodiis Acaciae complanatae, Brisbane Australia (BAILEY).

6. **Diplodia Phyllactinia** Cooke et Hark. in Grevillea XIII, p. 112. 5830
 — Epiphylla; peritheciis gregariis, superficialibus, liberis, globosis (ut in *Erysipheis*); sporulis ellipticis, uniseptatis, nec constrictis, fuscis, 12 \approx 5.

Hab. in foliis Acaciae etc. in California (HARKNESS).

7. **Diplodia maculicola** Winter in Hedwigia 1885, p. 259. — Peri- 5831
 theciis plerumque in maculis irregularibus rotundatisve, arescentibus, albidis vel pallide fuscidulis gregariis, ab epidermide pustulatim elevata, centro ab ostiolo perithecii minute perforata semper tectis, rarius sparsis et interdum erumpentibus, depresso globosis, fere lenticularibus, poro pertusis, tenuissime membranaeis, fuscidulis, 340-300 μ . latis; sporidiis oblongis vel elliptico-oblongis, sæpe parum irregularibus, medio uniseptatis, sed non

constrictis, utrinque late rotundatis, imo subtruncatis, dilutissime fuscidulis, 11-16 \approx 5.

Hab. ad folia viva Leguminosæ adhuc indeterminatæ pr. S. Francisco in Brasilia (E. ULE).

8. **Diplodia centrophila** Passer. Diagn. F. N. IV, n. 55. — Peritheciis 5832
sparsis, punctiformibus, atris, epidermide nigrificata tectis; sporulis minutis, ovatis, castaneis, 7,5 \approx 5.

Hab. in aculeis Rosæ caninæ, Vigheffio pr. Parmam Italiæ borealis.

9. **Diplodia rhodophila** Passer. Diagn. F. N. V, n. 34. — Perithe- 5833
ciis crebre sparsis vel subgregariis sæpe lineatim seriatis, tectis, epidermidem sublevantibus et tandem findentibus; sporulis ellipticis, primo flavis, dein fuscis, non vel vix ad septum constrictis, 15-17,5 \approx 7-7,5.

Hab. in ramulo sicco Rosæ cultæ, Parma Ital. bor. — Sporulis minoribus non vel vix constrictis a *D. Rosarum* videtur diversa.

10. **Diplodia spiræicola** E. et E. in Fairm. Contr. Myc. West. N. Y. 5834
p. 51, t. IV, fig. 13. — A *Dipl. Spirææ* et *D. spiræina* differt sporulis minoribus, nempe 8-10 \approx 3-4.

Hab. in ramulis emortuis Spirææ hypericifoliæ, New York Amer. bor.

11. **Diplodia spiræina** Sacc. Syll. III, p. 342. — f. **major** Brun. in 5835
Rev. Myc. 1886, pag. 141. — Sporulis 22-30 \approx 12-14, medio constrictis.

Hab. in ramulis emortuis Spirææ crenatæ, Saintes Galliæ.

12. **Diplodia Pruni** Fuck. — Syll. III, p. 339 — f. **Myrobolanæ** Brun. 5836
Suppl. Sphæroid. p. 3. — Peritheciis sparsis v. 2-3-gregariis, globosis, brunneo-nigris, cortice immersis, tectis, dein vix erumpentibus; sporulis oblongis, brunneis, 1-septatis, medio non v. vix constrictis, 22-25 \approx 10-12.

Hab. in ramis emortuis Pruni Myrobolanæ, Saintes Galliæ.

13. **Diplodia Cerasorum** Fuck. — Syll. III, pag. 341 — Var. **major** 5837
Brun. Liste Sphærops. pag. 32. — Sporulis ovoideo-oblongis, 35-38 \approx 15-17, 1-septatis, septo non vel vix constrictis, fuligineis, primo continuis granulosisque, pedicellatis.

Hab. in ramis emortuis Cerasi Avium, Saintes Galliæ.

14. **Diplodia photiniæcola** Brun. in Rev. Myc. 1886, p. 141, *Diplo-* 5838
dia Photiniæ Brun. Liste Pl. Saint. pag. 169, nec *D. Photiniæ* Speg. — Peritheciis sparsis v. gregariis, globulosis, circ. $\frac{1}{3}$ mm.

diam., atris, tectis, demum erumpentibus; sporulis oblongis primo continuis demum uniseptatis, medio non constrictis, granulosis, primo hyalino-olivaceis, dein leniter brunneolis, 28-30 \times 14-16.

Hab. in ramis emortuis Photiniæ serrulatæ, Saintes Galliæ.

15. **Diplodia Cruris-galli** Brun. Liste Sphær. pag. 32. — Peritheciis 5839
sparsis vel gregariis, primo tectis dein erumpentibus, globulosis
vel globuloso-depressis, nigris, perforatis; sporulis oblongis, 1-sep-
tatis, fuligineis, medio constrictis, 22-28 \times 10-12.

Hab. in ramis emortuis Cratægi Cruris-galli, Saintes, Ro-
chefort Gallia.

16. **Diplodia Rubi** Fr. — Syll. III, pag. 339. — Var. **Rubi Idæi** Brun. 5840
in Rev. Myc. 1886, p. 141. — Peritheciis sparsis vel gregariis,
sæpe seriatim dispositis et tum subinde confluentibus, tectis, ni-
gris, subglobosis; sporulis ellipsoideis, oblongis, brunneis, 25 \times 12,
uniseptatis, ad septum constrictis.

Hab. in sarmentis emortuis Rubi Idæi Saintes Gallia.

17. **Diplodia tarentina** Passer. Diagn. F. N. IV, n. 56. — Peritheciis 5841
minutis, per epidermidem fissam erumpentibus, atris; sporulis plus
minus elongatis, ellipticis, medio septatis, non constrictis, fuligineis,
15-17,5 \times 5-7.

Hab. in ramulis siccis Myrti tarentinæ, in horto botanico
parmensi Ital. bor.

18. **Diplodia Liriodendri** Peck 44 Rep. p. 24. — Peritheciis hemi- 5842
sphæricis, subdepressis, erumpentibus, singulis v. 2-4-congregatis,
nigris; sporulis ovoideis v. oblongis, initio simplicibus, dein 1-septa-
tis, 18-23 \times 12-13.

Hab. in ramis Liriodendri Tulipiferæ, Sandlake Ame-
ricæ borealis.

19. **Diplodia acerina** Cooke et Mass. Grev. XIX, p. 8 (cum *Leptor-* 5843
rhapside acerina Rehm Ascom. n. 197). — Peritheciis tectis, sub-
sparsis, globuloso-papillatis, atris, vix conspicuis; sporulis constri-
cto-didymis, brunneis, utrinque rotundatis, 17 \times 9.

Hab. in cortice Aceris campestris in Germania et Bri-
tannia.

20. **Diplodia atrata** (Desm.) Sacc. Syll. III, p. 331. — Var. **Pseudo-** 5844
platani Brun. Liste Sphærops. p. 30. — Sporulis 22-26 \times 11-12.

Hab. in ramis emortuis Aceris Pseudoplatani, Saintes
Galliæ.

21. **Diplodia Linderæ** Ell. et Ev. Proc. Acad. Phil. 1891, p. 79. — 5845
Peritheciis sparsis, epidermide tectis v. partim erumpentibus, par-

vis; sporulis oblongo-ellipsoideis, brunneis, 1-septatis et constrictis, 10-12 \approx 3-4.

Hab. in ramis emortuis *Linderæ Benzoin*, Newfield et London Amer. bor. — A *D. Harknessii* vix distinguenda.

22. **Diplodia laurina** Sacc. Syll. III, pag. 348. — Var. **minor** Pass. in 5846
Journ. hist. Nat. Bord. p. 136, Brunaud Liste Sphærosp. p. 35. —
Sporulis 18-20 \approx 10-12, septo non vel vix constrictis.

Hab. in ramis emortuis decorticatisque *Lauri nobilis*, Saintes Galliæ.

23. **Diplodia multicarpa** Peck 44 Rep. p. 24. — Peritheciis numero- 5847
sissimis, subinde ramum totum ambientibus, minutis, erumpentibus,
leniter prominulis, epidermide longitrosam v. stellatim rupta par-
tim tectis, nigris; sporulis oblongo-ellipsoideis, 18-23 \approx 10-11.

Hab. in ramis *Lauri Sassafras*, Carrollton Amer. bor.

24. **Diplodia Philadelphi** Celotti Mic. Montp. p. 23. — Peritheciis spar- 5848
sis, primum epidermide tectis, demum erumpentibus, globoso-de-
pressis, obtuse papillatis, $\frac{1}{2}$ mm. diam., atris; sporulis ovoideis, 1-
septatis, constrictis, atro-fuligineis, 24-26 \approx 8-10.

Hab. in ramis *Philadelphi Gordoniani*, Montpellier Galliæ.

25. **Diplodia cistina** Cooke in Grevillea XIV, pag. 4. — Gregaria, 5849
immersa, cortice tecta; peritheciis late conicis, atris, sæpe in li-
neas vel in pustulas parvas dispositis; sporulis ellipticis, unisepta-
tis, non constrictis, brunneis, 16-22 \approx 9-10.

Hab. in caulibus et ramulis *Cisti laurifolii*, Kew Brit.

26. **Diplodia Dearnessii** Ell. et Ev. Proc. Acad. Phil. 1891, pag. 79. 5850
— Peritheciis sparsis, erumpenti-superficialibus, 0,5 mm. diam.,
subglobosis; sporulis anguste ellipsoideis, brunneis, 1-septatis, 8-
10 \approx 3,5-4.

Hab. in ramis decorticatis *Ribis*, London Canada Amer. bor.
— Differt a *D. Ribis* sporulis multo minoribus.

27. **Diplodia Ribis** Sacc. Syll. III, p. 344. — Var. **Ribis-malvacei** Bru- 5851
naud Liste Sphærosp. p. 33. — Sporulis 28-30 \approx 12-12,5.

Hab. in ramis emortuis *Ribis malvacei*, Saintes Galliæ. —
Var. **Ribis-aurei** Br. loc. cit. Sporulis 28 \approx 12. In ramis emortuis
Ribis aurei, Saintes Galliæ. — Var. **Ribis-sanguinei** Brun. loc. cit.
Sporulis 22-25 \approx 12-15. In ramis emortuis *Ribis sanguinei*,
Saintes Galliæ.

28. **Diplodia papillosa** Ell. et Ev. Proc. Acad. Phil. 1891, p. 79. — 5852
Peritheciis sparsis, $\frac{1}{4}$ - $\frac{1}{3}$ mm. diam., cortice in papillas minutas

elevato, tectis; sporulis oblongo-ellipsoideis, flavo-viridulis, 1-septatis, leniter constrictis, 12-15 \approx 6-7.

Hab. in cortice emortuo Corni, London Canada Amer. bor. — Socia adest *Didymella Corni*, cujus forte status stylosporicus.

29. **Diplodia Sclerotiorum** Viala et Sauv. in Journ. de Bot. 1891, p. 365, 5853
t. V, f. 12. — Peritheciis epiphyllis, exacte sphæricis, 100 μ . diam., apice collo lato prominulo præditis; contextu crasso, irregulariter parenchymatico; sporulis ovoideis, demum pallidissime brunneo-fuligineis, eguttatis, parce granuloso-farctis, 1-septatis, 12 \approx 5,5.

Hab. in foliis Vitis Labruscæ, Colomb., New-Jersey, Delaw., Maryland, N. Y. Amer. bor.

30. **Diplodia nematospora** Sacc. F. Abyss. n. 39, fig. 12. — Peritheciis 5854
gregariis, erumpentibus, globoso-papillatis, 0,3 mm. diam.; sporulis ellipsoideo-oblongis, 1-septatis, vix constrictis, 28-30 \times 10-12, breve pedicellatis, pseudoparaphysibus filiformibus, hyalinis 75 \approx 2 initio obvallatis.

Hab. ad ramos emortuos Vitis Hochstetterianæ inter alas subereas, in Erythræa.

31. **Diplodia Ampelopsidis** Brun. Esp. Sphærops. p. 2. — Peritheciis 5855
sparsis v. 2-3-gregariis, cortice nidulantibus, dein erumpentibus, nigris, pertusis; sporulis oblongis, fuligineis, 1-septatis, non vel vix constrictis, 20-28 \approx 10-12.

Hab. in cortice ramulorum emortuorum Ampelopsidis quinquefoliæ, Saintes Galliæ.

32. **Diplodia Æsculi** Lév. — Syll. III, p. 331 — var. **Capsularum** Brun. 5856
Esp. Sphærops. p. 2. — Peritheciis globosis, nigris, epidermide non lacerata tectis, poro pertusis; sporulis oblongis, 1-septatis vix constrictis, fuligineis, 15-18 \approx 8.

Hab. ad basin capsularum Æsculi Hippocastani, Saintes Galliæ.

33. **Diplodia carpogena** Passer. Diagn. F. N. V, n. 33. — Peritheciis 5857
sparsis, erumpentibus, globosis, atris; sporulis elongato-ellipticis, diu hyalinis, integris, tandem prope medium septatis, rarissime bi-septatis non constrictis, 25-30 \approx 10, castaneo-fuscis.

Hab. in pericarpio fracido Æsculi Hippocastani in horto botanico, Parma Ital. bor.

34. **Diplodia sambucicola** F. Fautrey Rev. Myc. 1891 Oct. — Peri- 5858
theciis parvis punctiformibus, nitentibus, sparsis vel laxè gregariis; sporulis fusoides, numerosis, in massa saturate olivaceis, singulis tamen pallide olivaceis, 1-septatis, 10-15 \approx 2-2,5.

Hab. in ramulis corticatis Sambuci nigræ, Noidan Côte-d'Or Galliæ (F. FAUTREY).

35. **Diplodia Opuli** Passer. Diagn. F. N. IV, n. 57. — Peritheciis subseriatim digestis, epidermidem perforantibus, globosis, atris, ostiolo brevi, conico, contextu celluloso, fusco-cærulescente, circumscisse deciduis; sporulis ellipticis, diu integris, hyalinis, tandem septatis, sordide lutescentibus, non constrictis, $20 \approx 10-12$. 5859

Hab. in ramis emortuis Viburni Opuli in horto botanico parmensi Ital. bor.

36. **Diplodia viburnicola** Brun. Fung. Gall. nov. in Jour. d'Hist. nat. 1885, n. 4, pag. 55. — Peritheciis sparsis vel gregariis, minutis, globosis, nigris, tectis, demum erumpentibus, epidermide rimose rupta cinctis; sporulis oblongis, utrinque rotundatis, 1-septatis, medio constrictis, $23 \approx 12-13$, fuliginosis. 5860

Hab. in ramis siccis Viburni Tini prope Saintes in Gallia. — A *D. Tini* forma ramulicola differt sporulis medio constrictis.

37. **Diplodia pterophila** Fautrey in Rev. myc. 1890, p. 124. — Peritheciis sparsis, minutissimis, punctiformibus, globosis, pallidis, dein nigris; sporulis oblongis, in massa pallide flavis, singulis hyalinis, 1-septatis, $10-16 \approx 2$, sæpe $12 \approx 2$. 5861

Hab. in samaris Fraxini excelsioris, sociis *Phoma samararum* et *Phoma pterophila*, Noidan Côte-d'Or Galliæ (F. FAUTREY). — «An potius *Ascochyta*?»

38. **Diplodia Pittospororum** Sacc. *D. Pittospori* Celotti Mic. Montp. p. 24, nec C. et H. — Differt a *Dipl. Pittospori* sporulis multo minoribus scilicet $8-10 \approx 4-5$. 5862

Hab. in ramis *Pittospori sinensis*, Montpellier Galliæ.

39. **Diplodia Celottiana** Sacc., *D. Jasmini* Celotti Mic. Montpell. p. 23, nec West. — A specie Westendorpii abunde differt sporulis multo minoribus, nempe $9-12 \approx 3-4$ (nec $30 \approx 15$). 5863

Hab. in ramulis tenuioribus *Jasmini triumphantis*, Montpellier Galliæ. — «Probabiliter species hæc et præcedens ad *D. microsporellam* accedunt»,

40. **Diplodia Rosmarini** Celotti Mic. Montp. pag. 25 (1887), *Diplodia Rosmarini* Passer. Diagn. F. N. IV, n. 59 (1888). — Peritheciis subcutaneis, non erumpentibus 150μ . diam., tandem cortice soluto nudatis, atris, ligno adnatis, subglobosis, ostiolo papillari; sporulis ellipticis, medio septatis et constrictis, loculis aliquantum inæqualibus, guttulatis, $15-20 \approx 8-11$, castaneo-fuscis. 5864

Hab. in ramis siccis *Rosmarini officinalis*, Talignano in

agro parmensi Ital. bor. et Montpellier Galliæ. — Species Passeriniana eadem est ac Celottiana.

41. **Diplodia Veronicæ** Fautr. Rev. Myc. 1891, p. 131. — Peritheciis 5865
majusculis, carbonaceis, applanatis, inter corticis rimas prominentibus; sporulis oblongis, rotundatis, 1-septatis, fuligineis, $26 \approx 10$.

Hab. in Veronica lignosa exotica, Noidan Côte-d'Or Galliæ.

42. **Diplodia Agni-casti** Pass. in Erb. Critt. Ital. Ser. II, n. 1479. — 5866
Peritheciis cortice immersis, miliariformibus, crebre lateque sparsis, tectis, dein epidermide fissa apice denudatis, atris; sporulis ellipticis, medio leniter constrictis, castaneo-fuscis, magnitudine varia, ut plurimum $15 \approx 7$.

Hab. ad ramulos Viticis Agni-casti gelu tactos pr. Parma Ital. bor.

43. **Diplodia Paulowniæ** Cooke in Grevillea XIII, p. 96. — Subspar- 5867
sa; peritheciis subglobosis, atris, longitudinaliter erumpentibus, non superficialibus; sporulis ellipticis, vix constrictis, uniseptatis, brunneolis, $20-22 \approx 8$.

Hab. in ramulis Paulowniæ imperialis, Kew Britannia.

44. **Diplodia Gales** Bomm. Rouss. Sacc. Contr. Mycol. Belg. IV, p. 83. 5868
— Peritheciis subepidermicis, globoso-conicis, prominulis, poro per-
tusus; sporulis ellipsoideis, fuligineis, obtusis, valde constrictis, $21-25 \approx 7-12$, interdum 2-guttatis; basidiis brevibus, fascicularibus, clavatis.

Hab. in ramis tenellis emortuis Myricæ Gales, Westmalle Belgii.

45. **Diplodia Visci** (DC.) Fr. Summa Veg. Scand. p. 417, Fuck. Symb. 5869
p. 168, Sphæria DC. Fl. Fr. VI, p. 146. — Peritheciis gregariis, tectis, viridi-atris, globosis, vertice obtuse conicis; sporulis ovatis, didymis, raro simplicibus, fuscis, minutis sed magnitudine variis (Fuck.).

Hab. in ramulis corticatis et foliis Visci albi in Germania, Gallia. — Status stylosporus *Gibberideæ Visci* sec. Fuck. — « Specimina sub nomine *Sphæriæ atrovirentis* in Exsicc. Schm. et Kunze n. 76 et Moug. et Nest. Stirp. n. 486, a Friesio huc citata, ad *Sphærospidem Visci* (Sollm.) Sacc. referenda sunt! »

46. **Diplodia samararum** Brun. Esp. Sphærops. p. 2. — Peritheciis 5870
sparsis, punctiformibus, minutissimis, globosis, nigris; sporulis oblongis, pallide brunneis, $9-10,5 \approx 4-5$, medio constrictis et septatis.

Hab. in samaris dejectis Ailanthi glandulosæ, Saintes Galliæ.

47. **Diplodia Pistaciæ** Berl. et Bres. Micr. Trid. p. 69, t. VI, f. 3. — 5871

Peritheciis sparsis, epidermide primo tectis, demum subprominulis, atris, late conoideis, rugosulis, ostiolo obtusissimo, 350-400 μ . diam.; sporulis ovoideo-ellipsoideis, primo hyalinis dein olivaceo-lutescentibus, diu continuis, demum 1-septatis v. vix constrictis, saturate olivaceo-fuligineis, 18-20 \approx 9-12, basidiis brevioribus, crassiusculis suffultis.

Hab. in ramis exsiccatis Pistaciæ Terebinthi pr. Trento Tiroliaë. — *D. Staphyleæ* affinis.

48. **Diplodia Rhois** Sacc. Syll. III, p. 334. — Post verba «globosis, papillatis» adde: sporulis oblongis, constricto 1-septatis, 20-22 \approx 8-10, fuligineis.

49. **Diplodia Panacis** (Fr.) Cooke Grev., *Sphæria* Fr., Syll. II, n. 4321. Sec. exempl. Scler. Suec. n. 319, sporulæ sunt 1-septatæ, 22-25 \approx 8. — *Sphæria acinosa* Fr., Syll. II, n. 4236, sec. exemplaria Moug. et Nestl. Stirp. Vog. esset *Diplodia* species.

50. **Diplodia Marumiæ** Sacc. et Paol. Myc. Malac. pag. 27, tab. III, 5872 f. 6. — Maculis arescendo dealbatis, inæqualibus; peritheciis epiphyllis, punctiformibus, $\frac{1}{5}$ mm. diam., globoso-depressis, pertusis, hyphulis mycelicis fuscis circumdatis; sporulis oblongo-obovatis, utrinque rotundatis, 25 \approx 12, diu hyalinis, continuis, granulosis, tandem uniseptatis, fuscis.

Hab. in foliis languidis Marumiæ in pæninsula malacensi Asiaë austr. (SCORTECHINI).

51. **Diplodia canthiifolia** Cooke et Mass. in Grev. XX, p. 36. — Epi- 5873 phylla; peritheciis sparsis, immersis, membranaceis, atro-brunneis, epidermidem perforantibus; sporulis ellipsoideis, diu continuis, demum elongatis et uniseptatis, subconstrictis, brunneis, primitus 8 \approx 5, dein 12 \approx 5.

Hab. in foliis Canthii latifolii, Tempe Downs Australiaë (MUELLER).

52. **Diplodia microsporella** Sacc. Syll. III, pag. 357 — var. **Cordiæ** 5874 Passer. Diagn. F. N. V, n. 35. — Peritheciis crebre sparsis vel subgregariis, tectis, minutis suberumpentibus; sporulis ellipticis septatis, non constrictis, primo hyalinis, dein fumidis, basidiis brevissimis fultis, 10 \approx 5.

Hab. in ramulis emortuis Cordiæ Myxæ, Panisperma Roma.

53. **Diplodia Cactorum** Speg. F. Guar. II, n. 172. — Peritheciis cor- 5875 tice immersis, epidermide tectis, e globoso lenticularibus, 150-200 μ . diam., non vel vix prominulis, atris, glabris, subcarbonaceis, contextu grosse parenchymatico-celluloso, fere opaco ac subindi-

stincto, ostiolo non vel vix papillulato ornatis; sporulis ellipticis vel ovoideis, primo continuis, hyalinis, dein didymis, ad septum non vel vix constrictis, utrinque obtusis, 30-35 \approx 14-16, granuloso-farctis, subopace e roseo fuligineis, sterigmatibus brevissimis, hyalinis suffultis, paraphysibus filiformibus longioribus obvallatis.

Hab. ad corticem putrescentem Cerei cujusdam arborei in silvis pr. Paraguari Brasilæ.

54. **Diplodia Sterculiæ** Winter in Hedwigia 1886, pag. 103. — Peri- 5876
theciis gregariis, semper omnino immersis, fere lenticularibus vel depresso globosis, pariete crasso, atro, coriaceo-membranaceo, ostiolo cylindrico, obtuso, crasso, peridermium perforante donatis, prominulis, 310-420 μ . diam., 210-240 μ . altis, hyphis fuscis, repentibus obsitis; sporulis ellipticis, medio septatis sed non constrictis, fuscis, 24-30 \approx 12-14, copiose expulsis et substratum longe lateque inquinantibus.

Hab. in fructu putri Sterculiæ in insula St. Thomé Africæ occidentalis.

55. **Diplodia Kœlreuteriæ** Sacc. Syll. III, p. 331. — Var. **minor** Bru- 5877
naud Liste Sphærops. pag. 30. — Sporulis 20-25 \approx 10, ad septum constrictis.

Hab. in ramis emortuis Kœlreuteriæ paniculatæ, Saintes Galliæ.

56. **Diplodia antiqua** Passer. Diagn. F. N. IV, n. 110. — Peritheciis 5878
tectis, parenchymati corticali immersis, subglobosis, ostiolo obtuso, epidermidem lacerantibus et dein erumpentibus, atris, opacis; contextu celluloso, fusco-cœrulescente, nucleo albo; sporulis cirrose ejectis, ellipticis, primo hyalinis, integris, tandem medio septatis, non constrictis, fuligineis, 22-25 \approx 10-12.

Hab. in caule fracido Euphorbiæ antiquorum, Parma in horto botanico Ital. bor.

57. **Diplodia inconspicua** Cooke in Grevillea XIII, p. 96. — Hypo- 5879
phylla; peritheciis minutis, immersis, inconspicuis, gregariis, cuticula non decolorata tectis; sporulis ellipticis, non constrictis, uni-septatis, pallide brunneis, 12 \approx 6,

Hab. in pagina superiore et inferiore foliorum emortuorum Buxi sempervirentis, Kew Britannicæ. — A *D. Buxi* certe distincta.

58. **Diplodia asclepiadea** C. et Ell. — Syll. III, p. 365 — ***D. Periplocæ** 5880
Berl. et Bres. Micr. Trid. pag. 70. — Peritheciis gregariis, globoso-conoideis, epidermide tectis, ostiolo conoideo protuberantibus;

sporulis ellipsoideis, ad medium 1-septatis, vix constrictis, 18-22 \approx 8-10, olivaceis, basidiis brevibus suffultis.

Hab. in sarmentis emortuis Periplocæ græcæ prope Trento Tiroliaë cisalpinæ.

59. **Diplodia vincæcola** Brun. in Rev. Myc. 1886, pag. 141. — Peri- 5881
theciis sparsis vel gregariis, globulosis, tectis, ostiolo papilliformi erumpente, atris; sporulis ovato-oblongis, brunneis, 1-septato-constrictis, 22-35 \approx 12-15.

Hab. in caulibus emortuis Vincæ majoris, Saintes Font-couverte Galliaë. — An *D. Vincæ* Rich. Cat. Camp. Marn. n. 1682 huc pertineat, deficiente diagnosi, omnino latet.

60. **Diplodia Ochromæ** Pat. Bull. Soc. Myc. 1888, p. 122. — Perithe- 5882
ciis minutis, nigris, hinc inde late gregariis, primo ligno immer-sis, dein semisuperficialibus, globulosis, ostiolatis; sporulis numerosis, ovoideis, brunneis utrinque obtusis 1-septatis, non constrictis, 27-29 \approx 15.

Hab. in trunco decorticato Ochromæ Lagopi, San Fernando Venezuelæ. — Ligni contextus a mycelio brunneo, septato nigricatus. — «Potius *Diplodiella*».

61. **Diplodia Osyridis** (Cast.) Har. et Br. Journ. de Bot. 1891, p. 171, 5883
Sphæria Cast. Cat. Mars. p. 167 p. p. — Peritheciis sparsis, plus minus contiguis, subepidermicis, globuloso-punctiformibus, atris, $\frac{1}{4}$ - $\frac{1}{3}$ mm. diam.; sporulis obtusissimis, brunneo-opacis, rarius septatis, 20-24 \approx 11-12.

Hab. ad ramos Osyridis albæ, Aquæ Sextiæ pr. Massiliam Galliaë (CASTAGNE).

62. **Diplodia amphisphærioides** Passer. Diagn. F. N. V, n. 37. — Peri- 5884
theciis sparsis vel interdum uno alterove contiguis, primo tectis, dein erumpentibus nudatis, orbicularibus, depressis, ostiolo papillari, atris opacis, contextu carbonaceo; sporulis ellipticis, septatis non constrictis, castaneis 17,5-20 \approx 7,5; basidiis non visis.

Hab. in cortice truncorum Quercus, Velleja prov. Piacenza Ital. super. — Perithecia *Amphisphæriam* simulant, cujus forte pycnidium sistunt.

63. **Diplodia australis** Passer. Diagn. F. N. V, n. 36. — Peritheciis 5885
crebre sparsis epidermide velatis, dein nudatis, atris, hæmisphæricis, astomis, contextu celluloso fuligineo; sporulis ellipticis, crassitie varia, castaneo-fuscis, episporio crasso, ad septum submedium vehementer constrictis, loculo altero sæpius crassiore, 17-25 \approx 8-15.

- Hab.* in ramulis emortuis *Celtidis australis*, Vigheffio prov. Parma.
64. **Diplodia oblonga** Har. et Br. Rev. Myc. 1891, p. 16. — Peritheciis 5886
 ciis innatis, nigris, oblongis, lanceolatis, secus fibras ligni dispositis, 0,5-1 mm. long., $\frac{1}{6}$ - $\frac{1}{5}$ mm. lat.; sporulis oblongis, utrinque rotundatis, 1-septatis, loculis 1-guttatis, non v. vix constrictis, castaneo-brunneis, 24-28 \approx 9-10.
Hab. in *Salice decorticato*, London, Vienne Gallia. — «An *Diplodiellæ* species?»
65. **Diplodia salicina** Lév. in Ann. Sc. Nat. (Bot.) 1846, p. 292. — 5887
 Peritheciis gregariis, innatis, globosis, nigris, erumpentibus, epidermide tectis, ostioli papillatis, demum deciduis; sporulis elliptico-oblongis, 21-24 \approx 8-11, leniter constrictis, fuligineis, hyalino-stipitatis.
Hab. in ramis *Salicis albæ* in Gallia, Germania, Italia, Nederlandia.
66. **Diplodia cærulescens** Passer. Diagn. F. N. IV, n. 112. — Peri- 5888
 theciis lenticularibus, epidermidem pustulatim sublevantibus et pustulam apice perforantibus; contextu fusco-cærulescente; sporulis ellipticis, primo hyalinis, dein plus minus cæruleis vel (semper?) hyalinis, integris, tandem medio septatis, subconstrictis, griseo-fuscis, 22,5 \approx 10.
Hab. in ramulis siccis *Salicis viminalis*, Vigheffio pr. Parma Ital. bor.
67. **Diplodia ditior** Sacc. et Roum. Syll. III, p. 352. — Var. **petio-** 5889
lorum Brun. Liste Sphærops. pag. 36. — Sporulis 30 \approx 14, medio valde constrictis.
Hab. in petiolis *Platani orientalis*, Saintes Gallia.
68. **Diplodia gongrogena** Temme Verh. Pr. Brand., 1874 p. 42, 1887, 5890
 p. XXVII. — Peritheciis globosis, nigris, 350-540 μ . diam.; ostiolo punctiformi; sporulis elongato-ellipsoideis vel fusoides, 30-45 \approx 9-12, membrana hyalina pluristratosa; basidiis aliis fertilibus, filiformibus, raro septatis, 2,5-4,5 μ . cr., aliis sterilibus, tenuissimis.
Hab. in ramis *Populi tremulæ*, in qua tumores (*Holzkröpfen*) generat, in Germania merid.
69. **Diplodia Juglandis** Fr., Syll. III, p. 352 — var. **fructicola** Brun. 5891
 Miscell. mycol. p. 17. — Peritheciis sparsis v. gregariis, tectis, dein erumpentibus, globosis, nigris, submicantibus, intus griseolis, pertusis; sporulis ovoideo-oblongis, primo hyalinis, granuloso-farctis, dein fuligineis, 1-septatis, vix constrictis, 28-30 \approx 14-16.

Hab. in fructibus exsiccatis et præmature dejectis Juglandis regiæ, Saintes Galliæ.

70. **Diplodia corylina** Brun. Esp. Sphærops. p. 2. — Peritheciis sparsis v. gregariis, nigris, nitentibus, tectis, dein erumpentibus, pertusis; sporulis ovoideis, primo continuis, dein 1-septatis, non v. vix constrictis, 15-18 \approx 8-9, subpallide fuligineis. 5892

Hab. in pericarpio duro Coryli Avellanæ, Saintes Galliæ.

71. **Diplodia sapinea** (Fr.) Fuck. — Syll. III, p. 356. — Var. **Pinsapo** 5893
Brun. Esp. Sphærops. p. 2. — Sporulis ellipsoideo-oblongis, utrinque rotundatis, 1-septatis, ad septum constrictis, interdum 2-guttatis, fuligineis, 15-18 \approx 6-8.

Hab. in ramulis emortuis Abietis Pinsapo, Saintes Galliæ.

72. **Diplodia Foucaudii** Brun. Esp. Sphærops. p. 2. — Peritheciis numerosis, sparsis v. approximatis, epidermide nigrificata tectis, poro pertusis, globosis, nigris, intus nigrescentibus; sporulis oblongis, utrinque obtusis, primo continuis, subflaveolis, granuloso-farctis, dein 1-septatis, ad septum constrictis, fuligineis, 25-30 \approx 11-15. 5894

Hab. in ramis emortuis Taxi macrophyllæ in horto botanico Rochefort Galliæ.

73. **Diplodia galbulorum** Brun. Esp. Sphærops. p. 2. — Peritheciis sparsis v. gregariis, minutis, scutatis, dimidiatis, nigris; sporulis oblongis, brunneolis, 14-15 \approx 4-6, ad septum non v. vix constrictis. 5895

Hab. in galbulis exsiccatis Juniperi communis, Saint-Césaire pr. Saintes Galliæ.

74. **Diplodia Deodaræ** Brun. Champ. Saint. V p. 5. — Peritheciis innatis, per epidermidem rimoso-laceratam erumpentibus, sparsis, gregariis v. seriatis, globoso-conicis, ostiolo papillato, nigris; sporulis oblongis, 20-25 \approx 12, non v. rarissime ad septum constrictis, fuligineis. 5896

Hab. in foliis Cedri Deodaræ, Saintes Galliæ.

75. **Diplodia guaranitica** Speg. Guar. I p. 148. — Peritheciis lenticulari-globosis, 150-200 μ . diam., matrice denudata, plana, ad medium usque insculpta dense confertis sed non confluentibus, carbonaceis, atris, levibus v. vix, rugosulis, glabris, contextu indistincto, atro, opaco, ostiolo minutissimo vix papillulato pertusis; sporulis ellipsoideo-ovoides v. subpiriformibus, rectis v. vix inæquilateralibus, medio 1-septatis, parce constrictis, loculo supero nonnihil majore obtusioreque, infero subconico ac minore; basidiis subconicis, 10 \approx 5, paraphysibus sporulis 2-3-plo longioribus, paucis, septulatis v. torulosis, diffluentibus. 5897

Hab. ad corticem putrescentem arboris cujusdam pr. Carapeguã
Brasilæ.

76. **Diplodia? nutans** Speg. F. Guar. II n. 173. — Stromate cortice 5898
innato, repente, maculas irregulares, elongatas, ramoso-anastomo-
santes, atras efformante, tenui, epidermide tecto; peritheciis stro-
mate immersis, non v. vix prominulis ac epidermidem perforanti-
bus, hinc inde gregariis, lenticulari-globulosis 150-220 μ . diam.,
subcarbonaceis; contextu indistincto; sporulis elliptico-ovatis v. sub-
globosis 22-30 \simeq 14-16, diu continuis, hyalinis, dein medio 1-septa-
tis, non constrictis, roseo-fuligineis, sterigmatibus longiusculis cras-
siusculisque, 30-35 \simeq 5-9, suffultis, paraphysibus filiformibus præ-
longis obvallatis.

Hab. ad ramulos dejectos, putrescentes in silvis Guarapí Brasilæ.

77. **Diplodia kerensis** Pass. in Martelli flor. bog. p. 148. — Peritheciis 5899
gregariis, globoso-oblongis, tectis, dein epidermide fissa vix erum-
pentibus; sporulis oblongo-ellipsoideis, septatis, non constrictis,
castaneo-fuscis, 15-20 \simeq 7,5-10.

Hab. in rimis corticis, Keren Abyssiniæ (BECCARI).

II. In Dicotyledoneis herbaceis.

78. **Diplodia Cucurbitaceæ** Ell. et Langl. Journ. Myc. 1890, p. 37. — 5900
Peritheciis innato-erumpentibus, apice prominulis, epidermide ni-
grificata tectis; sporulis ellipsoideis, brunneis, 1-septatis, 20-25 \simeq
10-12.

Hab. in ramis emortuis Cucurbitæ, Louisiana Amer. bor.

79. **Diplodia Crassulæ** Cooke et Hark. in Grevillea XIII, p. 112. — 5901
Caulicola; peritheciis gregariis, subcutaneis, globosis, atris, demum
epidermide fissa erumpentibus; sporulis ellipsoideis, uniseptatis,
medio vix constrictis, fuscis, 20-22 \simeq 8.

Hab. in caulibus Crassulæ in California (HARKNESS).

80. **Diplodia Aparines** Passer. Diagn. F. N. IV, n. 58 (1888). — Pe- 5902
ritheciis sparsis, erumpentibus, globoso-conicis, atris; sporulis elli-
pticis, diu integris, hyalinis, tandem septatis, non constrictis, fuli-
gineis, non v. vix pedicellatis, 20-25 \simeq 10-12.

Hab. in caulibus emortuis Galii Aparines, Parma Ital. bor.
Peritheciis sparsis et sporulis non constrictis a *D. herbarum*
diversa.

81. **Diplodia Briardi** Sacc. *Diplodia Aparines* Briard Rev. Myc. 1889, 5903
p. 16 nec Pass. — Peritheciis innatis, globosis, subapplanatis, epi-
dermide translucide nigrificata tectis, $\frac{1}{3}$ - $\frac{1}{2}$ mm. diam.; ostiolo co-

nico, epidermidem interdum perforante; sporulis ovoideo-oblongis, obtusis, 1-septatis, ad septum constrictis, brunneis, 24-28 \approx 12.

Hab. in caulibus siccis Galii Aparines, Noidan Côte-d'Or Galliæ (BRIARD). « An satis diversa a præcedente? »

82. **Diplodia Medicaginis** Brun. Liste Sphærops. pag. 37. — Peritheciis 5904
sparsis vel gregariis, subglobosis, nigris, primo tectis dein erumpentibus; sporulis ovoideo-elongatis, utrinque sæpe subacutis, 1-septatis, medio non constrictis, loculis uniguttatis, brunneis, 25 \approx 10.

Hab. in caulibus emortuis Medicaginis sativæ, Saintes Galliæ.

83. **Diplodia Rehmii** Bäuml. in Hedw. 1885, p. 75 — Peritheciis 5905
immersis, sparsis vel subaggregatis, globosis, ostiolo papilliformi, peridermium perforante donatis, atris, membranaceis, 200-300 μ . diam.; sporulis subclavatis, medio uniseptatis, non vel vix constrictis, maturitate opace nigris, levibus, loculo inferiore parum angustiore, utrinque rotundatis, 16-20 \approx 8-10.

Hab. in caulibus emortuis Pelargonii, Pressburg Hungariæ.

84. **Diplodia Hellebori** Brun. Champ. Nouv. VI, p. 2. — Peritheciis 5906
sparsis v. gregariis, interdum secus ligni fibras seriatim dispositis, sæpe confluentibus, globosis v. globoso-oblongis, compressis, nigris, erumpentibus; sporulis oblongis, 1-septatis, ad septum non v. vix constrictis, fuliginosis, 20-22 \approx 12.

Hab. in caulibus emortuis et decorticatis Hellebori foetidi, Saintes Galliæ.

85. **Diplodia Seminulum** Pat. in Rev. Myc. 1886. p. 83. — Peritheciis 5907
minutissimis, nigris, lucentibus, globulosis, 40-60 μ . diam.; sporulis ovoideis, uniseptatis, 6-7 \approx 3-4, brunneis.

Hab. in foliis emortuis Primulæ bracteatae, Lankong Yunnan Sinarum (AB. DAVID).

86. **Diplodia Tanacetii** Karst. et Har. Journ. Bot. 1890, p. 359. — 5908
Peritheciis sparsis v. seriatis, erumpentibus, oblongatis v. elongatis rarius globulosis, poro pertusis, atratis, perparvis; sporulis elongatis, utrinque vix v. leniter attenuatis, rectis v. curvulis, luteolis, 9-13 \approx 1,5-2,5.

Hab. in caulibus aridis Tanacetii, Méry-sur-Seine Galliæ. — A *D. caulicola* certe diversa.

87. **Diplodia pusilla** Sacc. et Briard in Rev. Myc. 1886. — Peritheciis 5909
sparsis, globosis, sæpe depressis, diu epidermide tectis, dein liberis $\frac{1}{5}$ - $\frac{1}{4}$ mm. diam.; ostiolo papillato, centrali; sporulis ovalibus

vel ovato-oblongis, obtusissimis, 1-septatis, ad septa constrictis, leciter fuligineis, 11-13 = 5,5-6.

Hab. in caulibus siccis Cichorii Intybi prope Troyes Galliaë.

88. **Diplodia Helichrysi** Passer. Diagn. F. N. IV, n. 111. — Peritheciis sparsis, tectis, pusillis, tandem nudatis; sporulis ovatis, castaneo-fuscis, pr. medium septatis et constrictis, loculo altero minore, 12-15 = 7-8. 5910

Hab. in ramis siccis Helichrysi angustifolii in monte Prinzerà in agro parmensi Ital. bor.

89. **Diplodia Scorzonerae** Pass. in Brun. Champ. nouv. VI, p. 2. — Maculis subdiscoideis, amphigenis, brunneis, vage confluentibus, epidermidem rumpentibus; peritheciis punctiformibus, gregariis, vix prominulis; sporulis ellipsoideis, brunneo-castaneis, 1-septatis, non constrictis, loculis ample 1-guttatis, 15-20 = 7-8. 5911

Hab. in foliis languidis Scorzonerae humilis, Pessines pr. Saintes Galliaë.

90. **Diplodia herbarum** Lév. — Syll. III, p. 370. — Var. **Marrubii** Brun. Champ. Saint. p. 339. — Peritheciis sparsis, globosis; sporulis oblongis v. ovoideo-oblongis, 1-septatis, medio constrictis, fuligineis, 22-28 = 12-15. 5912

Hab. in caulibus emortuis Marrubii vulgaris, Saintes Galliaë.

91. **Diplodia Henriquesii** Thüm. M. Univ. n. 2087. — Peritheciis sparsis, sæpe lineari-dispositis, sed semper fere solitariis et haud raro confluentibus, interdum aggregatis, globosis, fere liberis, parvulis, elevatis, nitide atris; sporulis cylindræis, semper fere rectis, utriusque rotundatis, medio septatis, non constrictis, obscure fuscis v. fumoso-spadiceis, opacis, 20 = 7-8. 5913

Hab. in caulibus aridis Smyrniae Olusatris, Coimbra Lusitaniae (MOLLER).

92. **Diplodia Epilobii** Brun. in Rev. Myc. 1886, p. 141. — Peritheciis globulosis, subcompressis, sparsis vel gregariis, sæpe confluentibus, innatis, demum erumpentibus, atris; sporulis oblongis, 1-septatis, medio non constrictis, fuligineis, 22-25 = 12-15. 5914

Hab. in caulibus emortuis Epilobii angustifolii, Saintes Galliaë.

93. **Diplodia Fuchsiae** Cooke et Hark. in Grevillea XIII, p. 112. — Caulicola; peritheciis subcutaneis, gregariis, globosis, atris, epidermide tectis, numquam erumpentibus; sporulis ellipticis, uniseptatis, nec constrictis, fuscis, 28 = 10. 5915

Hab. in caulibus Fuchsiae in California (HARKNESS).

94. **Diplodia beticola** Prill. et Delacr. Bull. Soc. Myc. 1891, p. 25, 5916
t. III, f. V. — Peritheciis semiimmersis, rotundis, fuscis, 165 μ .
diam., poro 20 μ . circ. lat.; sporulis hyalinis, 1-septatis, medio con-
strictis, utrinque obtuse attenuatis, 14 \approx 4.

Hab. in petiolis *Betæ vulgaris* cultæ, a *Phyllostictâ tabificâ*
enecatæ, Mondoubleau, Loir-et-Cher Galliæ.

III. In Monocotyledoneis.

95. **Diplodia discriminanda** Passer. Diagn. F. N. IV, n. 61. — Peri- 5917
theciis paucis, gregariis v. solitariis, minutis, subglobosis, erum-
pentibus, atris; sporulis ellipticis, primo flavis, tandem castaneo-
fuscis, semper ad medium septatis non v. plus minus constrictis,
15-22 \approx 8-10.

Hab. in caulibus siccis *Geitonoplesii angustifolii*, in
horto botanico Roma Italiæ.

96. **Diplodia Coryphæ** Cooke in Grevillea XIII, p. 96. — Immersa, 5918
erumpens, cuticula rimose longitudinaliterque rupta; peritheciis mi-
nimis, atris, tectis; sporulis subglobosis vel ovalibus, non constri-
ctis, uniseptatis, episporio tenui, pallide fuligineo, 14-17 \approx 10.

Hab. in petiolis *Palmarum*, Kew Britannia.

97. **Diplodia Asparagi** Brun. Champ. Saint. V, p. 5. — Peritheciis 5919
sparsis v. gregariis, tectis, dein erumpentibus, globosis, nigris, ni-
tentibus, pertusis; sporulis ovoideis, fuligineis, diu continuis, dein
1-septatis, ad septum non constrictis, 13-20 \approx 12.

Hab. in caulibus exsiccatis *Asparagi officinalis*, Saintes
Galliæ.

98. **Diplodia Narthecii** Sacc. Bomm. et Rouss. in Bull. Soc. R. Bot. 5920
Belg. 1886, p. 180. — Peritheciis sparsis, epidermide velatis, sub-
globosis prominulis, nigricantibus, papillatis, 160-200 μ . diam.;
sporulis brunneis, ellipsoideis, obtusissimis, 1-septatis, medio non
constrictis, 9 \approx 5-6.

Hab. in scapis *Narthecii ossifragi*, Westmalle Belgii. —
D. Buxi et *D. pinnarum* affinis.

99. **Diplodia Beckii** Bäuml. Myc. Not. p. 1. — Peritheciis gregariis, 5921
semper immersis, globosis, atris; ostiolo papilliformi, epidermidem
perforante, 200-250 μ . diam.; sporulis oblongis, medio 1-septatis,
non constrictis, rectis v. inæqualibus, utrinque obtuse rotundatis
v. parum attenuatis, brunneolis, 10-13 \approx 4-4,5; basidiis hyalinis,
6-10 \approx 2.

Hab. in vaginis *Phragmitis communis*, Pressburg Hun-

gariæ. — Adsunt etiam (sed rarissime) sporulæ 16-20 \approx 4-5. *D. microsporellæ* valde affinis.

100. **Diplodia nitens** Sacc. Bomm. Rouss. Contr. Myc. Belg. IV, p. 84. 5922

— Peritheciis sparsis, subglobosis v. ovoideis, epidermide atrata et nitida initio tectis, dein erumpentibus, 180-210 μ . diam.; sporulis didymis, elliptico-fusoideis, violaceis dein brunneis, subinde 2-guttatis, 18-22 \approx 9-11; tunica crassa.

Hab. in culmis *Ammophilæ arenariæ*, Ostende Belgii.

101. **Diplodia Bambusæ** Ell. et Langl. Journ. Mycol. 1890, p. 37. — 5923

Peritheciis hemisphæricis $\frac{1}{3}$ - $\frac{1}{2}$ mm. diam., papillatis; sporulis ellipsoideis, brunneis, 1-septatis, leniter constrictis, 15-20 \approx 8-10.

Hab. in culmis emortuis *Bambusæ* plerumque ad nodos, Louisiana Amer. bor.

102. **Diplodia Frumenti** Ell. et Ev. in Journ. of Myc. 1886, p. 103. 5924

-- Peritheciis globosis, subinde ostiolo cylindræo, crassiusculo præditis, subcæspitosis vel sæpe seriatis, rimis longitudinalibus immersis; sporulis ellipsoideis, brunneis, 1-septatis, 15-18 \approx 12; basidiis crassiusculis.

Hab. in culmis emortuis *Zeæ Maydis* in America boreali. — Certe cum *D. Zeæ* non comparanda.

103. **Diplodia culmorum** Pat. Bull. Soc. Myc. 1887, p. 130. — Peri- 5925

theciis longitudinaliter in greges parvos, areola brunnea cinctos dispositis, minutis, globosis, subapplanatis, nigris, primo subepidermicis, dein superficialibus; sporulis ovoideis, elongatis, primo hyalinis, dein rufis, rectis vel subcurvis, medio 1-septatis, strato mucoso fultis.

Hab. in culmis emortuis, Congo Africae occid.

CHÆTODIPLODIA Sacc., Syll. III, p. 374.

1. **Chætodiplodia anceps** Passer. Diagn. F. N, IV, p. 115. — Peri- 5926

theciis sparsis vel connatis, erumpentibus, basi epidermide cinctis, hyphis dematiaceis, intricatis, plus minus vestitis, subglobosis, ostiolo papillari, atris; contextu celluloso, atro-cyaneo, nucleo albo; sporulis numerosis, stipitatis, diu hyalinis et continuis, tandem fuscis, prope medium septatis, ellipticis vel sæpius cuneatis, non constrictis, 17-25 \approx 10.

Hab. in ramo sicco *Salicis albæ*, Parma Ital. bor. — Ad *Botryodiplodiam* vergit.

2. **Chætodiplodia Lecardiana** Sacc., Bomm. et Rouss. Fl. myc. Belg. 5927

II, p. 34. — Peritheciis copiosis, erumpenti-superficialibus, brun-

neo-nigricantibus, globoso-conicis, excepto apice pertuso villosis; sporulis ellipsoideis vel ovoideis, obtusissimis, 1-septatis, hyalinis, 24-25 \approx 12, mox brunneis 19-22 \approx 14, crasse tunicatis, ad septum non contractis; basidiis filiformibus, flexuosis.

Hab. in petiolis *Vitis Chantini* in Africa centr. (in herbario LECARD). — Septum sporulæ ob tunicam crassam ægre conspicuum. Pili peritheciæ brunnei, septati.

DIPLODIELLA Karst. — Sacc. Syll. III, p. 375.

1. **Diplodiella faginea** Bäumler in Hedw. 1885, pag. 76. — Peritheciis superficialibus, 0,5 mm. diam., atris, carbonaceis; sporulis 18-23 \approx 8-10, fuscis, uniseptatis, medio parum constrictis, utrinque rotundatis vel subclavatis, deorsum sursumve magis acuminatis. 5928

Hab. in ramis *Fagi silvaticæ* in Hungaria.

2. **Diplodiella ficina** Passer. Diagn. F. N. IV, n. 114. — Peritheciis crebre sparsis v. subgregariis, sphæroideis, brunneis, interdum depressis, ostiolo minuto; sporulis parvulis ellipticis, medio septatis, non constrictis, fuscidulis, 6-7,5 \approx 2,5-3. 5929

Hab. in ramo decorticato *Fici Caricæ*, Parma Ital. bor.

3. **Diplodiella ulmea** Passer. Diagn. F. N. IV, n. 113. — Peritheciis e ligno denudato erumpentibus, solitariis v. parce gregariis, globosis, minute papillatis, atris; sporulis ellipticis, ovatis aut elongatis, non vel leniter constrictis, uniseptatis, fuligineis, 15-25 \approx 8-10. 5930

Hab. in palo *Ulmi campestri*, Vigheffio prope Parmam Ital. bor.

4. **Diplodiella Lantanæ** Briard in Rev. Myc. 1890, n. 47. — Peritheciis sparsis, globosis vel leniter ovoideis, nigris, nitentibus, superficialibus, $\frac{1}{7}$ - $\frac{1}{8}$ mm. diam.; sporulis late ovoideis, obtusis, 1-septatis, ad septum constrictis, fuligineis, pellucidis, 12-13 \approx 8. 5931

Hab. in ramo decorticato *Viburni Lantanæ*, Noidan, Côte-d'Or Galliæ (FAUTREY).

5. **Diplodiella Xanthii** Har. et Br. in Rev. Myc. 1890, n. 47. — Peritheciis innatis, erumpentibus, $\frac{1}{5}$ - $\frac{1}{4}$ mm. diam., contextu parenchymatico; sporulis numerosissimis, ovato-oblongis, 1-septatis, obtusis, olivaceis, ad septum subconstrictis, 9-11 \approx 4-4,5. 5932

Hab. in caulibus emortuis *Xanthii*, Clermont-Ferrand Galliæ (HÉRIBAUD).

6. **Diplodiella dubia** Delacr. Bull. Soc. Myc. 1890, p. IX. — Peritheciis subovoideis atris, vertice applanatis, superficialibus, contextu cellulari, poro hysteroideo præditis; sporulis ovoideis vel leniter 5933

limoniformibus 23 \approx 10, fascis, diu continuis, guttulatis, tandem obscure 1-septatis, biguttatis.

Hab. in culmo Calami, Tonkin. — Hyphæ adsunt cum peritheciis connexæ, atræ, septatæ.

BOTRYODIPLODIA Sacc. Syll. III, p. 377.

1. **Botryodiplodia Mali** Brun. Liste Sphærops. p. 38. — Peritheciis 5934
numerosissimis, gregariis, parvis, stromate corticolo, nigro, $\frac{1}{2}$ - $\frac{3}{4}$
mm. diam., suborbiculari vel irregulari, ruguloso, tecto dein erum-
pente immersis; sporulis obovoideis, primo continuis, 1-septatis,
20 \approx 8, ad septum non vel vix constrictis.

Hab. in cortice emortuo truncorum Mali, Saintes Galliæ.

2. **Botryodiplodia æsculina** Passer. Diagn. F. N. V, n. 38. — Peri- 5935
theciis majusculis cæspitose-erumpentibus, globosis, papillatis, ni-
gris; contextu celluloso, fusco-violaceo; sporulis ellipticis, septatis
non vel vix constrictis, violaceis vel violaceo-fuscis, 20-30 \approx 10-12.

Hab. in ramo emortuo Æsculi Hippocastani in horto bo-
tanico parmensi Ital. bor. — A *Diplodia Æsculi* differt perithe-
ciis gregariis et sporulis majoribus violaceis.

3. **Botryodiplodia Gleditschiæ** Berl. Pug. fung. Fior. p. 23. — Stro- 5936
matibus elongatis, epidermide tectis, erumpentibus, 4- vel pluri-
ocularibus, majusculis, 2 mm. long., seriatim dispositis, superne
ostiolis punctulatis; sporulis ellipsoideis vel oblongis, 1-septatis,
non vel vix constrictis, utrinque rotundatis, 18-20 \approx 8-10, rufo-
fuliginis; basidiis hyalinis sporulam æquantibus.

Hab. in ramis emortuis Gleditschiæ Triacanthi prope
Firenze. — Forte eadem ac *Dipl. Gleditschiæ* Pass., sed perithe-
cia hujus minime ut botryoideo-congesta descripta sunt.

4. **Botryodiplodia varians** Ell. et Langl. Journ. Myc. 1890, p. 37. — 5937
Peritheciis erumpenti-superficialibus, solitariis, sæpius vero in acer-
vulos 2-4 vel pluribus aggregatis, conicis, rugosis, ostiolo obtuse
conico levi, vix 0,5 mm. diam.; sporulis ellipsoideis, brunneis, sæpe
continuis, subinde 1-septatis, haud constrictis 15-22 \approx 8-11.

Hab. in ramis emortuis Lagerstræmiæ, St. Martinsville La.
Amer. bor. (LANGLOIS). — A *Dipl. Lagerstræmiæ* Speg. differt pe-
ritheciis haud lenticularibus et duplo majoribus.

5. **Botryodiplodia minor** Berl. et Bres. Micr. Trid. p. 72, t. VI, f. 4. 5938
— Peritheciis hinc inde in acervulos valsiformes collectis, tectis,
6-12 in quoque acervulo, 0,5 mm. diam., collis longiusculis in fa-
sciculum collectis, ostiolis crassis, perforatis; sporulis ovoideo-ob-

longis, 1-septatis, vix constrictis, 10-12 = 4-5, biguttatis, rufo-olivaceis; basidiis sporulam æquantibus, filiformibus.

Hab. in ramulis emortuis *Aceris campestris* pr. Trento.

6. **Botryodiplodia atra** Berl. et Bres. *Micr. Trid.* p. 72, t. VI, f. 6. 5939

— Peritheciis gregariis subinde in series juxta fibras dispositis, compressis globoso-conoideis, numquam collapsis, epidermide sporulis sæpe atrata tectis, dein, ea rupta, emergentibus, minusculis, 250-300 μ . diam., nucleo aterrimo grumoso, cultro facile secedente farctis; sporulis ellipsoideis, minutis, numerosissimis, 8-9 = 6, coacervatis atris, 1-septatis, non constrictis, fuligineis; basidiis non visis.

Hab. in ramis emortuis *Pistaciæ Terebinthi* pr. Trento.

7. **Botryodiplodia acinosa** (Fr.) Cooke in Grev. XVII, p. 59, *Sphæria* 5940

Fr., *Syll.* II, p. 393. — Sporulæ oblongæ, variæ, 16-20 = 8-10, atro-brunnæ, vix constrictæ. Ad corticem *Tiliæ* in Vogesis (Moug. et NESTL. *Stirp.* n. 769!)

Sect. 4. **Hyalodidymæ.**

ASCOCHYTA Lib. — *Sacc. Syll.* III, p. 384.

I. *In Dicotyledoneis lignosis.*

1. **Ascochyta Cassandræ** Peck in 38 *Rep. St. Mus.* pag. 94. — Ma- 5941

culis orbicularibus v. irregularibus, rufo-brunneis v. griseis et tunc rufo-brunneo marginatis; peritheciis epiphyllis, minutis erumpentibus, nigrescentibus; sporulis oblongo-fusoideis, utrinque acutis, uniseptatis, 10-16 = 3-4, hyalinis.

Hab. in foliis vivis *Cassandræ calyculatæ* in montibus Adirondack Amer. bor.

2. **Ascochyta Ledi** Rostr. *Fung. Groenl.* p. 570. — Peritheciis sphæ- 5942

roideo-lenticularibus, nigris, 200-300 μ . diam.; sporulis oblongis, utrinque obtusis, 1-septatis, 12-13 = 3.

Hab. in ramulis *Ledi groenlandici* in Groenlandia.

3. **Ascochyta Diplodina** Berl. et Bres. *Micr. Trid.* p. 73, t. VI, f. 7. 5943

— Maculis pallidis irregularibus, subinde confluentibus, margine vix obscuriore; peritheciis in maculis sparsis vel subgregariis, demum collabascendo concavis, epidermide tectis, contextu parenchymatico, fuligineo, distincte laxiusculeque pertusis, 300-350 μ . diam.; sporulis numerosissimis, cylindræis, ad medium pseudo-uniseptatis, 10-12 = 2,5-3, hyalinis.

Hab. in utraque pagina foliorum emortuorum *Hederæ Helicis* pr. Trento. — *A. scandenti* et *A. maculanti* affinis.

4. **Ascochyta Calpurniæ** Wint. in Hedw. 1885, I. — Peritheciis in 5944
macula albida vel sordide grisea, angulato-rotundata vel irregulari, linea fusco-purpurea, elevata determinataque limitata plerumque epiphylla, rarius etiam hypophylla gregariis, minutissimis, atris, globosis, tenuissime membranaceis, 60-70 μ . diam.; sporulis fusiformi-acicularibus, sæpe inæquilateralibus, utrinque attenuatis, medio uniseptatis, non constrictis, hyalinis, 6-16 \approx 1-1,5.

Hab. in foliis *Calpurniæ silvaticæ* prope Somerset-East ad pedem montis Boschberg, Prom. Bonæ Spei (MAC OWAN).

5. **Ascochyta rufo-maculans** Berk. — Syll. III, p. 395. — Teste cl. Berlese (Due parass. Vite p. 444), species nascitur quoque in bacis *Vitis viniferæ* maturescentibus, Vittorio Ital. bor. et ob sporulas rarius 1-septatas et plerumque continuas (24-26 \approx 7-8) potius generi *Macrophomæ* esset adscribenda, cui *M. reniformis* valde affinis videtur.

6. **Ascochyta Symphoricarpi** Pass. Diagn. F. N. IV, p. 11. — Peri- 5945
ritheciis crebre sparsis, minutis, tectis; ostiolo punctiformi, atro, epidermidem leniter sublevante, emerso; sporulis fusiformibus, medio septatis, non constrictis, hyalinis, 12 \approx 2,5.

Hab. in ramulis vivis *Symphoricarpi racemosi*, Parma Ital. bor.

7. **Ascochyta arenaria** Lév. Voy. Demid. p. 115, t. V, f. 7. — Hypo- 5946
phylla; peritheciis sparsis, raris, innatis, e macula viridi emergentibus, ostiolis inconspicuis; sporulis linearibus, pellucidis, septatis, sporidiolis globosis.

Hab. in folis *Aceris campestris* prope Laspi Rossicæ.

8. **Ascochyta Symphoriæ** Br. et Har. in Rev. Myc 1890 Oct. — Pe- 5947
ritheciis sparsis, punctiformibus, subepidermicis, brunneis, 0,5 mm. diam.; sporulis ovato-oblongis, obtusiusculis, 1-septatis, hyalinis, ad septum constrictis, 10-11 \approx 3-4.

Hab. ad ramos *Symphoricarpi*, Méry-sur-Seine Gallicæ.

9. **Ascochyta sambucella** Passer. Diagn. F. N. IV, p. 11. — Peri- 5948
theciis superficialibus, subgregariis, minutis, globosis, atris, membranaceis; sporulis lanceolatis, medio septatis, non constrictis, hyalinis, 10 \approx 2,5.

Hab. in ramulo fracido *Sambuci nigræ* in horto botanico parmensi Ital. bor.

10. **Ascochyta bacilligera** Wint. Cont. Flor. myc. Lus. Ser. VI, p. 17. 5949

— Peritheciis in macula irregulari, angulata, determinata, subtus pallide fuscescente, supra grisea, margine fusco, angusto cincta, usque 10 mm. lata, hypophylla sparsis, lenticularibus, nitide atris, poro pertusis, 100 μ . diam.; sporulis bacilliformibus i. e. tenuissimis, cylindricis, utrinque rotundatis, medio spurie uniseptatis, hyalinis, 7-12 = 1.

Hab. ad folia viva Phillyreæ angustifoliæ, Matta do Busaco in Lusitania (MOLLER).

11. **Ascochyta ligustrina** Pass. Fung. Gall. novi in Journ. d'Hist. nat. 1885, n. 4, pag. 55. — Maculis vermiformibus, subochraceis, brunneo-marginatis; peritheciis paucis, sparsis, atris, acutiusculis; sporulis lanceolatis, 1-septatis, ad septum leniter constrictis, olivaceis, 5-7 = 2½.

Hab. in foliis Ligustri vulgaris prope Saintes in Gallia (BRUNAUD).

12. **Ascochyta Fraxini** Oud. Contr. Mycol. XIII, p. 45, t. 8, f. 26. 5951

— Peritheciis infra fasciculos fibrarum libri occultatis, itaque ligni superficie sparsis, parvis, ¼ mm. diam., teneris, membranaceis, depresso-globosis vel latere compressis, semitranslucidis, pallidis, centro tandem ostiolo minuto apertis; sporulis numerosissimis, acervatim olivaceis, solitariis dilutissime chlorinis, fusoides vel fusoides-clavatis, utrinque rotundatis vel parum curvatis, nonnumquam inæquilateralibus, 11-14 = 2,5, ad septum non constrictis, loculo altero interdum denuo diviso.

Hab. in ramis Fraxini excelsioris, sociâ *Phomâ divergente*, Zorgvliad prope Haye Belgii (DESTREE). — « An potius *Diplodinæ* species? »

13. **Ascochyta fraxinicola** Brun. Miscell. mycol. p. 17. — Maculis 5952

minutissimis, epidermidem leniter elevantibus, circularibus v. oblongis, brunneis, centro disciformi, dein subdepresso, albido; peritheciis nigris, minutissimis, parum numerosis, sparsis, tectis; sporulis ellipsoideis, fusoides v. ovato-elongatis, hyalinis, 1-septatis ad septum non vel vix constrictis, 15-18 = 5-6.

Hab. in ramis junioribus exsiccatis Fraxini excelsioris, Clermont-Ferrand Galliæ.

14. **Ascochyta Fremontiae** Hark. Fungi Pacif. V, p. 439. — Peri- 5953

theciis hypophyllis, sparsis, minutis; sporulis pallide bruneis, subcylindræis, utrinque leniter attenuatis, flexuosis, 1-septatis, ob endochromatis divisionem spurie 3-septatis, 30-40 = 6-12.

Hab. in foliis viventibus Fremontiae californicæ, Tehachapi Amer. bor.

15. **Ascochyta Camelliae** Pass. in Brun. Champ. Saint. V, p. 6. — Maculis oblongis vel irregularibus, latissimis, griseo-albidis; peritheciis membranaceis, contextu brunneo-parenchymatico; sporulis olivaceis, 1-septatis, $5-7,5 \approx 2,5-3$. 5954

Hab. in foliis Camelliae japonicæ, Rochefort Galliae.

16. **Ascochyta minutissima** Pass. Rev. myc. 1887, p. 145. — Peritheciis sparsis, hypodermicis, punctiformibus, atris, membranaceis; ostiolo acutiusculo, emerso; contextu parenchymatico, pallide fuligineo; sporulis innumeris, subfusoides, utrinque acutis, medio septatis, non constrictis, acervatim visis pallide olivaceis, singulis hyalinis, $7,5 \approx 3,5-4$. 5955

Hab. in ramulis tenuioribus aridis Camelliae in frigidariis, Parma Ital. bor.

17. **Ascochyta heteropragmia** Passer. F. N. IV, p. 11. — Maculis exaridis, albicantibus, fusco marginatis; peritheciis sparsis, punctiformibus, ostiolo imperspicuo, atris; contextu celluloso, e luteo fuscidulo; sporulis innumeris, lanceolatis v. elongatis, $10-17,5 \approx 2,5-3$, medio septatis, interdum e longioribus nonnullis triseptatis, acervatim visis melleis, singulis hyalinis. 5956

Hab. in foliis languidis Camelliae japonicæ in horto botanico parmensi Ital. bor. — Ab *A. minutissima* situ et sporulis grandioribus distinguenda.

18. **Ascochyta apiospora** Cooke et Mass. in Grev. XV, p. 98. — Maculis epiphyllis, orbiculari-diformibus, fuscis, zona purpurea cinctis; peritheciis minutis, innatis, ostiolo parvulo pertusis; sporulis piriformibus, inæqualiter didymis, hyalino-fuscis, loculo superiore subgloboso, amplo, $12 \approx 12$, loculo inferiore minuto, papilliformi. 5957

Hab. in foliis Myrti, Johnstone River Australiæ (BAILEY).

19. **Ascochyta Mespili** Pass. in litt. Brunaud in Rev. Myc. 1886, p. 141. — Maculis primo brunneis demum centro griseis v. brunneo-griseis, irregularibus, sæpius marginalibus; peritheciis innatis dein erumpentibus, globulosis, nigris; sporulis ellipsoideis, 1-septatis, medio non vel vix constrictis, pallide olivaceis, $10 \approx 4$. 5958

Hab. in foliis Mespili germanicæ, Saintes Galliae.

20. **Ascochyta Balansæ** Speg. Guar. I, p. 146. — Maculis amphigenis, orbicularibus, 3-5 mm. lat., albis, pellucidis, determinatis, zona nulla vel strictissima obscuraque cinctis, sparsis; peritheciis paucis, lenticularibus, 70-80 μ . diam., epiphyllis, atris, tenui-mem- 5959

branaceis; ostiolo parvulo; contextu minute parenchymatico, fusco-fuligineo; sporulis elliptico-elongatis, rectis vel curvulis, utrinque obtuse rotundatis v. subtruncatis, 6-12 \times 2-2,5 ad septum non constrictis, hyalinis.

Hab. ad folia viva Myrtaceæ (an Terebinthaceæ?) sp. cujusdam in silvis pr. Guarapî Brasiliæ.

21. **Ascochyta Caricæ** Pat. Bull. Soc. Myc. 1891, p. 178. — Maculis 5960
linea nigra parum distincta cinctis, ovatis, 2-3 cm. long., 5-8 mm. lat., cinerescentibus; peritheciis numerosis, sparsis, minutis, 100-150 μ . lat., subglobosis, erumpentibus, apice poro pertusis, contextu nigro, celluloso, intus nigris; sporulis hyalinis, ovoideis, 1-septatis, subconstrictis, 2-guttatis, 12 \approx 4; basidiis linearibus.

Hab. in petiolis Caricæ Papayæ, Quito Amer. æquat.

22. **Ascochyta atro-punctata** Wint. in Hedw. 1885, I. — Peritheciis 5961
gregariis, rarius sparsis, sæpe circinantibus, in maculis rotundatis indeterminatis, sæpe confluentibus, lutescentibus, amphigenis, immersis, depresso globosis, atris, demum late apertis, cupuliformibus, 160-180 μ . diam.; sporulis oblongo-fusiformibus, curvatis, bicellularibus, cellula superiore plerumque parum crassiore, inferiore deorsum attenuata, hyalinis, 19-24 \approx 3-4.

Hab. in foliis Osteospermi moniliferi in monte Tabulari, Promont. Bonæ Spei (MAC OWAN).

23. **Ascochyta Evonymi** Passer. Diagn. F. N. IV, p. 11. — Maculis 5962
amplis, exaridis, candicantibus, fusco-cinctis; peritheciis epiphyllis, sparsis, punctiformibus, atris; ostiolo acuto erumpente; sporulis lanceolatis, medio septatis, non constrictis, hyalinis, 5-6 \approx 2-2,5.

Hab. in foliis vivis Evonymi japonici, Sassari Sardinia (doct. BINNA).

24. **Ascochyta guaranítica** Speg. F. Guar. II, n. 170. — Peritheciis 5963
elliptico-lenticularibus, minutis, 60-70 μ . diam., epidermide velatis, dense aggregatis, maculas cinerescens totum hypophyllum fere occupantes efficientibus, atris, glabris, tenui-membranaceis, parenchymaticis, ostiolo impresso pertusis; sporulis cylindræis, utrinque obtusis 18-20 \approx 2,5, medio 1-septatis, non constrictis, rectis hyalinis.

Hab. ad folia dejecta putrescentia Sapotaceæ cujusdam in silvis pr. Guarapî Brasiliæ.

25. **Ascochyta brunnea** Cooke et Mass. in Grev. XV, p. 98. — Maculis 5964
amphigenis, orbiculari-diformibus, pallide fuscis ochraceisve, linea obscuriore elevata cinctis; peritheciis minutis, punctiformi-

bus, atris, innatis, demum emergentibus; sporulis arcte ellipticis, uniseptatis, hyalinis, $12 \approx 4$; basidiis æqualibus.

Hab. in foliis arboris ignotæ (Sapindaceæ?), Brisbane Australiæ (BAILEY).

26. **Ascochyta Populi** Delacr. Bull. Soc. Myc. 1890, p. 141. — Peritheciis globosis v. subapplanatis, fusco-flavescentibus, $110-130 \approx 70-90$, poro pertusis; sporulis hyalinis v. chlorinis, acutiusculis, 1-septatis medioque non constrictis v. interdum 2-3-septatis. 5965

Hab. in ramulis Populi pyramidalis, sociâ *Didymosphæriâ populinâ*, Mondoubleau, Loir-et-Cher Galliæ. — *D. Salicis* subaffinis.

27. **Ascochyta moricola** Berl. Add. Syll. n. 4669. — Peritheciis minutis, $\frac{1}{5}$ mm. diam., globosis globosove-conoideis, in ostiolum breve, subobtusum desinentibus, tectis; sporulis fusoides, utrinque acutis, 1-septatis ad septum non vel vix constrictis, $10 \approx 3$, pallidissime luteis. 5966

Hab. in ramulis emortuis Mori albæ, Fiumicello Ital. bor., socio *Coniothyrio fuscidulo*. — Ab omnibus speciebus ramicolis facile distinguenda.

28. **Ascochyta Vitellinæ** Pass. Fung. Gall. novi in Jour. d'Hist. nat. 1885, n. 4, p. 16. — Peritheciis hypopyllis, subgregariis, velatis, subochraceis; sporulis fusiformibus, apicibus acutis, prope medium septatis, hyalinis, $12-15 \approx 4-4\frac{1}{2}$. 5967

Hab. in foliis Salicis vitellinæ prope Saintes in Gallia (BRUNAUD).

29. **Ascochyta salicicola** Pass. Fung. Gall. novi in Jour. d'Hist. nat. 1885, n. 4, p. 16. — Maculis epiphyllis, rubiginoso-fuscis, angulosis; peritheciis exiguis, solitariis vel subgregariis; sporulis lanceolatis, hyalinis, medio septatis, $8-10 \approx 2\frac{1}{2}$. 5968

Hab. in foliis Salicis albæ prope Saintes, Bussac, le Port d'Envaux etc. in Gallia (BRUNAUD).

II. In Dicotyledoneis herbaceis.

30. **Ascochyta Primulæ** Trail Scot. Nat. 1887, p. 88 et Grev. XV, p. 108. — Epiphylla; maculis ut in *Phyllosticta primulicola*; peritheciis in maculis sparsis, depresso-globosis, $100-110 \mu$. diam., pallide brunneis, papillatis; sporulis 1-septatis; hyalinis, cylindræis, obtusis, $5-6 \approx 2-2.5$. 5969

Hab. in foliis Primulæ vulgaris, Dunottar Scotiæ.

31. **Ascochyta decipiens** Passer. Diagn. Fung. N. V, n. 39. — Pe- 5970

peritheciis in matrice immutata sparsis vel laxe gregariis, minutis, epidermidem pustuliformiter sublevantibus, fuscis, contextu membranaceo-celluloso, flavo-fusco; sporulis cylindricis, utrinque obtusis, hyalinis, endoplasmate varie guttulado et obscure transversim diviso, prope medium septatis, non constrictis 12×3 , raro $18-20 \times 3-4$; basidiis non visis.

Hab. in caule et ramis *Antirrhini* majoris ad mœnia *Parmæ*, Ital. bor.

32. **Ascochyta Silenes** Ell. et Ev. Journ. Myc. 1889, p. 148. — Ma- 5971
culis pallide flavescentibus, demum indefinitis et pallidioribus; peritheciis erumpentibus, sparsis, discoideis, $120-150 \mu$. diam., supra late pertusis; sporulis oblongis, hyalinis, 2-3-guttatis, utrinque rotundatis, $10-14 \times 2,5-3$.

Hab. in foliis et caulibus *Silenes antirrhinæ*, Racine, Wisconsin et Montana Amer. bor.

33. **Ascochyta Dianthi** (A. et S.) Lib. Crypt. II, n. 158 (1832). — 5972
Syll. III, p. 398. — Amphigena; maculis indeterminatis, pallidis; peritheciis minutis, fuscis, poro apertis, cirris albis; sporulis oblongo-fusoideis vel clavulato fusoideis utrinque rotundato-apiculatis constricto-1-septatis, hyalinis, $14-16 \times 3-4,5$.

Hab. in foliis languescentibus *Dianthi barbati*, sociâ *Pucciniâ Arenariæ* in Arduennis. — Teste cl. Oud. (Obser. Sphærosp. Dianth. p. 97 cum icone), huc spectant quoque *Phyllosticta Dianthi* West. et *Dinemasporium Dianthi* Oud., et species nascitur quoque in Belgio et Hollandia.

34. **Ascochyta Vitalbæ** Br. et Har. Rev. Myc. 1891, p. 17. — Peri- 5973
theeciis minutis, $\frac{1}{6}-\frac{1}{5}$ mm. diam., innatis, subepidermicis, erumpentibus, nigris, punctiformibus, numerosis, plus minus gregariis; sporulis oblongo-fusoideis, obtusiusculis, 1-septatis, non v. vix constrictis, hyalinis, $10-12 \times 4$.

Hab. in ramulis *Clematidis Vitalbæ*, Droupt-St.-Basles, Aube Galliæ (P. HARIOT).

35. **Ascochyta? infuscans** Ell. et Ev. Journ. Myc. 1889, p. 148. — 5974
Maculis magnis, vix zonato-definitis; peritheciis, immersis, folii superficiem pustulatim elevantibus, brunneis; sporulis oblongis, hyalinis, obtusis, medio angustatis, grosse 2-guttatis, $10-15 \times 4-6$, dein 1-septatis?

Hab. in foliis *Ranunculi abortivi*, London Canada Amer. bor. (J. DEARNESS).

36. **Ascochyta Papaveris** Oudem. Contr. à la Flore myc. de Nowaja 5975

Semlja p. 12, t. I, f. 10. — Peritheciis in pagina superiore (an etiam inferiore?) foliorum nigrescente sparsis, nigris, parvis, 200 μ . diam., membranaceis, e cellulis parenchymaticis, satis amplis, fuliginei coloris contextis; sporulis late fusoides vel subellipsoideis, hyalinis, medio septatis, $9 \approx 3\frac{1}{2}$, gelatina distentis, maxima copia e perithecio erumpentibus.

Hab. in foliis Papaveris nudicaulis in insula Nowaja Semlja.

37. **Ascochyta althæina** Sacc. et Bizz. Syll. III, p. 399 — var. **brunneo-cincta** Brunaud in Rev. Myc. 1886, p. 141. — Maculis brunneo-marginatis; sporulis ellipsoideo-oblongis, leniter 1-septatis, medio vix constrictis, $30 \approx 3,5$. 5976

Hab. in foliis languentibus Althææ officinalis, Chanier Galliæ.

38. **Ascochyta parasitica** Fautr. Rev. Myc. 1891, p. 79. — Maculis albidis, epiphyllis; sporulis 6-9 \approx 3,5-4. 2977

Hab. in foliis Althææ roseæ, Noidan, Côte-d'Or Galliæ (F. FAUTREY). — Adsunt in iisdem maculis *Sphærella parasitica*, *Phyllosticta destructiva* et *Septoria parasitica*.

39. **Ascochyta colorata** Peck in 38 Rep. St. Mus. pag. 94, tab. 2, fig. 9-10. — Maculis indefinitis, sæpe confluentibus, rufis centro brunneis, in superficie inferiore pallidioribus; peritheciis minutis, 100-120 μ . diam., atris; sporulis oblongis sæpe utrinque acutis, rectis vel curvulis, obscure uniseptatis, medio leniter constrictis, 17-25 \approx 7-8, hyalinis. 5978

Hab. in foliis vivis Fragariæ virginianæ, West Albany Amer. borealis. — Ab *A. Fragariæ* colore macularum et sporulis differt.

40. **Ascochyta Drabæ** Oudem. Contr. à la Flore myc. de Nowaja Semlja p. 12, t. I, f. 11. — Peritheciis in foliorum laminis petiolisque innatis, sparsis, membranaceis, atris, subsphæricis, poro centrali, denique supra epidermidem prominentibus, 100-130 μ . diam.; sporulis oblongis, 10 \approx 2 $\frac{1}{2}$, utrinque obtusis, medio septatis ibique levissime contractis, hyalinis. 5979

Hab. in foliis Drabæ alpinæ in insula Nowaja Semlja.

41. **Ascochyta Thlaspeos** Rich. Cat. Champ. Marn. n. 1687. — Sporulis 14 μ . long. 5980

Hab. in caule et foliis Thlaspeos perfoliati in incultis St.-Amand et Lisse Galliæ.

42. **Ascochyta Sisymbrii** Ell. et Kell. Journ. Myc. 1889, p. 142. — 5981

Maculis nullis; peritheciis amphigenis et petiolicolis, nigris, innatis, globoso-depressis, 200-235 μ . diam., 100-195 μ . alt., ostiolo circ. 20-25 μ . diam. pertusis; sporulis vermiformi-cylindræis, subhyalinis, guttatis, plerumque 1-septatis, 18-45 \approx 3,5-6, plerumque 25-38 \approx 4-5.

Hab. in foliis et petiolis *Sisymbrii canescentis*, Manhattan Kansas Amer. bor. (KELLERMAN et SWINGLE).

43. **Ascochyta Lathyri** Trail Scot. Nat. 1887, p. 87 et Grev. XV, 5982 p. 109. — Maculis obsolete definitis, totum folium fere occupantibus; peritheciis numerosis, subglobosis, depressis, 50-100 μ . diam.; sporulis 1-septatis, hyalinis, cylindræis, utrinque obtusis 8-10 \approx 2,5.

Hab. in foliis *Lathyri silvestris*, St. Cyrus prope Montrose Scotiæ.

44. **Ascochyta vicicola** Sacc. *Ascochyta Viciæ* Trail Scot. Nat. 1887, 5983 p. 87 et Grev. XV, p. 109. — Maculis pallidis, languidis, rufo-marginatis, irregulariter rotundatis; peritheciis in maculis sparsis; sporulis subcylindræis, obtusis sæpe leniter incurvis, granuloso-farctis, 1-septatis, 13-16 \approx 2,5-3, flavidis.

Hab. in leguminibus et foliis *Viciæ sepium* prope Dunottar Scotiæ. — « Forte vix vel non diversa a sequente ».

45. **Ascochyta Viciæ** Lib. Crypt. III, n. 356 (1837), Sacc. Funghi 5984 Ardenne n. 164. — Epiphylla; maculis subrotundis, rubellis, margine prominulo atro-sanguineo circumscriptis; peritheciis minutis aggregatis, poro apertis, nigris 90-100 μ . diam.; cirris albis; sporulis ovato-oblongis, utrinque obtusis, 1-septatis, leniter constrictis, 12-15 \approx 4-5, hyalinis.

Hab. ad folia *Viciæ sepium* in Arduennis. — *Asc. Orobi* Sacc. ab hac vix differt. An huc quoque *Phyllosticta Viciæ* Cooke?

46. **Ascochyta Boltshauseri** Sacc. in Zeitschr. f. Pflanzenkr. 1891, 5985 p. 136, t. III. — Foliicola; maculis subcircularibus, ochraceo-brunneis, distinctius epiphyllis, margine subconcoloribus; peritheciis innatis, parvis, globulosis, 100-150 μ . diam., tenui-membranaceis, brunneis, ostiolo rotundo pertusis; sporulis tereti-oblongis, utrinque rotundatis, constricto 1-septatis, non raro 2-septatis, varie guttulatis, hyalinis, 22-28 \approx 7-8.

Hab. in foliis *Phaseoli vulgaris*, cui noxia, in Helvetia (H. BOLTSHAUSER). — Ab *Ascoc. Pisi* et *A. Phaseolorum* mox differt sporulis conspicue majoribus et non raro 2-septatis. — *Ascoc. Pisi* f. *foliicola* Sacc. et March. Reliq. Westend. pag. 9 (sporulis 16-18 \approx 5-6) est potius var. præsentis speciei.

47. **Ascochyta Oxytropidis** Schroet. Pilz. Labrad. p. 19. — Maculis 5986
nullis; peritheciis irregulariter sparsis, circ. 250 μ . lat., nigris;
sporulis elongato-ellipsoideis, fere bacillaribus, sæpe arcuatis, utrin-
que rotundatis, 9-11 \times 2,5-3, medio septatis, hyalinis.
Hab. in petiolis foliorum emortuorum *Oxytropidis uralen-*
sis, Hebron, Labrador Amer. bor.
48. **Ascochyta Sempervivi** Fautr. Rev. Myc. 1891, p. 131. — Spor- 5987
rulis oblongis, utrinque obtusiusculis, septatis, 10 \approx 2, hyalinis.
Hab. in caulibus siccis *Sempervivi tectorum*, Saint-Aubin
prope Bernay, Eure Galliæ.
49. **Ascochyta Cucumeris** Fautr. et Roum. Rev. Myc. 1891, p. 79. 5988
— Maculis orbicularibus, dein irregularibus, griseis, 1 cm. diam.,
flavido-cinctis; peritheciis majusculis, sparsis, papillatis, distincte
pertusis; sporulis numerosissimis, hyalinis, cylindraceis, 1-septa-
tis, 8-11 \approx 3.
Hab. in foliis *Cucumeris sativi*, Noidan, Côte-d'Or Galliæ
(F. FAUTREY).
50. **Ascochyta Solani** Oud. Microm. I, p. 6. — Peritheciis infra pla- 5989
gas epidermidis nigrefactas nidulantibus, globoso-depressis fuligi-
neis, quodammodo asperis, 90-180 μ . lat., medio poro simplici per-
tusis, mycelii ramis fuligineis insidentibus; contextu distincte pa-
renchymatico; sporulis ellipsoideis, initio mucilagine quasi conglo-
batis, postremo liberis, 1-septatis, 14 \approx 7, chlorinis.
Hab. in caulibus exsiccatis *Solani tuberosi*, sociis *Phoma*
sp. et *Fusario diplosporo*, Scheveningen Nederlandiæ.
51. **Ascochyta Lycopersici** Brun. Champ. Saint. 1887, pag. 430. — 5990
Maculis rufis v. brunneolis, magnis, suborbicularibus vel irregula-
ribus; peritheciis sparsis, minutis, nigris; sporulis oblongis, 1-se-
ptatis, medio constrictis, 8-10 \approx 2,5, hyalinis.
Hab. in foliis languidis *Solani Lycopersici*, Pessines pr.
Saintes Galliæ.
52. **Ascochyta socia** Pass. Nebbia Pomid. p. 2. — Peritheciis spar- 5991
sis, tectis, lenticularibus, ostiolo subacuto; contextu fusco, paren-
chymatico, crassiusculo; sporulis elongato-ellipticis, medio septa-
tis, non constrictis, hyalinis, 8-10 \approx 2,5-3.
Hab. ad folia languida *Lycopersici esculenti*, *Septo-*
ria affecti (an semper?), Parma Ital. bor.
53. **Ascochyta microspora** Trail Scot. Nat. 1887, p. 87 et Grev. XV, 5992
p. 108. — Epiphylla; maculis suborbicularibus, nigris vel atro-
brunneis; peritheciis dense gregariis, globosis, 70 μ . diam., sub

lente pallide brunneis; sporulis subcylindræis, utrinque rotundatis, 1-septatis, rectis vel curvis, 5-7 \approx 1,5-2, hyalinis.

Hab. in foliis *Arctii Lappæ*, St. Grus, et *Petasitis* (sporulis 6-8 \approx 1,5-2), Aberdeen Scotiæ.

54. **Ascochyta Pyrethri** Brun. et Malbr. Suppl. Sphæroid. p. 3. — 5993

Peritheciis globoso-conicis, sparsis vel lineari-seriatis, erumpentibus, nigris; sporulis numerosis, ovoideis, ellipsoideis vel ellipsoideo-elongatis, utrinque obtusis, rectis vel leniter incurvis, ad septum non constrictis, subhyalinis.

Hab. in caulibus emortuis *Pyrethri sinensis*, Saintes Galliæ.

55. **Ascochyta Treleasei** Berl. et Vogl. Add. Syll. n. 4439, *Asco-* 5994

chyta spec. Treleas. Par. Fungi of Wiscos. p. 17. — Maculis brunneis, orbicularibus, circiter 3 mm. diam.; peritheciis brunneis, 100-120 μ . diam., vix ad ostiolum carbonaceis; sporulis hyalinis, ovoideis, oblongis vel reniformibus, sæpe medio constrictis, 7-14 \approx 3-5, 2-4-guttulatis, dein bilocularibus.

Hab. in foliis *Silphii integrifolii* et *Veronicæ noveboracensis*, Stoughton, La Crosse, Pammel Amer. bor.

56. **Ascochyta Lactuæ** Rost. in Thuem. M. U. n. 2095. — Sporulis 5995

cylindræis, tenuissimis, continuis, hyalinis, minutis.

Hab. ad folia et caules vivos *Lactuæ sativæ*, Skarup in insul. Fionia Daniæ (E. ROSTRUP). — Secundum de Thümen loc. cit. est verisimiliter *Phyllostictæ* spec.

57. **Ascochyta Thaspïi** Ell. et Ev. Journ. Myc. 1889, pag. 148. — 5996

Maculis amphigenis, suborbicularibus, sordide brunneis, definite et anguste flavo-marginatis, circ. 1,5 cm. diam.; peritheciis innatis, pallidis, 100-200 μ . diam., immersis, vix perspicuis; sporulis cylindræis, 3-septatis, 3-4-guttatis, 25-30 \approx 6-8, utrinque obtuse rotundatis.

Hab. in foliis *Thaspïi barbinodis*, London Canada Amer. bor. (J. DEARNESS).

58. **Ascochyta Parietarïæ** Roum. et Fautr. Rev. Myc. 1891, p. 79. 5997

— Maculis nigris, circularibus, irregularibus, sæpe confluentibus, folium perforantibus; peritheciis minutissimis, astomis, immersis; sporulis hyalinis, oblongis, dein 1-septatis, 6-8 \approx 3.

Hab. in foliis *Parietarïæ officinalis*, Beaune, Côte-d'Or Galliæ.

59. **Ascochyta nebulosa** S. et B. in Sacc. Myc. Sibir. p. 22, f. 28. 5998

— Peritheciis macula fusca insidentibus, gregariis epidermide te-

ctis, minutis, 200-250 μ . diam., membranaceis, poro pertusis, globoso-conoideis; sporulis ellipsoideo-oblongis, utrinque latiuscule rotundatis et fere breviter cylindræis, ad medium uniseptatis, sæpe parum constrictis, pallidissime flaveolis, in massa saturatoribus, 16-18 \approx 5-6, primo guttulis.

Hab. in caulibus *Chenopodii* sp. cujusdam in campis pr. pag. Kultchek Sibiriaë (MARTIANOFF).

60. **Ascochyta beticola** Prill. et Delacr. Bull. Soc. Myc. 1891, p. 25, 5990
t. III, f. V. — Peritheciis semiimmersis, rotundis, fuscis, 165 μ . diam., poro 20 μ . lat. circ.; sporulis hyalinis, 1-septatis, medio constrictis, utrinque obtuse attenuatis, 14 \approx 4.

Hab. in petiolis *Betæ vulgaris* cultæ a *Phyllosticta tabifica* enecatis, Mondoubleau, Loir-et-Cher Galliaë. — *Ascochyta Betæ* valde affinis.

61. **Ascochyta Oxybaphi** Trelease in Journ. of Myc. I, p. 14. — Ma- 6000
culis atro-brunneis, rotundis, 1-2 mm. diam.; peritheciis in pagina superiore foliorum, minutis, brunneis, carbonaceis circa ostiolum; sporulis 2-cellularibus, 10-17 \approx 4, quandoque medio constrictis, hyalinis.

Hab. in foliis *Oxybaphi nyctaginei* in Amer. bor.

62. **Ascochyta Betæ** Prill. et Delacr. Bull. Soc. Myc. 1891, p. 24. 6001
t. III, f. IV. — Peritheciis fusco-olivaceis, rotundis, 120-130 μ . lat., poro papillato, 15 μ . lat. præditis; sporulis hyalinis, primum continuis, ovatis, granulatis, dein 1-septatis, ovato-cylindræis, medio non constrictis, 9-12 \approx 2,5-3.

Hab. in petiolis *Betæ vulgaris* cultæ a *Phyllosticta tabificata* enecatis, Mondoubleau, Loir-et-Cher Galliaë.

63. **Ascochyta Fagopiri** Thüm. et Boll. Fung. lit. austr. in Soc. 6002
adriat. Sc. Nat. 1885, p. 13, n. 443. — Peritheciis minutis, sparsis, sine macula distincta, semiimmersis, subglobosis, atris; sporulis ellipsoideis, bicellularibus, medio constrictis, utrinque abbreviato-rotundatis, nucleo magno achroo in quaque cellula 8,5-10 \approx 3-4,5, hyalinis.

Hab. in caulibus aridis *Fagopiri esculenti*, Goritia.

64. **Ascochyta contubernalis** Oud. Contr. myc. Pays bas XII, p. 29. 6003
— Peritheciis punctiformibus, valde micantibus, sporulas per porum apicalem in filum longum, album, flexuosum emittentibus; sporulis oblongis, utrinque rotundatis, medio 1-septatis et constrictis, 14 \approx 4,5, hyalinis.

Hab. ad folia *Rumicis Acetosæ* in centro pulvinorum *Uro-*

mycetis Acetosæ, Apeldoorn Nederlandiæ. — « Verisimiliter *Darluca Filum* ».

III. In Monocotyledoneis.

65. **Ascochyta Iridis** Oud. Contr. Mycol. XIII, p. 46, t. 8, f. 27. — 6004
Peritheciis numerosis, minimis, maculiculis, infra epidermidem occultatis eamque perforantibus; sporulis numerosissimis, cylindraceis, hyalinis, 1-septatis, medio parum constrictis, utrinque rotundatis, 15-18 \approx 4.
Hab. in foliis Iridis Pseudacori, Bois de la Haye Nederlandiæ (DESTREE).
66. **Ascochyta Alismatis** Ell. et Ev. Journ. Myc. 1889, p. 148. — 6005
Maculis amphigenis, rotundis, parvis, 1-2 mm. lat., sordide brunneis, centro albidis, vix flavido-marginatis; peritheciis innatis, pallidis, 80-100 μ . lat., late pertusis; sporulis oblongo-cylindraceis, 12-16 \approx 2,5-3, biguttatis, dein 1-septatis.
Hab. in foliis Alismatis Plantaginis, London Canada Amerbor. (J. DEARNES).
67. **Ascochyta decipiens** Trail Trans. Crypt. Scot. 1889, pag. 44. — 6006
Peritheciis innatis, depressis, sphericis, circ. 120 μ . diam., tenuibus, atro-brunneis; sporulis copiosis, ellipsoideis, non constrictis, 9-11 \approx 2,5-3,5, hyalinis, medio tenuissime 1-septatis.
Hab. in culmis Heleocharidis, Scotia occident.
68. **Ascochyta lacustris** Passer. Diagn. F. N. IV, p. 12. — Peritheciis crebre sparsis vel subgregariis, punctiformibus, subcutaneoerumpentibus, membranaceis, nigris; sporulis ellipticis, medio septatis, non vel vix constrictis, 5-8 \approx 2,5-3, acervatim visis fumosis, singulatim hyalinis. 6007
Hab. in caulibus fracidis Scirpi lacustris, Roma Italiæ.
69. **Ascochyta? Rhynchosporæ** (Pat.) Berl. et Vogl. Add. Syll. n. 4443, 6008
Phoma Rhynchosporæ Pat. in Rev. Myc. 1886, p. 83. — Peritheciis sparsis, punctiformibus, globosis, nigris, mycelio radiante, brunneo cinctis; sporulis ovoideis, hyalinis, 5 \approx 2.
Hab. in Rhynchospora japonica, Klousiou Japon. — Sporulæ a cl. Pat. ut 1-septatæ non describuntur, hinc videtur *Phoma* genuina, nec *Ascochyta* ut habent cl. Berl. et Vogl. l. c.
70. **Ascochyta Spartinae** Trelease in Journ. of Myc. I, p. 14 et Par. 6009
fung. of Viscos. p. 17. — Maculis rotundis, pallide luteis; sporulis in massam carneo-coloratam exsurgentibus, hyalinis, rectis vel

vix curvatis, sæpe utrinque acuminatis, $35 \approx 3$, obscure biseptatis vel demum 2-3-septatis.

Hab. in foliis *Spartinæ cynosuroidis*, Madison Amer. bor. — Verisimiliter inter species *Septoriæ* in *Monocotyledoneis* parasiticas inquirenda.

71. **Ascochyta graminicola** Sacc. Syll. III, p. 407 — var. **Brachypodii** Trail Scot. Nat. 1887, p. 88 et Grev. XV, p. 109. — Peritheciis non confertis; sporulis subincurvis, $15-17 \approx 5$, leniter fusoides, utrinque obtusis. 6010

Hab. in foliis *Brachypodii* prope Dunottar Scotiæ. — Var. **leptospora** Trail Scot. Nat. 1887, p. 88 et Grev. XV, pag. 109: varietati *Holci* Sacc. affinis sed sporulis paullo minoribus, $12-14 \approx 2,5-3$, eguttatis. In foliis emortuis *Agropyri* repentis et *Psammæ arenariæ*, Aberdeen Scotiæ. — Var. **Cœruleæ** Br. et Har. Rev. Myc. 1891, p. 17: peritheciis innatis, nigris, punctiformibus vel oblongis, forma varia, depressis vel poro lato pertusis; sporulis cylindraceo-fusoides, utrinque in appendicem crassam et brevem, paullo perspicuam productis, 1-septatis, hyalinis, $16-22 \approx 3,5-4,5$. In culmis siccis *Moliniaæ cœruleæ*, Droupt, St.-Basles (Aube) Galliæ (P. HARIOT).

72. **Ascochyta Calamagrostidis** Brun. Mat. Myc. Saint. p. 25. — Peritheciis gregariis, minutissimis, convexiusculis, nigris; sporulis oblongo-elongatis, utrinque rotundatis, 4-guttatis, interdum medio constrictis, hyalinis, $14-15 \approx 2,5-3$. 6011

Hab. in caulibus *Calamagrostidis*, Saint-Palais-sur-Mer pr. Saintes Galliæ. — *A. Oryzæ* affinis.

ROBILLARDA Sacc. Syll. III, p. 407.

1. **Robillarda Vitis** Prill. et Delacr. in Bull. Soc. Myc. 1889, p. 124. 6012
— Maculis subcircularibus, margine læte rufescentibus; peritheciis immersis, fusco-badiis; sporulis fusoides, chlorinis, demum leviter fuscescentibus, $10-11 \approx 4$, apice setulas ternas, $8-15 \approx 1$, hyalinas gerentibus.

Hab. in foliis *Vitis viniferæ*, Margaux, Gironde Galliæ.

2. **Robillarda? macropoda** Speg. F. Fueg. n. 419. — Maculis amphigenis, albescentibus, determinatis, 5-8 mm. diam.; perithecia circumstantibus, gregariis, lenticularibus, irregulariter dehiscentibus, 80-100 μ . diam.; sporulis cylindraceis, hyalinis, continuis, $20 \approx 2$, apice trifidis v. setulis 3 divaricatis, $20 \approx 1$ præditis, longè stipitatis; basidiis simplicibus, $30-50 \approx 1$. 6013

Hab. ad folia viva Myrtaceæ cujusdam in dumetis prope Apiahy Brasiliæ.

3. **Robillarda discosioides** Sacc. et Berl. Myc. Sibir. p. 22, f. 29. — 6014

Peritheciis sparsis, epidermide tectis, valde complanatis, ostiolo minuto, $\frac{1}{2}$ mm. diam., circularibus, atris; contextu minute parenchymatico fuligineo; sporulis ovoideo-fusoideis, sursum valde attenuatis et in setam acutam longam desinentibus, ad medium v. prope apicem uniseptatis, non constrictis, hyalinis, $14 \approx 3-4$ (sine seta); basidiis brevioribus suffultis; setis $16-20 \approx 1$.

Hab. in caulibus emortuis Polygoni polymorphi in pratis pr. Meticowo Sibiricæ (MARTIANOFF).

ACTINONEMA Fr. — Syll. III, p. 408.

1. **Actinonema Ulmi** Allesch. Bot. Centr. 1890, II, p. 44. — Maculis 6015

primo flavidis, dein e centro brunneolis, irregularibus; fibrillis tenuissimis, retiformi-expansis, epidermide brunnea tectis; peritheciis (?) sub epidermide parum elevata tectis, magnis, lenticularibus; sporulis non visis.

Hab. in foliis vivis Ulmi campestris, Isarthal supra Maria-Einsiedel Austriæ infer.

2. **Actinonema Loniceræ-alpigena** Allesch. Bot. Centr. II, p. 44. — 6016

Maculis minutis, rotundato-angulosis vel irregularibus, dein confluentibus, nigrobrunneis; fibrillis tenuissimis, dendroideo-ramulosis.

Hab. in foliis vivis Loniceræ alpigenæ, prope Rottenbuch Bavaricæ sup.

3. **Actinonema Fraxini** Allesch. Bot. Centr. 1890, II, p. 44. — Ma- 6017

culis magnis, irregularibus, brunneolis, mox totam folii paginam occupantibus; fibrillis præcipue ad macularum marginem insertis, subtenuibus, ramulosis, radiantibus; peritheciis et sporulis non visis.

Hab. in foliis vivis Fraxini excelsioris, prope München Austriæ infer.

4. **Actinonema Tiliæ** Allesch. Bot. Centr. 1890, II, p. 44. — Macu- 6018

lis magnis, dendroideo-ramosis, in folii paginis dein effusis, nigrescentibus, fibrillis griseo-albis, parum ramosis, tenuissimis præditis.

Hab. in foliis vivis Tiliæ dejectis, Kaninchenberg et Isarauen Austriæ infer.

5. **Actinonema Pirolæ** Allesch. Bot. Centr. 1890, II, p. 45. — Ma- 6019

culis magnis, irregularibus, nigris, dein totum folium occupantibus; fibrillis tenuissimis, dendroideo-ramulosis, griseo-albidis, superficia-

libus; peritheciis numerosis, conicis, nigrescentibus, epidermide tectis; sporulis elongatis, utrinque subattenuatis, medio septatis, non constrictis, circ. 8-10 = 2.

Hab. in foliis *Pirolæ secundæ* in silva prope München *Bavariæ*.

6. **Actinonema Podagrariæ** Allesch. Bot. Centr. 1890, II, pag. 44. — 6020
Maculis brunneis, plerumque irregulariter rotundatis; fibrillis tenuissimis, copiose ramosis, submoniliformibus, quoquoversum dispositis, epidermide tectis.

Hab. in foliis dejectis adhuc vivis *Ægopodii Podagrariæ*, Isarthal pr. Maria-Einsiedel *Austriæ* infer.

7. **Actinonema? hirsutum** Speg. F. Guar. II, n. 171. — Subiculo hy- 6021
pophyllo, laxissimo, arachnoideo-expanso, velutino, atro-olivaceo, ex hyphis repentibus, subtorulosis (articulis cylindratis, 12-14 = 4), gracilibus, guttulatis, olivaceis, hinc inde setulas erectas cylindraceas, 120-150 = 5, sursum sensim attenuatas apiceque obtusulas, 3-9-septulatas, olivaceas gerentibus, efformato; peritheciis in subiculo sparsis, globulosis, 100 μ . diam., tenue membranaceis, grosse parenchymatico-cellulosis, olivaceis, glabris, primo astomis, dein apice ostiolatim dehiscentibus; sporulis cylindratis, utrinque obtusis, 30-35 = 5, rectis v. flexuosis, medio 1-septatis, non constrictis, hyalinis.

Hab. ad folia viva *Panici* cujusdam in herbosis silvaticis pr. Guarapí *Brasilæ*.

DARLUCA Cast. — Syll. III, p. 410.

1. **Darluca interseminata** Wint. in Journ. of Myc. 1885. p. 102. — 6022
Peritheciis gregariis seu dense sparsis, superficialibus, punctiformibus, globosis, demum collapsis, poro pertusis, membranaceis, fuscis, 80-130 μ . diam.; sporulis oblongis vel oblongo-cylindratis, utrinque rotundatis, hyalinis, uni-rarissime bi-septatis, ad septum vix vel perparum constrictis, 12-14 = 3.

Hab. in foliis *Stellariæ*, sociâ *Peronosporâ Alsinearum*, in Amer. bor.

2. **Darluca australis** Speg. F. Guar. II, n. 169. — Peritheciis globu- 6023
losis, minutis, 140-150 μ . diam., dense gregariis, hinc inde plagulas suborbiculares, pulvinulatas, 0,5-2 mm. diam., granulosis, atris efficientibus, coriaceo-membranaceis, contextu fuligineo, indistincto, glabris, ostiolo impresso pertusis; sporulis fusoidis vel elongato-subbiconicis, medio 1-septatis, non vel vix constrictis, utrin-

que acutiusculis, 18-20 \approx 4, ac in juventute mucoso-penicillatis, dein exappendiculatis, hyalinis.

Hab. ad folia viva Bignoniæ cujusdam in dumetis pr. Guarapî Brasiliæ. — Species in Uredine non parasitans, contextu fuligineo sporularumque magnitudine satis distincta.

3. **Darluca ammophila** Sacc. Bomm. et Rouss. Fl. Myc. Belg. II, p. 35. 6024

— Peritheciis sparsis, sphaericis, nigris, subepidermicis, 95-135 μ . diam., epidermidem ostiolo papilliformi perforantibus; sporulis ovato-fusoideis, valde regularibus, hyalinis, 30 \approx 25, ad septum non constrictis, utrinque hyalino-apiculatis.

Hab. in foliis siccis *Ammophilæ arenariæ*, Ostende Belgii. — An var. v. status *Tiarosporæ* sequentis?

TIAROSPORA Sacc. et March. in Rev. Myc. 1885, p. 148 (Etym. a *tiara*, ob sporulas appendiculato-galeiformes). — Perithecia epidermide tecta, globulosa, atra, obtuse papillata, membranacea. Sporulæ ellipsoideæ, 1-septatæ, hyalinæ, granulosæ, utrinque appendice apice dilatato-pileata auctæ. — Contextu perithecii atro et forma abnormi appendicis sporularum ab *Ascochyta* et *Darluca* mox dignoscitur.

1. **Tiarospora Westendorpii** Sacc. et March. in Rev. Myc. 1886, p. 118. 6025

— Peritheciis gregariis, horizontaliter ellipticis, $\frac{1}{2}$ mm. long., $\frac{1}{4}$ latis; ostiolo obtuso; sporulis ellipsoideo-rhombeis, 1-septatis, non constrictis, 25 \approx 16-18, appendicibus 5-6 μ . long.

Hab. in foliis *Ammophilæ arenariæ*, Ostende in Belgio (WESTENDORP).

DIPLODINA West. — Syll. III, p. 411.

I. In *Dicotyledoneis lignosis*.

1. **Diplodina Gallæ** Ell. et Ev. in Jour. of Myc. 1886, p. 37. — Mi. 6026

nuta, atra; peritheciis epidermide tectis, dein ea rupta suberumpentibus, sparsis v. 3-6-aggregatis; sporulis obovatis, 1-septatis, subhyalinis (pallide luteolis), 10-12 \approx 5-7; basidiis crassiusculis.

Hab. in gallis quercinis, Massachussetts Amer. bor. (C. H. CLARKE).

2. **Diplodina semiimmersa** Karst. et Har. Journ. Bot. 1890, p. 360. 6927

— Peritheciis subgregariis, semiimmersis, carbonaceis, sphaeroideis, atris, dein poro pertusis, 100-200 μ . diam.; sporulis oblongatis, utrinque obtusis, 1-septatis, chlorino-hyalinis, 10-12 \approx 3-4,5.

Hab. in trunco vetusto *Fagi*, Fontainebleau Galliæ (TULASNE).

3. **Diplodina nitida** Karst. Symb. Myc. Fenn. XXVI, p. 30. — Peritheciis per corticem erumpentibus, solitariis vel cæspitosis, sphæroideis vel truncato-oblongatis, vertice vulgo impressis, levibus, atris, circ. 0,2 mm. diam.; sporulis acrogenis, fusoideo-elongatis, rectis vel subrectis, plerumque 1-septatis, hyalinis, haud constrictis, 12-18 \approx 2,5-3,5; basidiis filiformibus, 30-50 \approx 1. 6028

Hab. in ramulis emortuis Alni incanæ pr. Mustiala Fenniae.

4. **Diplodina Acerum** Sacc. et Br. in Rev. Myc. 1886. — Peritheciis innatis, cortice immersis, erumpentibus, epidermide rupta tectis; sporulis oblongo-fusiformibus, utrinque leniter attenuatis, hyalinis, plerumque 1-septatis et sæpe ad septum constrictis, 12-16 \approx 4-4,5. 6029

Hab. in ramulo cæso delapsoque Aceris Pseudoplatani prope Troyes Galliae.

5. **Diplodina plana** Karst. Hedw. 88. — Peritheciis sparsis, epidermide tectis, planis, orbicularibus, atris, poro pertusis, 0,1-0,2 mm. diam.; sporulis oblongatis, utrinque obtusis, rectis, 1-septatis, chlorino-hyalinis, 6-10 \approx 2. 6030

Hab. in ramis emortuis Sambuci racemosæ in horto mustialensi Fenniae.

6. **Diplodina minima** Rich. Cat. Champ. Marn. n. 1695. — Sporulis griseo-lacteis. 6031

Hab. in ramulis Ligustri vulgaris, St.-Amand Galliae.

7. **Diplodina Eurhododendri** Voss Mat. Pilz. Krains V, p. 229, f. 9. — Peritheciis gregariis, erumpentibus, nigris, globosis, minutis, circ. 200-250 μ . diam., mollibus; sporulis oblongo-fusoideis, utrinque acutatis, rectis, 1-septatis, hyalinis, numerosissimis, 9-13 \approx 2-3. 6032

Hab. in capsulis emortuis Rhododendri hirsuti, Bärenthal supra Jauenburg, Carnioliæ Austriæ.

8. **Diplodina Kœberliniæ** E. et E. Journ. Myc. 1888, p. 123. — Peritheciis gregariis, subcutaneis, 0,5 mm. diam., epidermidem lacerantibus, sed non erumpentibus; sporulis ellipsoideis, hyalinis, 14-16 \approx 7-8, endochromate medio imperfecte diviso. 6033

Hab. in ramis Kœberliniæ spinosæ, Arizona Amer. bor.

9. **Diplodina Corni** Cooke in Grev. XVI, p. 8. — Gregaria; peritheciis subglobosis, nigris, papillatis, epidermide ostiolis pertusa tectis; sporulis anguste ellipsoideis, 1-septatis, non constrictis, hyalinis, 10-12 \approx 3. 6034

Hab. in ramis Corni sanguineæ, Shotover Plantation Britanniae (BAXTER).

10. **Diplodina Vitis** Brun. Champ. Saint. p. 339. — Peritheciis sparsis vel gregariis, vix erumpentibus, globosis, nigris, pertusis; sporulis oblongo-elongatis, hyalinis, 1-septatis, ad septum non constrictis, $15 \approx 5-5,5$. 6035

Hab. in sarmentis emortuis *Vitis viniferæ*, Saintes Galliæ.

11. **Diplodina Veronicæ** Brun. Esp. Sphærops. pag. 2. — Peritheciis sparsis v. approximatis, minutis, nigris, lucentibus, globulosis, compressis, per ligni fibras erumpentibus; sporulis ovoideis vel ovoideo-oblongis, utrinque rotundatis, hyalinis, 1-septatis, ad septum constrictis, $8-10 \approx 3$. 6036

Hab. in ramis emortuis *Veronicæ Andersoni*, Saintes Galliæ.

12. **Diplodina Hippocastani** (Lib.) Sacc. F. Ardenn. n. 167, *Ascochyta Hippocastani* Lib. Crypt. II, n. 151 (1832). — Peritheciis sparsis, tectis, globosis, rufo-fuscis, ostiolo orbiculari apertis; cirris albis; sporulis fusoides rectis v. curvulis, $20-22 \approx 3,5$, tenuiter v. spurie 1-septatis, non constrictis, hyalinis. 6037

Hab. in cortice ramorum *Æsculi Hippocastani* in Arduennis.

13. **Diplodina Spirææ** Passer. Diagn. F. N. n. 116. — Peritheciis crebre sparsis, minute pustulæformibus, rectis, fuscis; sporulis numerosis, fusiformibus, medio septatis, non constrictis, hyalinis, $10-12,5 \approx 2,5-3$; basidiis non visis. 6038

Hab. in ramis siccis *Spirææ crenatæ* in horto botanico parmensi Ital. bor.

14. **Diplodina fructigena** Karst. Symb. Myc. Fenn. XXVIII, p. 42. — Peritheciis sparsis vel subgregariis, erumpentibus, globulosis vel oblongatis, astomis, atris, 0,3 mm. diam.; sporulis fusoides-oblongatis, rectis, hyalinis, $10-20 \approx 3-4$. 6039

Hab. ad carpella *Ledi palustris* pr. lacum mustialensem, Salois Fennicæ (O. KARSTEN).

15. **Diplodina Grossulariæ** Sacc. et Briard in Rev. Myc. 1886. — Peritheciis sparsis, epidermide velatis, nigris, globulosis, lucidis, $\frac{1}{6}-\frac{1}{5}$ mm. diam.; sporulis oblongo-cylindræis, obtusis vel leniter fusiformibus, 1-septatis, non contractis, $8-10 \approx 2-2,5$, hyalinis. 6040

Hab. in caulibus emortuis *Ribis Uvæ-crispæ*, Troyes Galliæ (BRIARD).

16. **Diplodina hysteroioides** Karst. et Har. Journ. Bot. 1890, p. 359. — Peritheciis sparsis, semiimmersis, membranaceis, celluloso-contextis, ovoideis vel oblongatis, rarissime rotundatis, convexis, glabris, 6041

atris, dein poro plus minus ampliato apertis, intus rufescenti-pallidis vel pallidis, circ. 200 μ . diam.; sporulis oblongatis, rectis, utrinque obtusissimis vel truncatis, 1-septatis, ad septum non constrictis, hyalinis, 15-16 \approx 6; basidiis brevissimis.

Hab. in ligno denudato vetusto, Milano Ital. bor. (DE NOTARIS).
— Vergit ad *Pseudopatellam*.

17. **Diplodina punctulata** Pat. Bull. Soc. Myc. 1888, p. 123. — Peri- 6042
theciis punctiformibus, sparsis, nigris, globosis; contextu membranaceo, e cellulis magnis, brunneis efformato; sporulis numerosissimis, ovoideis, hyalinis, in loculos 2 valde inæquales divisis, ad septum constrictis, 8-9 \approx 3-4; basidiis brevissimis; paraphysibus filiformibus, copiosis.

Hab. in foliis Dicotyledoneæ cujusdam, Puerto Zamuro Venezuelæ.

II. In Dicotyledoneis herbaceis.

18. **Diplodina Glaucii** Cooke et Mass. in Grev. XVII, p. 79. — Peri- 6043
theciis minutis, sparsis, globosis, nigris, epidermide ostiolo papillato pertusa, tectis; sporulis ellipsoideis, obtusis, vix constrictis, 1-septatis, hyalinis, 12-13 \approx 3.

Hab. in caulibus emortuis Glaucii fulvi, Kew Britannia.

19. **Diplodina verbenacea** Har. et Briard Rev. Myc. 1890, n. 47. — 6044
Peritheciis numerosis, nigris, plus minus confertis, subepidermicis, papillatis, $\frac{1}{6}$ - $\frac{1}{5}$ mm. diam., papilla epidermidem perforante; sporulis ovoideo-oblongis, obtusis, 1-septatis, ad septa constrictis, hyalinis, 12-13 \approx 4-4.5.

Hab. in caulibus siccis Verbenæ officinalis, Méry-sur-Seine Gallia (HARIOT).

20. **Diplodina Phlogis** Fautrey in Rev. myc. 1890, p. 165. — Peri- 6045
theciis gregariis, numerosissimis, non confluentibus; sporulis 1-septatis, constrictis, 8-12 \approx 3-4.

Hab. in caulibus Phlogis paniculatæ, Noidan, Côte-d'Or Gallia (F. FAUTREY).

21. **Diplodina Antirrhini** Fautr. Rev. Myc. 1891, p. 10. — Sporulis 6046
oblongis, rotundatis, 1-septatis, paullum constrictis, 10-12 \approx 3-4, hyalinis.

Hab. in caulibus viridibus Antirrhini majoris, Noidan, Côte-d'Or Gallia. — An *Diplodina Antirrhini* Rich. Champ. Marn. n. 1694, eadem species sit, deficiente more solito diagnosi, non liquet.

22. **Diplodina Helichrysi** Pass. in Brun. Champ. nouv. VI, p. 3. — 6047
Peritheciis lignicolis, gregariis, subglobosis vel compressis, rugulosis, nigris, per fibras corticis rimoso-elevata erumpentibus; sporulis elongato-ellipsoideis vel cuneatis, primo continuis, dein 1-septatis, medio non vel vix constrictis, hyalinis, 10-17,5 \times 3-5.
Hab. in caulibus emortuis Helichrysi Stœchadis, Fouras pr. Saintes Galliæ.
23. **Diplodina conformis** Sacc. Bomm. et Rouss. Fl. myc. Belg. II, 6048
p. 35. — Peritheciis sparsis, subepidermicis, dein erumpenti-subsuperficialibus, globulosis, 260-360 μ . diam., opacis, primo brunneolis, dein nigris, interdum leniter velutinis, denique collabentibus, ostiolo brevi, conico; sporulis hyalinis, 1-septatis, oblongis, 7-11 \times 2,5-3.
Hab. in caulibus emortuis Resedæ albæ, Watermael Belgii. — Ab affini *D. deformi* peritheciis valde regularibus et ostiolo conico diversa.
24. **Diplodina Chenopodii** Karst. in Hedw. 1885, pag. 73. — Peritheciis 6049
sparsis, initio epidermide tectis, subsphæroideis, vertice in ostiolum conoideum, poro pertusum attenuatis, glabris, atris, 0,1-0,2 mm. diam.; sporulis oblongatis, utrinque obtusissimis, rectis, 1-septatis, eguttulatis, ad septa vix constrictis, hyalinis, 14-16 \times 5,6-6,5.
Hab. ad caules emortuos Chenopodii viridis prope Mustiala Fenniæ.
25. **Diplodina Amaranthi** Fautrey in Rev. myc. 1890, p. 124. — Peritheciis 6050
sparsis, subepidermicis, oblongis, mediis, 120 \times 60, poro pertusis; sporulis oblongis, rectis vel subcurvis, hyalinis, 1-septatis, ad septum constrictis, circ. 8-10 \times 3.
Hab. in caulibus siccis Amaranthi caudati, Noidan, Côte-d'Or Galliæ. — *D. Chenopodii* affinis.
26. **Diplodina Parietariæ** Brun. Champ. Saint. p. 339. — Peritheciis 6051
gregariis, tectis, dein erumpentibus, oblongis v. subglobosis, nigro-brunneis, demum collabascentibus; sporulis subfusoides, 1-septatis, hyalinis, 15 \times 3,5.
Hab. in caulibus emortuis Parietariæ officinalis, Pons pr. Saintes Galliæ.
27. **Diplodina Humuli** Brun. Champ. Saint. pag. 339. — Peritheciis 6052
sparsis, erumpentibus, globosis vel globoso-depressis, nigris, pertusis; sporulis subfusoides, hyalinis, 1-septatis, ad septum non v. vix constrictis, 15-18 \times 2,5-3.

Hab. in caulibus emortuis Humuli Lupuli, Saintes Galliæ.

III. In Monocotyledoneis.

28. **Diplodina ramulorum** Ell. et Ev. Journ. Myc. 1889, pag. 152. — 6053
Peritheciis subcutaneis, nigris, minutis, gregariis; sporulis oblongis vel obovato-oblongis, 2-guttatis, dein 1-septatis, hyalinis, 18-22 = 7-8, utrinque rotundatis et obtusis.

Hab. in caulibus dealbatis Smilacis et Lycii, Newfield, N. Jersey Amer. bor.

29. **Diplodina Dendrobii** Cooke et Mass. in Grev. XIV, p. 3. — Pe- 6054
ritheciis epiphyllis, gregariis, innatis, atris, convexis, demum epidermide fissa, supra denudatis, nitidis; sporulis didymis, ellipticis, hyalinis, 20 = 6-7.

Hab. in foliis Dendrobii speciosi, Brisbane Australiae (BAILEY).

30. **Diplodina Iridis** Pass. in Journ. hist. Nat. Bord. 1885, pag. 136, 6055
Brunaud Liste Sphærops. pag. 41. — Maculis nullis; peritheciis punctiformibus, sparsis, nigris; sporulis oblongis, utrinque rotundatis, ad medium 1-septatis, hyalinis, 18-20 = 5.

Hab. in foliis emortuis Iridis Pseudacori, Saintes, Saint-Cézaire Galliae.

31. **Diplodina Smilacis** Ell. et Ev. in Journ. of Myc. 1886, p. 101. 6056
— Peritheciis sparsis, depressis, globosis, $\frac{1}{6}$ mm. diam., epidermide nigrescente, ostiolo minuto perforata, tectis, prominulis; sporulis oblongis v. ellipsoideo-oblongis, hyalinis, binucleatis, 1-septatis, ad septum vix constrictis, 7-8 = 3-3,5.

Hab. in caulibus emortuis Smilacis, Newfield Amer. bor.

32. **Diplodina Ammophilæ** Trail in Scot. Nat. I, p. 76. — Perithe- 6057
ciis sparsis inter nervulos, ovalibus, ostiolo papillato pertusis, obscuris; sporulis hyalinis, late fusiformibus, 30 = 12, uniseptatis, utrinque mucoso-appendiculatis.

Hab. in foliis emortuis Ammophilæ arundinaceæ, Aberdeen Scot. — «An *Tiarospora*?»

33. **Diplodina? verruculosa** Speg. F. Fueg. n. 408. — Peritheciis erum- 5058
penti-superficialibus, hemisphærico-globulosis, 200-250 μ . diam., densiuscule gregariis vel seriatis, minute denseque verruculosis, atris, astomis vel irregulariter dehiscentibus, membranaceo-coriacellis; contextu parenchymatico, pellucido, fuligineo; sporulis cylindraceis, utrinque obtusiusculis, 8-12 = 1-1,5, rectis vel subcurvulis, hyalinis.

Hab. ad culmos dejectos putrescentes Tritici secundi in maritimis prope Shammacus Brasiliæ.

CYSTOTRICHA B. et Br. — Syll. III, p. 413.

1. **Cystotricha aurodisca** Cooke in Grevillea V, p. 56. — Peritheciis 6059
ovatis vel ellipsoideis, longitudinaliter erumpentibus, margine serrato, disco aurantiaco; basidiis gracilibus, sursum ramosis; sporulis cylindræis, simplicibus, «an denique uniseptatis?»

Hab. in frustulis lignosis, Darenth Britannicæ.

2. **Cystotricha Striola** B. et Br. Cfr. Syll. III, pag. 414, Rich. Cat. Champ. Marn. n. Suppl. p. 543. — Perithecia ligno immersa, brunnea, nigricantia, hysteriiformia; nucleo albido; sporulis hyalinis, ellipsoideis, 1-septatis, 7 μ . long., basidiis longis, septatis, ramosis lateraliter insertis. — Nascitur quoque in ligno denudato dejecto Alni glutinosæ, St.-Amand Gallicæ.

PUCCINIOSPORA Speg. Guar. I, p. 147 (Etym. a *Puccinia* et *spora*). — Perithecia superficialia, globosa, astoma?, atra, subiculo parcissimo, radiante, follicolo insidentia. Sporulæ majusculæ, didymæ, hyalinæ. — Est *Diplodina* superficialis, phyllogena.

1. **Pucciniospora Chusqueæ** Speg. loc. cit. — Maculis amphigenis, el- 6060
lipticis, 1,5-2,5 mm. long., 1 mm. lat., ferrugineis, indeterminatis, flavescenti-cinctis; peritheciis epiphyllis, laxe 2-5-gregariis, globosis, 120-160 μ . lat., atris, subverruculosis, astomis, contextu grosse parenchymatico, pellucido, olivaceo, hyphis paucis, repentibus, undulatis, dilute olivaceis, parce septulatis, insidenti-cinctis; sporulis ellipsoideis vel ovoideis, supra late rotundatis, subtus subcuneatis, 35-36 \approx 15, ad septum non constrictis, pedicello brevissimo, 5 \approx 4, hyalino appendiculatis.

Hab. ad folia viva Chusqueæ tenuiglumis prope Villa-Rica Brasiliæ.

Sect. 5. Phæophragmiæ.

HENDERSONIA Berk. — Sacc. Syll. III, p. 419.

1. *In Dicotyledoneis lignosis.*

1. **Hendersonia affinis** Pass. in Rev. Myc. 1886. p. 142. — Perithe- 6061
ciis amphigenis, punctiformibus, hinc inde aggregatis, maculis inter nervos insidentibus, subinde sparsis, atris; sporulis ellipsoideo-

oblongis, biseptatis, raro uniseptatis, septis non vel vix constrictis, brunneo-olivaceis, $12,5 \approx 5$.

Hab. in foliis putrescentibus Tiliæ europææ, Saintes Galliæ.
— Sporulis biseptatis, *H. biseptatæ* affinis.

2. **Hendersonia ambiens** Cooke in Grevillea XIV, p. 5. — Peritheciis gregariis, cuticula elevata, longitudinaliter perforata tectis, globosis, mox papillatis; sporulis anguste ellipticis, triseptatis, non constrictis, pallide brunneis, $20 \approx 7-8$; basidiis sporularum longitudinem æquantibus, mox evanidis. 6062

Hab. in ramulis Aceris dasycarpi, Kew Britanniæ.

3. **Hendersonia Colchicæ** Pass. in Brun. Champ. Saint. V, p. 6. — Peritheciis epidermide dealbata, disrupta tectis, parenchymate corticali nidulantibus; sporulis ellipsoideis, 3-septatis, brunneis $10 \approx 3$. 6063

Hab. in ramis emortuis Staphyleæ colchicæ, Saintes Galliæ.

4. **Hendersonia Staphyleæ** Ell. Ev. in Journ. of Myc. I, n. 151. — Peritheciis *Leptosphaeriæ rubrotinctæ* [cujus verisimiliter est pycnidium] similibus, et ab iis vix distinguendis; sporulis oblongis, obtusis, rectis vel vix curvulis, 3-septatis, obscure brunneis. 6064

Hab. in ramulis emortuis Staphyleæ trifoliæ in America boreali.

5. **Hendersonia Tamaricis** Cooke in Grevillea XIV, p. 5. — Peritheciis laxè gregariis, cuticula elevata tectis, subglobosis, vix papillatis; sporulis ellipticis, utrinque leniter attenuatis, triseptatis, non constrictis, pallide brunneis, $18-20 \approx 7$. 6065

Hab. in ramulis Tamaricis gallicæ, Kew Britanniæ. —

Var. **Elæagni** Cooke l. c.: peritheciis minoribus, minus gregariis; sporulis ut in typo. In ramis Elæagni, Kew Britanniæ.

6. **Hendersonia Berberidis** Fautrey in Rev. Myc. 1890, p. 166. — Peritheciis subcutaneis, nigris, globoso-depressis, vix papillatis, poro pertusis; sporulis cylindræis utrinque rotundatis, ex olivaceo fuligineis, 7-9-septatis, $30-36 \approx 4-5$. 6066

Hab. in ramulis adhuc vivis Berberidis, Beaune, Côte-d'Or Galliæ.

7. **Hendersonia corticalis** E. et Ev. North. Am. fungi n. 1377. — Exemplaria Ellisiana in meo herbario *Phomam* sistunt (sporulis oblongis, 2-guttatis, $6 \approx 1,5$). 6067

Hab. in cortice relaxato trunci Vitis viniferæ, Newfield Amer. bor. — Diagnosim non inveni.

8. **Hendersonia Coriariæ** Brun. Suppl. Sphæroid. p. 3. — Peritheciis 6068

sparsis, globulosis tectis, dein erumpentibus, poro pertusis, nigris v. brunneo-nigris, membranaceis; sporulis ellipsoideis v. ovoideo-oblongis, utrinque obtusis, rectis v. curvulis, 3-septatis, brunneis, 17-23 \approx 6-7.

Hab. in ramis emortuis *Coriariæ myrtifoliæ*, Saintes Galliæ.

9. **Hendersonia hedericola** Fautrey in Rev. Myc. 1890, p. 166. — 6069

Peritheciis superficialibus, globulosis, collabascentibus, nigris, papillatis; sporulis elongatis, 9-14-septatis, 36-48 \approx 4-6, maturitate olivaceis et ad septa constrictis.

Hab. in truncis vetustis *Hederæ*, Noidan, Côte-d'Or Galliæ.

10. **Hendersonia Coronillæ** Cooke in Grevillea XII, p. 97. — Perithe- 6070

ciis sparsis vel gregariis, cuticula leniter elevata tectis, subglobosis vel depressis; sporulis primo uniseptatis, ellipticis, brunneis, 12 \approx 6, dein elongatis, constrictis, leniter curvatis, triseptatis, 18 \approx 7.

Hab. in ramulis *Coronillæ Emeri* et *Baccharidis halimifoliæ*, Kew Britannia.

11. **Hendersonia obscura** Pass. in Brun. Miscell. mycol. p. 18. — Pe- 6071

ritheciis minutis, erumpentibus, vix papillatis et subinde umbilicatis, hinc inde aggregatis et stromate intertexto-filamentoso fuligineo insidentibus; sporulis ellipsoideis v. subfusoides, 3-5-septatis, plus minus constrictis, brunneis, 12-17 \approx 5-7; basidiis filiformibus, longis, cito evanescentibus.

Hab. in ramis emortuis *Robinia Pseudacaciæ*, Clermont-Ferrand Galliæ.

12. **Hendersonia Rosæ** Kickx Fl. Myc. Fl. t. I, pag. 389. — Peri- 6072

theciis sæpius sparsis, maculis pallidis insidentibus, parvis, nigris, prominentibus, epidermide tectis; sporulis ellipsoideis, triseptatis, brunneis, ad septa leniter constrictis.

Hab. in ramis emortuis delapsis *Rosarum* in Belgio.

13. **Hendersonia subcorticia** Passer. Diagn. F. N. V, n. 40. — Pe- 6073

ritheciis superficialibus, sparsis, minutis, subglobosis, atris; sporulis elongato-fusiformibus triseptatis, ad septa leniter constrictis, primo hyalinis, dein flavo-fuscis, loculo subultimo aliquantulum inflato 17,5 \approx 3,5-4; basidiis non visis.

Hab. in cortice secedente et adhuc stante *Piri Mali*, Baganzola prov. Parma.

14. **Hendersonia ambigua** Brun. Champ. Saint. p. 339. — Peritheciis 6074

sparsis vel adproximatis, tectis, dein erumpentibus, globoso-depressis, nigris, perforatis; sporulis oblongis, flavo-brunneis, 3-septatis, constrictis, 15-18 \approx 4,5-5.

Hab. in ramulis emortuis *Amelanchieris*, *Spirææ*, *Solani Dulcamaræ*, *Saintes*, *Pons Galliæ*. — Affinis *H. sarmentorum*, sed sporulæ longiores.

15. **Hendersonia Mespili** West., *Stagonospora Mespili* (West.) Sacc. Syll. III, p. 446. — Testibus cl. Bommer et Rousseau, sporulæ maturæ sunt fuliginæ, hinc non *Stagonospora*.

16. **Hendersonia Torminalis** Sacc. Syll. III, p. 429. — Var. **Ariæ** Br. 6075 et Har. Rev. Myc. 1891, p. 17. — Maculis epiphyllis, irregularibus, subcircularibus, brunneo-castaneis, non limitatis, 5-7 mm. diam.; peritheciis sparsis, lenticularibus, parvis, nigris, 180-200 μ . diam.; sporulis ovoideo-oblongis obtusiusculis, 3-septatis, vix vel non constrictis, loculis mediis brunneis, apicibus subhyalinis, 14-16 \approx 5-6.

Hab. in pag. sup. foliorum *Sorbi Ariæ*, *Trenay*, *Aube Galliæ* (P. HARIOT).

17. **Hendersonia conspurcata** Sacc. Bomm. et Rouss. Fl. myc. Belg. 6076 II, p. 37. — Peritheciis subglobosis, nigris, 730-790 μ . diam., cortice immersis et jugiter tectis, poro dehiscentibus; sporulis ovoideis vel oblongo-ellipsoideis, curvulis, valde inæqualibus, 1-3-septatis, 18-45 \approx 7-10, fuliginis, granulosis, ad septa non constrictis, paraphysibus v. basidiis (?) hyalinis, simplicibus 15-27 \approx 4 intermixtis.

Hab. in ramulis *Pruni Padi*, *Groenendael Belgii*, sociâ *Massarîâ conspurcatâ*, cujus certe est pycnidium. — Ad subg. *Sporocadum* Sacc. spectat.

18. **Hendersonia cerasella** Prill. et Delacr. Bull. Soc. Myc. 1891, 6077 p. 21, t. III, f. VII. — Peritheciis subcutaneis, fuscis, 135 μ . circ. globosis, poro papillato, 15 μ . lat.; mycelio endophyllo, parco, hyalino; sporulis dilute fuscis, 4-septatis, utrinque rotundatis, rectis v. curvulis, ad septa constrictis, 22-24 \approx 9-10; basidiis minutis.

Hab. ad folia emortua *Cerasi avium*, maculam sterilem *Corynei Beijerinckii* incolens, *Beaune*, *Côte-d'Or Galliæ*.

19. **Hendersonia Punicæ** Passer. Diagn. F. N. IV, n. 67. — Peritheciis 6078 sparsis v. subgregariis, globosis, atris, per epidermidem longitudinaliter fissam erumpentibus; sporulis ellipsoideis vel piriformibus, triseptatis, ad septa crassiuscula fusca, ceterum fumosis, 12,5 \approx 5; basidiis filiformibus, hyalinis, sporulâ longioribus.

Hab. in ramulis emortuis *Punicæ Granati*, *Vigheffio Parma*.

20. **Hendersonia Camelliæ** Pass. in Rev. Myc. 1887, p. 146. — Peri- 6079 theciis sparsis, tectis, atris, ostiolo minuto, conico, erumpente; spo-

culis ellipsoideis, 3-septatis, castaneo-fuscis, 7,5-10 \approx 5; basidiis non visis.

Hab. in ramulis aridis vel subvivis *Camelliæ japonicæ*, cultæ Parma Ital. bor.

21. **Hendersonia Rubi** West. Sacc. Syll. III, p. 424. — Forma **Loniceræ** Brunaud in Rev. Myc. 1886, p. 141: sporulis 18-20 \approx 6-8, rectis v. vix curvis, ad septa constrictis. 6080

Hab. in sarmentis emortuis *Loniceræ Caprifolii*, Saintes Galliæ. — Forma **Vitis** Br. l. c.: sporulis 15-18 \approx 8, ad septa constrictis. In sarmentis emortuis *Vitis viniferæ*, Saintes Galliæ. — Forma **Rubi Idæi** Br. l. c.: sporulis ellipsoideis vel oblongo-subclavatis, 18-20 \approx 8, ad septa constrictis. In sarmentis emortuis *Rubi Idæi*, Saintes Galliæ.

22. **Hendersonia sarmentorum** West. — Syll. III, pag. 420. — Var. **galiicola** Passer. Diagn. F. N. IV, n. 68. — Peritheciis sparsis, subcutaneis, fuscis; sporulis ellipsoideis, fuscidulis, triseptatis, 12 \approx 5; basidiis non visis. 6081

Hab. in caulibus siccis *Galii Aparines* Parma Ital. bor. — Var. **laurina** Cooke in Grevillea: sporulis 18 \approx 5. In *Lauro nobili*, Kew Brit. Verisimiliter ad speciem novam referenda sporulis quam in typo multo longioribus. — Var. **Forsythiæ** Brun. in Rev. Myc. 1886, p. 142: sporulis rectis vel paullo curvatis, 12-14 \approx 5. In ramis emortuis *Forsythiæ viridissimæ*, Saintes Galliæ.

23. **Hendersonia syringæcola** Brun. Champ. Saint. p. 339. — Peritheciis sparsis v. adproximatis, minutis, nigris, subcutaneo-erumpentibus, globulosis vel globoso-depressis, perforatis; sporulis oblongis, 18 \approx 8-9, e flavo subfuligineis, 3-septatis, subconstrictis. 6082

Hab. in fructibus siccis *Syringæ vulgaris*, Pons Galliæ.

24. **Hendersonia Ligustri** Rich. Cat. Champ. Marn. n. 1707. — Peritheciis subcutaneis; sporulis in massam expulsis. 6083

Hab. in ramis *Ligustri vulgaris*, St. Amand Galliæ.

25. **Hendersonia hapalocystis** Cooke Grev. XVIII, p. 74. — Peritheciis sparsis, immersis, vix visibilibus; sporulis majusculis, 45-50 \approx 18, 4-ocularibus; loculis mediis latioribus, protuberantibus, atrobrunneis, fere nigris; loculis extimis minutis, hyalinis, sæpius apiculiformibus. 6084

Hab. in ramis tenellis *Fraxini* pr. Bristol Britannicæ. — Ad subgen. *Sporocadum* Sacc. spectat.

26. **Hendersonia epixyla** Malbr. et Brun. Sphærops. pag. 3. — Pe- 6085

ritheciis minutis, globuloso-collabentibus, superficialibus, nigris, ostiolo obsoleto perforatis, aggregatis maculamque nigram formantibus; sporulis ellipsoideo-oblongis, utrinque obtusis, 2- raro 3-septatis, ad septa vix constrictis, 15-20 \approx 3,5-4, fuligineis.

Hab. in ligno decorticato Fraxini excelsioris, Saintes Gallia. — Ob perithecia superficialia, lignicola ad subg. *Hendersoniellam* Sacc. spectat.

27. **Hendersonia Tini** Ell. et Langl. Journ. Myc. 1890, p. 37. — Ma- 6086
culis latis, 2-3 cm., cinereis, purpurascenti-marginatis; peritheciis amphigenis, punctiformibus, innato-erumpentibus; sporulis fusoides, nucleolatis, subrectis, pallide stramineo-flavis, 22-27 \approx 2,5.

Hab. in foliis subvivi Viburni Tini, Lafayette La. Amer. bor. — Ad *Septoriam* vergit.

28. **Hendersonia Fiedleri** West. Sacc. Syll. III, p. 421. — Var. **Sym- 6087**
phoricarpi Cooke in Grevillea. — Sporulis triseptatis, 18 \approx 4, pallide coloratis.

Hab. in sarmentis Symphoricarpi racemosæ, Kew, Swanscombe Brit.

29. **Hendersonia Periclymeni** Oud. Contr. Mycol. XIII, pag. 47, t. 8, 6088
f. 29. — Peritheciis sparsis, nigris, subcarbonaceis, compressis, 0,5 mm. diam., inter fibras corticales nidulantibus, ostiolo manifesto, peridermium atratum perforante; sporulis numerosis, cylindraceis rectis curvulisve, utrinque rotundatis, 3-septatis, leniter constrictis, 18-28 \approx 3,5-7, pallide badiis.

Hab. in trunco ramisque adhuc vivi Lonicerae Periclymeni, Schéveningue (Dom. DESTRÉE).

30. **Hendersonia concentrica** Ell. et Ev. Journ. Myc. 1889, p. 149. 6089
— Maculis marginalibus, 1-2 cm. lat., zonis alternate pallidis fuscisque variegatis, margine definito, haud elevato, acervulis erumpentibus, nigris; sporulis fusoides-oblongis, pallide brunneis, 3-septatis, 12-15 \approx 3; basidiis gracilibus, 20-30 μ . longis.

Hab. in foliis vivi Rhododendri catawbiensis, Roan Mountains North Carolina Amer. bor. (F. L. SCRIBNER). — In Rhodod. maximo ex eodem loco fungus occurrit in areis majoribus obsoletius zonatis.

31. **Hendersonia stictica** Lév. in An. Sc. Nat. 1863, p. 299. — Pe- 6090
ritheciis gregariis, epiphyllis, punctiformibus, prominulis, convexis, basi applanatis, intus extusque nigris, macula albida, limitata insidentibus; basidiis simplicibus; sporulis ovato-fusiformibus, incolore, 3-5-septatis, diametro quadruplo quintuplove longioribus.

Hab. ad folia *Thibaudia rupestris*, Bogota, Monserrate Novæ Granatæ.

32. **Hendersonia Daphnes** Pass. Fung. Gall. novi in Journ. d'Hist. nat. 1885, n. 4, pag. 16. — Maculis indeterminatis, expallentibus; peritheciis sparsis, nigris, punctiformibus, exiguis, initio epidermide velatis; sporulis primo oblongis, integris, hyalinis, tandem tri-septatis; loculis duobus intermediis fuscis, terminalibus acutiusculis, hyalinis, 15-20 = 5.

Hab. in foliis *Daphnes indicæ* pr. Saintes in Gallia (BRUNAUD).

33. **Hendersonia bicolor** Pat. in Rev. Myc. 1886, p. 182. — Maculis epiphyllis, sæpe orbicularibus, cinereis, margine ruguloso cinctis; peritheciis vix prominulis, nigris, lucidis; sporulis ovoideis, 8-12 = 5-6, utrinque parum curvatis, biseptatis, loculis duobus rufis, alio hyalino attenuatoque.

Hab. in foliis *Rhododendri*, Yunnam Sinarum (AB. DELAVAY).

34. **Hendersonia Platani** Rich. Cat. Champ. Marn. n. 1708. — Peritheciis subcircinatim dispositis.

Hab. in ramis *Platani*, Ablancourt Gallia.

35. **Hendersonia Davisii** Ell. et Ev. Journ. Myc. 1889, pag. 149. — Maculis latis, folii superiorem partem omnino occupantibus, atro-brunneis; peritheciis plerumque epiphyllis, gregariis, nigris, erumpentibus, 125-150 μ . diam., mox ob sporulas eructatas absconditis; sporulis obovato-oblongis, atro-olivaceis, 3-septatis, 10-12 = 3-3,5.

Hab. in foliis partim emortuis *Caryæ albæ*, Racine Wis. Amer. bor. (J. J. DAVIS).

36. **Hendersonia samararum** Brun. Miscell. Mycol. p. 18. — Peritheciis sparsis, globulosis v. globoso-depressis, atris; sporulis oblongo-ellipsoideis, 3-septatis, non constrictis, pallide fuligineis, 15-18 = 4,5-5, loculo infero hyalino.

Hab. in samaris *Ailanthi glandulosæ*, Saintes Gallia.

37. **Hendersonia Celtidis** Ell. et Ev. Journ. Myc. 1888, pag. 102. — Peritheciis erumpentibus, sparsis, epidermide rupta cinctis, minutis, subinde depressis; sporulis clavato-oblongis v. subfusoideo-oblongis, flavidis, 3-7-septatis, ad septa plerumque constrictis, 15-25 = 4-5, utrinque obtusis.

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

38. **Hendersonia Planeræ** Cooke et Mass. Grev. XVI, p. 78. — Pe-

ritheciis sparsis, erumpentibus, subglobosis, atris, peridermio fisso diu tectis; sporulis ellipsoideis, utrinque rotundatis, triseptatis, leniter constrictis, brunneis, $30 \approx 10-12$.

Hab. in ramis Planeræ, Kew, London Britannia. — *H. vaganti* proxima.

39. **Hendersonia punctoidea** Karst. Sphærops. Fenn. p. 36. — Peritheciis sparsis, cortice immersis, erumpentibus, sphæroideo-applanatis, atris, punctiformibus; sporulis oblongatis v. elongatis, rectis, 1-3-septatis, dilute fuliginis, $11-15 \approx 5$. 6098

Hab. in cortice levi Betulæ albæ in Alandia (EDW. NYLANDER). — *Hend. exiguae* affinis.

40. **Hendersonia populina** Passer. Diagn. F. N. IV, n. 69. — Maculis epiphyllis, discoideis, griseo-albidis, interdum confluentibus; peritheciis sparsis, tectis, globosis; sporulis ellipticis, utrinque subacutis, triseptatis, non constrictis, fuscidulis, $12,5 \approx 5$. 6099

Hab. in foliis languidis Populi albæ, Vigheffio pr. Parma.

41. **Hendersonia candida** Passer. Diagn. F. N. V, n. 41. — Maculis epiphyllis, discoideis, arescendo candidis; peritheciis punctiformibus, vertice erumpentibus; sporulis numerosis, fusiformibus, 7-9-septatis, olivaceis, $33-44 \approx 5-6$. 6100

Hab. in foliis languentibus Populi albæ, sociâ *Septoriâ candidâ*, Vigheffio, Parma.

42. **Hendersonia Juniperi** Rich. Cat. Champ. Marn. n. 1706 (absque diagnosi *). 6101

Hab. in ramulis Juniperi communis, sociâ *Diplodiâ Juniperi*, St. Amand Gallia.

43. **Hendersonia conorum** De Lacr. — Syll. III, p. 430. — Teste Cellotti Mic. Montp. p. 26, sporulæ $15-18 \approx 6-8$. Nascitur quoque in strobilis Abietis, Montpellier Gallia.

44. **Hendersonia acuum** Karst. Symb. XVII, p. 162. — Peritheciis sparsis, superficialibus, ellipsoideis, subastomis, atris, 0,2 mm. long., sporulis oblongo-ovoideis, medio vulgo angustatis apiceque attenuatis, 3-septatis, ad septa haud constrictis, $15-16 \approx 6$, dilute fuliginis, loculo imo subhyalino; basidiis subramosis, filiformibus, $46 \approx 1,5$. 6102

Hab. in foliis emortuis Pini silvestris pr. Aboa Fennia.

*) Nomina nuda mycetum in Richonii Catalogo sæpius occurrentia, ut evidens est, nihil valent, sed ea retuli sperans auctorem diagnoses suas proxime prolaturum.

II. In Dicotyledoneis herbaceis.

45. **Hendersonia Arabidis** Rost. Fung. Groenl. p. 571. — Peritheciis 6103
minutis, hemisphæricis, papillatis, atris; sporulis numerosis, initio
continuis, hyalinis, guttulatis, dein 3-septatis, fuscis, 20-28 \approx 3-4,
cylindræo-fusoideis.

Hab. in caulibus Arabidis Helbollii, Pingo-Field Groenlandiæ (JENSEN).

46. **Hendersonia Aconiti** Rich. Cat. Champ. Marn. n. 1704. — Spo- 6104
rulis brunneis et breve pedicellatis.

Hab. in petiolis Aconiti in hortis St. Amand Galliæ.

47. **Hendersonia Thalictri** Pat. in Rev. Myc. 1886, p. 83. — Peri- 6105
theciis minutis, rugosis, epidermide tectis, mycelio repente cinctis,
setis 5-6, rigidis, 45-60 μ . longis acutis; sporulis elongatis, rufis,
septatis, septis, constrictis, 9-11 \approx 2.

Hab. in caulibus emortuis Thalictri in Sinis (PARNY).

48. **Hendersonia Hyperici** Rich. Cat. Champ. Marn. n. 1705 (absque 6106
diagnosi).

Hab. in caulibus Hyperici perforati in silvis St. Amand Galliæ.

49. **Hendersonia papillata** Pat. Journ. Bot. 1888, p. 150. — Perithe- 6107
ciis punctiformibus, nigris, subcutaneo-erumpentibus, 0,5 mm. d.;
sporulis numerosis, ovoideis, basi truncatis, apice hyalino-apicula-
tis, 2-septatis, vix constrictis, brunneis, 20 \approx 10, loculo medio ce-
teris paullo angustiore.

Hab. in caulibus emortuis Lespedezæ Yunnan Sinarum (Ab. DELAVAY).

50. **Hendersonia tenella** Schroet. Pilze Labrad. p. 19. — Peritheciis 6108
sparsis, minutis, nigris; sporulis fusoideis, hinc inde curvulis, 3-
septatis, olivaceo-brunneis, 20-25 \approx 3-4, utrinque obtuse rotundatis.

Hab. in foliis emortuis Alsines vernæ v. hirtæ, Okak in Labrador (E. WENCK).

51. **Hendersonia Phlogis** Brun. Esp. Sphærops. p. 3. — Peritheciis 6109
sparsis vel adproximatis, globulosis, nigris, subcutaneo-erumpenti-
bus, perforatis; sporulis ovoideo-oblongis, 3-septatis, ad septa con-
strictis, 15 \approx 4-5, flavis.

Hab. ad caules emortuos Phlogis paniculatæ, Saintes Galliæ.

52. **Hendersonia Epilobii** Fautrey in Rev. Myc. 1889, p. 152. — Pe- 6110
ritheciis seriatim dispositis, oblongis, epidermidem maculantibus,

poro pertusis; sporulis ovoideo-oblongis, 3-septatis, 12-16 × 5-6, flavis; basidiis hyalinis usque 24 = 2.

Hab. in caulibus *Epilobii tetragoni*, Noidan, Côte-d'Or Galliæ.

53. **Hendersonia Marrubii** Brun. Champ. Saint. p. 339. — Peritheciis 6111
sparsis, globulosis, nigris, perforatis; sporulis oblongis, 3-septatis,
constrictis, 14 = 5, brunneis.

Hab. in caulibus emortuis *Marrubii vulgaris*, Saintes Galliæ.

54. **Hendersonia Acanthi** Pat. in Rev. Myc. 1886, p. 182. — Peri- 6112
theciis epidermide tectis, minutis, ostiolo lato apertis; sporulis pri-
mo viridulis, continuis, dein rufo-brunneis, 3-septatis, 16-20 = 6-8.

Hab. in caulibus emortuis *Adathodæ*, Yunnan Sinarum (AB. DELAVAY). — Verisimiliter status pycnidicus *Leptosphæriæ Acanthi*.

55. **Hendersonia varians** Cooke et Hark. in Grevillea XIII, p. 112. 6113
— Caulicola; peritheciis gregariis, erumpentibus, demum seminu-
dis, depresso-globosis, atris; sporulis ovalibus, uniseptatis dein bi-
vel triseptatis, magnitudine variabilibus, brunneis, subopacis, 12-
15 = 7,5, non constrictis.

Hab. in caulibus *Sphaceliæ* in California (HARKNESS). — Af-
finis *H. diversisporæ* sed ab ea distinguenda.

56. **Hendersonia heterophragmia** Ell. et Ev. Journ. Myc. 1889, p. 149. 6114
— Peritheciis erumpentibus, superficialibus, subseriatis, globosis,
collabascentibus, 0,7 mm. diam., ostiolo papillato; sporulis ellipsoi-
deis vel elliptico-oblongis, brunneis, 1-3-septatis, 12-16 = 5-7.

Hab. in ramulis emortuis *Sarcobati vermiculati* prope
Great Falls, Mont. Amer. bor. (ANDERSON).

III. In Monocotyledoneis, Acotyledoneis et in fimo.

57. **Hendersonia monspeliensis** Celotti Mic. Montpell. p. 27. — Pe- 6115
ritheciis sparsis, globosis, superficialibus, nigris, ostiolo brevi in-
structis, 0,3 mm. diam.; sporulis cylindricis, utrinque acutis, 6-7-
septatis, 25-28 = 5-7, guttulatis, brunneis.

Hab. in foliis aridis *Sabaleos Palmetto*, Montpellier Galliæ.

58. **Hendersonia Sabaleos** Ces. — Syll. III, p. 434. — Var. **Phœni-** 6116
cis Sacc. n. v.: sporulis cylindræo-oblongis, utrinque rotundatis,
3-septatis, leniter constrictis, fuliginæis, 12-4-5.

Hab. in foliis *Phœnicis dactyliferæ*, Coimbra Lusitanæ
(MOLLER, una cum *Coniothyr. Palmarum* in Myc. Univ. n. 1482).

59. **Hendersonia peregrina** Fautr. Rev. Myc. 1892, p. 8. — Perithe- 6117

ciis exiguis, sparsis, hinc inde aggregatis, nitide nigris, emergentibus, dein superficialibus; sporulis cylindræis, obtusule attenuatis, rectis v. subflexuosis, flavidis, 3-septatis, 20-29 \approx 3.

Hab. in pinnis foliorum Phœnicis dactyliferæ in cistam (*couffin*) contextis, quæ ex Algeria allata fuit.

60. **Hendersonia Bromeliæ** Pat. Bull. Soc. Myc. 1888, p. 123. — Pe- 6118
ritheciis fragilibus, nigris, carbonaceis, hinc inde aggregatis maculasque latas atras formantibus; sporulis cylindræis, 8-9 \approx 5, obtusis, utrinque rotundatis, 3-septatis, loculo medio brunneo, ceteris subhyalinis.

Hab. in foliis Bromeliæ cujusdam, Puerto Zamuro Venezuelæ.

61. **Hendersonia microsticta** Berk. in Crypt. Antarct. p. 58, t. 68, 6119
f. 1. — Peritheciis minutis, nigris, globosis, epidermide obtectis; sporulis pellucidis, irregularibus, plerumque lanceolatis, utrinque acutis, 3-septatis.

Hab. in caule dealbato Chrysobactri Rossii et in scapis Antherici in regione antarctica (HOOKER).

62. **Hendersonia asparagina** Fautrey Rev. Myc. 1889, p. 68. — Pe- 6120
ritheciis numerosis, punctiformibus, nigris, poro pertusis; sporulis ellipsoideis, obtusis, flavidis, triseptatis, 22-25 \approx 4, basidiis hyalinis suffultis.

Hab. in caulibus siccis Asparagi officinalis, Noidan, Côte d'Or Galliæ. — «An eadem ac *H. Asparagi*?»

63. **Hendersonia Asparagi** Passer. Diagn. F. N. IV, n. 70 (1888). — 6121
Peritheciis in maculis albidis punctiformibus, atris; sporulis subcylindricis, 3-septatis, melleis, 22,5 \approx 2,5-3.

Hab. in caulibus Asparagi officinalis in horto botanico, Parma. — An pycnidium *Leptosphæriæ punctoidæ* Karst. in iisdem caulibus obviæ?

64. **Hendersonia scirpicola** Cooke et Hark. in Grevillea. — Culmi- 6122
cola; peritheciis minutis, punctiformibus, atris, semiimmersis, pertusis; sporulis cylindræis, utrinque rotundatis, triseptatis, constrictis, fuscis, 20 \approx 5.

Hab. in culmis Scirpi, in California (HARKNESS).

65. **Hendersonia heterospora** Passer. Diagn. F. N. IV, n. 66. — Pe- 6123
ritheciis sparsis, sæpe seriatim digestis, primo tectis, dein erumpentibus, innatis, subglobosis, atris, contextu membranaceo, celluloso, fuscidulo; sporulis castaneo-fuscis, longitudine varia, brevioribus navicularibus, triseptatis, 12 \approx 5, immixtis, longioribus fusiformibus, 3-5- raro 7-septatis, 18-20 \approx 5.

Hab. in vaginis emortuis Phragmitis communis, Vigheffio pr. Parma.

66. **Hendersonia leptospora** Trail Trans. Crypt. Scot. 1889, p. 45. — 6124

Peritheciis innatis, sparsis, ostiolo breviter papillato; sporulis clavato-fusoideis 10-13 \approx 2, pallide brunneis, 3-septatis, eguttulatis.

Hab. in foliis emortuis Phragmitis communis ad ripas Loch Achray Scotiæ.

67. **Hendersonia sparsa** Wint. in Hedw. 1885, I. — Peritheciis spar- 6125

sis, immersis, depressis vel subglobosis, ostiolo demum late aperto erumpentibus, atris, membranaceis, 150-180 \approx 90-120; sporulis oblongo-subcylindricis, utrinque rotundatis, rectis, biseptatis, ad septa non vel vix constrictis, pallidissime dilutissimeque nigricantibus, 12-14 \approx 4.

Hab. in spathis aridis Bobartiæ spathaceæ in monte Tabulari Promont. Bonæ Spei (MAC-OWAN).

68. **Hendersonia hirta** Schroet. Hedw. 1890, p. 61. — Peritheciis 6126

globosis, 0,3 mm. diam., hyphis deflexis, 3-4 μ . cr., vestitis; ostiolo brevi globuloso; sporulis fusoideis utrinque obtuse tenuatis, curvulis, 7-septatis, 24-28 \approx 3-4, læte flavo-brunneis.

Hab. in culmis vetustis Setariæ verticillatæ, Belgrad Serbiæ (WOJNOWIC). — Ob perithecia vestita species hæc aptius habenda est ut novi generis typus (**Wojnowicia** Sacc.).

69. **Hendersonia Luzulæ** West. -- Sec. cl. Bomm. et Rouss. (Contr.

Myc. Belg. IV, p. 287) species hæc est phæospora, hinc non *Stagonospora* ut ex diagn. West. autumaveram (Syll. III, p. 451). Sporulæ maturæ sunt cylindræ, brunneæ, triseptatæ, haud constrictæ, 15 \approx 3-4.

70. **Hendersonia culmifraga** Fautr. Rev. Myc. 1892, p. 9. — Perithe- 6127

ciis compressis, seriatim elongatis, tectis, dein erumpentibus, 0,2-0,5 mm. longis; sporulis cylindræ, attenuatis, rectis, 3-septatis, guttulatis, flavis, 15-20 \approx 2-3.

Hab. in culmis Uniolæ latifoliæ in hortis, Noidan, Côte-d'Or Galliæ.

71. **Hendersonia calospora** Fautr. Rev. Myc. 1892, p. 9. — Perithe- 6128

ciis amphigenis, tectis, papillatis, griseo-flavidis; sporulis fusoidis, medio inflatis, flexuosis, flavis, 6-7-septatis, constrictis, 55-65 \approx 6.

Hab. in foliis Uniolæ latifoliæ in horto botanico, Noidan, Côte-d'Or Galliæ. — Adsunt ibidem var. in *Poa sudetica* et *Ammophila* (in hac spor. 7-8-septatæ, 40-70 \approx 5-6).

72. **Hendersonia Stipæ-pennatæ** Fautrey Rev. myc. 1889, p. 134. — 6129
Peritheciis sparsis v. 3-5 congregatis, poro exiguo pertusis; sporulis cylindræis, obtusis, flavis, (in perith. sparsis) 7-septatis 32-36 \approx 4-5, (in perith. congregatis) 5-septatis, 20-25 \approx 4.

Hab. in foliis Stipæ pennatæ in rupibus Noidan, Côte-d'Or Galliæ. — Perithecia intra folia plicata occurrunt; hinc folia longitrorsum findenda sunt, ut perithecia pateant.

73. **Hendersonia Agropyri** Rostr. Fung. Groenl. p. 571. — Peritheciis magnis, gregariis; sporulis fusoidæo-cylindræis, distincte 3-septatis, 25-35 \approx 6-8, fuliginæis. 6130

Hab. in culmis vaginisque Agropyri violacæi, Ikertok ved Holstensborg Groenlandiæ.

74. **Hendersonia Equiseti** Trail in Scot. Nat. I, p. 76. — Peritheciis tectis, ostiolo minuto sphæricis, circ. 180 μ m. diam.; sporulis pallide brunneis, fusiformibus vel cylindræis, utrinque obtusis, 12-20 \approx 2-3, triseptatis. 6131

Hab. in caulibus emortuis Equiseti, Aberdeen Scot.

75. **Hendersonia trabicola** Sacc. Syll. III, p. 441 — var. **stercorea** 6132
March. Champ. copr. VI, p. 11. — Sporulis minoribus, olivæo-hyalinis, 9 \approx 3,7, rarius 12 \approx 3,7, uni- vel tri-septatis.

Hab. in ligno stercoreato, Aerschot Belgii.

COUTUREA Cast. — Syll. III, p. 442.

1. **Couturea dimerosporioides** Speg. F. Guar. II, n. 175. — Mycelio epiphylo, arctiuscule matrici adnato, tenuissimo, late vageque serpente, plus minus obscure olivæo, ex hyphis tenuissimis, 3-3,5 μ cr., flexuosis, longissimis, laxè ramuloso-intertextis, olivæis, septulatis composito; peritheciis sparsis, globulosis, 60-80 μ diam., siccis, collabascentibus, hyphis paucis, radiantibus vestitis, atris, subverruculosis, coriacellis; contextu indistincto, olivæo; sporulis fusoidæis, rectis v. curvulis, utrinque acutato-obtusatis, 28-34 \approx 9-10, 3-5-septatis, loculis omnibus subæquilongis v. tertio v. quarto supero longiore subcrassioreque, fuliginæis; basidiis hyalinis, 5-10 \approx 2. 6133

Hab. ad folia viva Billbergiæ v. Pitcairniæ cujusdam in silvaticis pr. Paraguari Brasilæ. — Status stylosporicus *Asteridii dimerosporioidis* Speg.

2. **Couturea biseptata** Speg. F. Puigg. n. 423. — Peritheciis hypophyllis, gregariis, superficialibus, fibrillis mycelialibus (obsoletis?) atris, flexuosulis, 4-6 μ cr., parcissimis cinctis, globosis, 100-150 6134

$\mu.$ diam., astomis, nigris; sporulis elliptico-lanceolatis, 2-septatis, 40-45 \approx 14-15, hyalinis dein rufescentibus; basidiis concoloribus, 5-10 \approx 4-5.

Hab. ad folia subcoriacea viva plantæ ignotæ cujusdam in dumetis prope Apiahy Brasilæ. — An huc *Meliola cymbisperma*?

CRYPTOSTICTIS Fuck. — Syll. III, p. 443.

1. **Cryptostictis sarmenticia** Bomm. Rouss. Sacc. Contr. Myc. Belg. 6135
IV, p. 288. — Peritheciis sparsis, subcutaneis, erumpentibus, globulosis, glabris, poro pertusis, 160-255 $\mu.$ diam.; sporulis anguste clavatis, curvulis, 4-6-septatis, hyalinis, loculo supero in rostrum tenue, curvum producto, loculo infero acuminato, 33-42 \approx 4,5-5.

Hab. in sarmentis Clematidis Vitalbæ, Yvoir Belgii. — Pycnidium *Rebentischicæ unicaudatæ*. Sporulis hyalinis (semper?) a typo generis desciscit.

Sect. 6. Hyalophragmiæ.

STAGONOSPORA Sacc. Syll. III, p. 445.

I. In Dicotyledoneis lignosis.

1. **Stagonospora Sumacis** Pass. in litt. Brunaud in Rev. Myc. 1886, 6136
p. 142. — Maculis hypophyllis, brunneo-rufis; peritheciis sparsis vel subgregariis, prominulis, subglobosis, nigris; sporulis ovoideis, 3-septatis, hyalinis, 15 \approx 5.

Hab. in foliis languescentibus Rhois glabræ, Saintes Galliæ.

2. **Stagonospora rhoïna** Br. et Har. Rev. Myc. 1891, p. 17. — Pe- 6137
ritheciis sparsis, orbicularibus v. punctiformibus, subirregularibus, applanatis, semiimmersis, nigris, 200-300 $\mu.$ diam.; sporulis tereti-oblongis, subinde clavulatis, obtusis, 3-4-septatis, ad septa constrictis, hyalinis, guttulatis, 14-18 \approx 6-7.

Hab. in cortice Rhois typhini, Clermont-Ferrand, Puy-de-Dôme Galliæ (HÉRIBAUD).

3. **Stagonospora Ilicis** Grove in Add. Syll. n. 4468. — Peritheciis 6138
hypophyllis, sparsis v. subinde binis ternisve aggregatis, nigris, globoso-lenticularibus, epidermide, demum poro parvo pertusa, velatis; sporulis parvis, cylindraco-fusoideis, utrinque subacutis, 3-septatis, hyalinis v. in massam collectis dilutissime olivaceis, 14-17 \approx 2-3.

Hab. in foliis *Ilicis Aquifolii*, Warley Woods, prope Birmingham Britanniae. — Sporulæ subinde 20 μ . longæ.

4. **Stagonospora Myricæ** Ell. et Ev. Journ. Myc. 1888, pag. 103. — 6139
Peritheciis hypophyllis, sparsis, erumpenti-superficialibus, depressis, nigris, lucentibus, supra pertusis, 70-80 μ . diam.; sporulis cylindræis, hyalinis, rectis, utrinque rotundatis, 18-22 \times 2,5-3, basidiis brevissimis suffultis.

Hab. in foliis dejectis *Myricæ ceriferæ*, sociis *Sphærellâ Myricæ* et *Gnomoniâ Myricæ*, Newfield, N. J. Amer. bor.

5. **Stagonospora orbicularis** Cooke Grev. XX, p. 6. — Maculis parvis, 5 mm. diam., orbicularibus, pallidis, brunneo-cinctis, amphigenis; peritheciis 3-5 in centro maculæ, epidermide dein rupta tectis, globoso-depressis, nigris; sporulis fusiformibus, utrinque acutis, curvis, 3-5-septatis, ad septum constrictis, 60-70 \times 8, hyalinis.

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

6. **Stagonospora Mali** Delacr. Bull. Soc. Myc. 1890, p. 141. — Peritheciis immersis, fuscis, minutis, 95 μ . diam.; sporulis fusoidæis, rectis, primum simplicibus, dein 1-septatis, demum 2-3-septatis, ad septa non constrictis, in cirrum longissimum exsurgentibus, 14-15 \times 2,5-3; basidiis rectis, minutis, 5 μ . circ. longis.

Hab. in foliis exsiccatis *Mali communis*, Mondoubleau, Loir-et-Cher Galliæ.

7. **Stagonospora Ulicis** Celotti Mic. Montpell. p. 27. — Peritheciis subgregariis, primum epidermide velatis, dein erumpentibus, globosis, nigris, 100-120 μ . diam.; contextu e cellulis fuliginæis, 7-8 μ . diam. formato; sporulis cylindræis, rectis, 20-25 \times 2-3, hyalinis, guttulatis, 3-4-septatis; basidiis brevissimis, 4-5 μ . long.

Hab. in *Ulice europæo*, Montpellier Galliæ.

8. **Stagonospora Virentis** Ell. et Mart. in Journ. of Myc. 1886, p. 120. — Peritheciis nigris, subglobosis, gregariis v. sparsis, hypophyllis, 130-160 μ . diam.; sporulis hyalinis, ovatis, utrinque acutis, uniseptatis, 15-16 \times 4-6.

Hab. in foliis *Quercus virentis*, Green Cove Springs in America boreali (Prof. F. L. SCRIBNER).

9. **Stagonospora septorioides** Ell. et Ev. Journ. Myc. 1888, p. 45. — Peritheciis innato-erumpentibus, parvis, hypophyllis; sporulis cylindræis, subhyalinis, 3-9-septatis, 15-23 \times 4, demum extra perithecia conglobatis.

Hab. in foliis emortuis *Quercus imbricariæ*, Starkville, Miss. Amer. bor. (TRACY).

10. **Stagonospora Castaneæ** C. Mass. Contr. Mic. Ver. p. 90, t. II, 6145

f. 14. — Peritheciis subgregariis, amphigenis, nitidis, minutis, subcutaneis, depresso-conicis, subastomis, circ. 150 μ . diam.; sporulis paraphysibus interpositis, sessilibus, cylindræis, utrinque rotundato-obtusis, 14-20 \approx 3, hyalinis, pluriguttatis, demum chlorinis, 1-vel (?)—pluriseptatis.

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

11. **Stagonospora ulmifolia** (Pass.) Sacc., *Hendersonia ulmifolia* Pass. 6146

in Myc. Univ. n. 1987. — Maculis discoideis parvulis, sparsis, candidis; peritheciis paucis, epiphyllis, punctiformibus, atris; sporulis fusiformibus, triseptatis, hyalinis, 13-17 \approx 3.

Hab. in foliis vivis *Ulmī campestris* in viridario publico, Parma.

12. **Stagonospora valsoidea** Sacc. et Briard in Rev. Myc. 1885. — 6147

Peritheciis globulosis, innatis, $\frac{1}{4}$ - $\frac{1}{3}$ mm. diam., epidermide nigrefacta tectis; sporulis numerosis, ovato-oblongis, subcylindræis, obtusissimis, 3-septato-constrictis, diu hyalinis, guttulato-granulosis, demum subfuligineis, pellucidis, 16-17 \approx 6-7; basidiis 12-16 \approx 4.

Hab. in ramulis emortuis *Platani orientalis*, Troyes Galliæ (BRIARD). — An potius *Hendersonia*?

13. **Stagonospora Fici** Passer. Diagn. F. N. IV, n. 117. — Perithe- 6148

ciis hypodermiis, subgregariis v. lineari-seriatis, pustulatim erumpentibus, tandem cortice consumpto, nudis, ligno insculptis, subglobosis, atris; contextu celluloso, olivaceo; ostiolo vario, papillari, crassiusculo aut compresso; sporulis fusiformi-subclavatis, rectis v. curvulis, triseptatis, hyalinis, 20-22,5 \approx 3; basidiis bacillaribus, subæquilongis.

Hab. in ramulo sicco decorticato *Fici Caricæ*, Parma Italiæ borealis.

14. **Stagonospora cupularis** Karst. Sphærops. Fenn. p. 32, *Diplodina* 6149

Karst. in Hedw. 1885, p. 73. — Peritheciis superficialibus, confertis vertice collapsis, cupuliformibus, ostiolo papillato, atris, glabris, opacis, minutis, circiter 0,3 mm. diam.; sporulis ellipsoideis, 1-5-septatis v. biguttulatis, hyalinis, 15-17 \approx 6-9.

Hab. in ligno secto betulino ad Mustiala Fenniæ.

15. **Stagonospora Pini** Grove New not. Fung. p. 8, n. 52. — Peri- 6150

theciis epiphyllis, tectis, sparsis, rotundatis, atris; sporulis pallide luteolis, singulis hyalinis, cylindræo-fusoideis, utrinque subobtusis, 1-dein 3-septatis, 16-20 \approx 3-4.

Hab. in foliis Pini silvestris, Hibernia Brit. (H. W. LETT).

16. **Stagonospora assans** Passer. Diagn. F. N. IV, n. 118. — Ma. 6151
 culis griseis, vagis, confluentibus, matricem obducentibus et tandem exaridis; peritheciis gregariis, tectis, minutis, pustuliformibus, atris; sporulis elongatis, utrinque rotundatis, uni-triseptatis, ad septa non v. levissime constrictis, dilutissime melleis, nunquam guttulatis visis, 10-12 \approx 2,5-3; basidiis non visis.

Hab. in Cerei et Echinocacti sp., quas necat, in horto botanico parmensi Ital. bor.

17. **Stagonospora Dulcamaræ** Passer. Diagn. F. N. IV, p. 42. — Pe. 6152
 ritheciis sparsis, solitariis v. paucis gregariis, concretescentibus, rugosulis, ad basim contractis, nigris; contextu celluloso, amœne cyaneo; sporulis fusiformibus, curvis, 5-septatis, hyalinis, 30 \approx 4.

Hab. in ramis emortuis Solani Dulcamaræ, Parma Ital. bor. — Probabiliter status pycnidicus *Gibberellæ* sp.

II. In Dicotyledoneis herbaceis.

18. **Stagonospora Anemones** Pat. in Rev. Myc. 1886, p. 181. — Pe. 6153
 ritheciis sparsis, $\frac{1}{2}$ -1 mm. diam., nigris, lucidis, primo epidermide tectis, demum liberis, ostiolo prominulo donatis; sporulis cylindraceis, uno apice vix attenuatis, hyalinis, rectis v. vix curvulis, 3-septatis, 26-30 \approx 3-4.

Hab. in petiolis emortuis Anemones, Yunnan Sinarum (AB. DELAVAY).

19. **Stagonospora Trifolii** Fautrey in Rev. Myc. 1890, pag. 167. — 6154
 Peritheciis innatis, papillatis, in macula grisea erumpentibus; sporulis cylindraceis, 3-septatis, hyalinis, guttulatis, 16-22 \approx 3-4.

Hab. in foliis Trifolii repentis, Noidan, Côte-d'Or Galliæ.

20. **Stagonospora Dearnessii** Sacc., *Stagonospora Trifolii* Ell. et Ev. 6155
 Prof. Acad. Phil. 1891, p. 82, an et Fautr.? — Maculis atro-brunneis, dein pallidioribus, magnis, folii venulis plus minus limitatis; peritheciis innatis, supra subprominulis, pallidis; sporulis cylindraceis, 2-4-guttatis, 12-20 \approx 3-4, hyalinis.

Hab. in foliis vivis Trifolii repentis, London Canada Amer. bor. (DEARNESS). — « An satis diversa a præcedente? ».

21. **Stagonospora Fragariæ** Br. et Har. Rev. Myc. 1891, p. 17. — 6156
 Maculis epiphyllis, brunneis, irregularibus, plus minus latis, uniformiter coloratis, inferne obsoletioribus; peritheciis sparsis innatis, punctiformibus, nigricantibus, 80-100 μ . diam., vix manifestis;

sporulis cylindræis, obtusis, rectis v. flexuoso-curvulis, 3-septatis, vix constrictis, hyalinis, minute guttulatis, 32-40 \approx 6-8.

Hab. in foliis *Fragariæ vescæ*, Ville-sur-Terre, Aube Galliæ.

22. **Stagonospora carpathica** Bäuml. F. Schemn. p. 3. — Maculis rotundatis vel irregularibus, arescendo dealbatis, fusco-marginatis; peritheciis sparsis, globulosis, 120-180 μ . diam.; contextu distincte parenchymatico, ochraceo-fuligineo; ostiolo incrassato; sporulis cylindræis, rectis v. inæqualiter flexuosis, utrinque rotundatis, 1-4-septatis, hyalinis, 14-20 \approx 4; basidiis 8-10 \approx 2, hyalinis. 6157

Hab. in foliis *Meliloti albæ*, Dolina pr. Prencow Hungariæ.

23. **Stagonospora Petasitidis** Ell. et Ev. Proc. Phil. Acad. 1891, pag. 81. — Peritheciis epiphyllis, sparsis, hemisphæricis, nigris, grosse parenchymaticis, levibus, supra late pertusis, circ. $\frac{1}{3}$ mm. diam.; sporulis clavato-cylindræis, guttulatis, dein 3-4-septatis, 55-70 \approx 5-6,5, hyalinis. 6158

Hab. in foliis viventibus *Petasitidis palmatæ*, London Canada Amer. bor. (J. DEARNES).

24. **Stagonospora Chiliotrichi** Speg. F. Fueg. n. 409. — Peritheciis sparsis, epiphyllis, immersis, non v. vix prominulis, lenticularibus, 80-90 μ . diam., tenui-membranaceis; contextu dense parenchymatico; ostiolo minuto, impresso; sporulis cylindræis, utrinque obtusiusculis, 15-20 \approx 2,5, rectis v. leniter inæquilateralibus, triseptatis, non constrictis, hyalinis. 6159

Hab. ad folia emortua *Chiliotrichi amelloidis* in pratis pr. Peuguin rookery in Staten island Fuegiæ.

25. **Stagonospora deplanata** Br. et Sacc. sp. nov. — Peritheciis dense gregariis e globoso patellato-depressis, minute papillatis, epidermide diaphana velatis, nigris, nitidulis, 120-160 μ . diam.; sporulis fusoides, curvulis, utrinque obtusiusculis, 16-24 \approx 3-4, typice 4-guttulatis, hyalinis; basidiis non visis. 6160

Hab. in caulibus siccis *Gentianæ luteæ*, Puy-de-Dôme Aube Galliæ.

26. **Stagonospora Chenopodii** Peck 40 Rep. p. 60. — Maculis paucis, latis, brunneis vel flavido-brunneis; peritheciis minutis, 100-125 μ . lat., nigris; sporulis oblongis, obtusis, 2-3-septatis, ad septa constrictis, hyalinis, 20-25 \approx 7,5-11,5. 6161

Hab. in foliis vivis *Chenopodii albi*, Menands Amer. bor.

III. In Monocotyledoneis et Acotyledoneis.

27. **Stagonospora Iridis** C. Massal. Bot. Centr. 1890, n. 26, p. 386. — 6162

Peritheciis globosis (?), membranaceis, amphigenis, pallide luteolis, 70-110 μ . diam., hypodermis, ostiolo latiusculo, 20-30 μ . lat., pertusis, in maculis ellipticis, exaridis, olivaceo-marginatis, dense subseriato-insidentibus; sporulis numerosis, madore subcirrose ejaculatis, majusculis, 26-30 \approx 3,5-6, cylindraceis, hyalinis, rectis v. subfalcatis, interdum parumper subsigmoideis, guttulatis, demum 1-3-septatis, utrinque rotundatis.

Hab. in foliis *Iridis germanicæ* (v. *squalentis*?) pr. Tregnago in agro veronensi Ital. bor. — Ab affini *St. Asphodeli* differt præsertim magnitudine sporularum.

28. **Stagonospora Cyperi** Ell. et Tracy Proc. Phil. 1891, p. 81. — 6163

Peritheciis minutis, globosis, tabacinis, in greges pustuliformes, 1 mm. v. ultra diam. confertis, epidermide dein supra brunnea, tandem lacerato-aperta tectis; sporulis fusoides, 2-3-guttatis, 12-16 \approx 2,5-3, hyalinis.

Hab. in calamis *Cyperi cylindrici*, Starkville, Miss. Amer. bor. (TRACY).

29. **Stagonospora cirrata** Pat. in Rev. Myc. 1886, p. 83. — *Perithe-* 6164

ciis sparsis v. in macula nigra gregariis, atris, 200-300 μ . diam., epidermide tectis, ostiolo albescente; sporulis cylindraceis fusoides v. utrinque rotundatis, 1-5-septatis, 12-15 μ . longis, hyalinis, numerosis, in cirrum vermiformem expulsis.

Hab. in foliis emortuis *Caricis Amphoræ* in Japonia.

30. **Stagonospora aquatica** Sacc. Syll. III, p. 452 — var. **sexseptata** 6165

Trail Scot. Nat. 1887, p. 88 et Grev. XV, p. 109. — *Peritheciis* 150 μ . diam.; sporulis 6-septatis, 32-35 \approx 5-6.

Hab. in caulibus emortuis *Scirpi lacustris* pr. Aberdeen Scotiæ.

31. **Stagonospora Heleocharidis** Trail in Scot. Nat. I, p. 76. — *Pe-* 6166

rietheciis sparsis, subepidermicis, ostiolo minuto, sphaericis, 130-170 μ . diam.; sporulis pallide luteolis, fusiformibus, 30-40 \approx 6-7, 5-7-septatis.

Hab. in foliis et culmis emortuis *Heleocharidis palustris*, Aberdeen Scot.

32. **Stagonospora neglecta** (West.) Sacc. Syll. III, p. 455. — Var. 6167

colorata Brun. in Rev. Myc. 1886, p. 142. — *Peritheciis* sparsis, minutis, numerosis, globulosis, epidermide non decolorata nec inflata tectis, dein suberumpentibus, perforatis; sporulis fusiformi-bacillaribus, 3-septatis, subhyalinis vel vix coloratis, 20-22,5 \approx 3.

Hab. in vaginis Phragmitis communis, Chaniers Galliæ.

— An species nova?

33. **Stagonospora simplicior** Sacc. et Ber. in Roum. F. Gall. n. 4086. 6168

— Peritheciis minutis, innatis, intus albis, in lineas parallelas plus minus longas gregariis, epidermide longitudinaliter fissa tectis; sporulis oblongis, obtusis, hyalinis, 3-septatis, valide granulosis v. loculis grosse 1-guttatis, ad septa irregularia constrictis, rectis v. subcurvulis, 32-38 \approx 8-9; basidiis brevissimis.

Hab. in culmis Phragmitis communis, Méry-sur-Seine Galliæ (BRIARD).

34. **Stagonospora hydrophila** Br. et Har. Rev. Myc. 1890 Oct. — 6169

Peritheciis sparsis, oblongis, lirelliformibus, nigris, $\frac{3}{4}$ -1 mm. long., $\frac{1}{4}$ - $\frac{1}{3}$ mm. lat., aureola amphigena griseolo-pallida cinctis; sporulis cylindraceo-fusoideis, obtusiusculis, 1-4-septatis, ad septa non vel vix constrictis, subhyalinis, 18-20 \approx 4.

Hab. in folio emortuo Phragmitis communis, Falaise, Calvados Galliæ (BRÉBISSON).

35. **Stagonospora insularis** Speg. F. Fueg. n. 410. — Peritheciis mi- 6170

nutissimis, densiuscule gregariis ac subseriatis, lenticularibus, 80-90 μ . diam., tenui-membranaceis; contextu parenchymatico, fuligineo; ostiolo latiusculo, 15 μ . diam., impresso; sporulis cylindraceis vel subclavulatis, utrinque obtusissimis, 18-24 \approx 3, rectis vel flexuosulis, 3-(rarius 4-)septulatis, non constrictis, hyalinis vel perdilute chlorinulis.

Hab. in foliis emortuis Agrostidis magellanicae in collinis pr. Port Cook in Staten island Fuegiæ.

36. **Stagonospora oxyspora** Speg. F. Fueg. n. 411. — Peritheciis am- 6171

phigenis, sparsis vel gregariis ac seriatis, parenchymate immersis, globulosis, 90-100 μ . diam., tenui-membranaceis, atris, glabris, parenchymaticis; ostiolo minuto, impresso; sporulis fusoideis, utrinque attenuato-acutatis, 24-28 \approx 3-5, rectis vel subsigmoideis, 5-septatis, non constrictis, hyalinis.

Hab. in foliis emortuis Hierochloæ antarcticae in pratis prope Port S. John Fuegiæ.

37. **Stagonospora subseriata** (Desm.) Sacc. — Syll. III, p. 454 — var. 6172

Moliniae Trail Trans. Crypt. Scot. 1889, p. 45. — Peritheciis numerosis numquam confluentibus, nec distincte seriatim dispositis ut in typo; sporulis vulgo 4-5-septatis, 28-35 \approx 6-7.

Hab. in foliis Moliniæ cœruleæ, Damally prope Loch Awe Scotiæ.

38. **Stagonospora curvula** Bomm. Rouss. Sacc. Contr. Myc. Belg. IV, 6173 p. 287. — Peritheciis innatis, subglobulosis, 300-450 μ . diam., e nigro rubescentibus, dense aggregatis, subinde confluentibus, epidermide griseola tectis, poro lato pertusis; sporulis linearibus, obtusis, curvulis, initio 1-septatis, dein 3-septatis, 12-20 \times 3, chlorinis.

Hab. in culmis graminum exsiccatorum, Watermael Belgii.

39. **Stagonospora equisetina** Trail Scot. Nat. 1887, p. 88 et Grev. 6174 XV, p. 109. — Peritheciis innatis, sparsis, globosis, 80 μ . diam., brunneis; sporulis rectis, fusoideo-cylindræis, 18-24 \times 4-5, subacutis, 6-8-guttatis, leniter 5-7-septatis, hyalinis.

Hab. in caulibus emortuis Equiseti palustris, Corbie Loch Scotiæ.

40. **Stagonospora Equiseti** Fautrey in Rev. Myc. 1890, pag. 124. — 6175 Peritheciis subseriatis, subcutaneis; sporulis cylindræis utrinque attenuatis, hyalinis, 3-septatis, 20-25 \times 4-5.

Hab. in caulibus siccis Equiseti limosi pr. Beaune Côte-d'Or Galliæ.

KELLERMANNIA Ell. et Ev. in Journ. of Myc. 1885, p. 153 (Etym. a cl. Dr. W. A. KELLERMAN generis detectore). — Perithecia immersa, membranacea, ostiolata. Sporulæ cylindrææ, latæ, septatæ, subhyalinæ, apice appendicula subuliformi præditæ.

1. **Kellermannia yuccogena** Ell. et Ev. in Journ. of Myc. 1885, p. 154, 6176 *Discula anomala* (Cooke) Sacc. Syll. III, pag. 677. — Perithecia membranacea, circiter 2 mm. diam., globosa, matrice immersa, vix conspicua, ostiola papilliformia, minuta, atra, epidermidem vix rumpentibus; sporulæ cylindrææ, granulosa, 45-50 \times 10-12, sursum in setam subuliformem, 18-25 μ . longam contractæ.

Hab. in foliis emortuis Yuccæ angustifoliæ, Manhattan, Kansas Amer. bor.

2. **Kellermannia Polygoni** Ell. et Ev. in Journ. of Myc. 1886, p. 111. 6177 — Peritheciis erumpentibus, membranaceis, contextu laxo parenchymatico, atris, depresso globosis, $\frac{1}{2}$ mm. diam., ostiolo papillato, perforato; sporulis lanceolatis, 1-septatis, 30-40 \times 3-4 (cum appendicula), basi rotundatis, hyalino-luteolis, primo granulosis et nucleatis, gradatim citra medium in appendiculam subuliformem, rectam, gracilem contractis.

Hab. in caulibus emortuis Polygoni polymorphi, Blue Canon, Calif. Amer. bor. (HARKNESS).

3. **Kellermannia Sisyrinchii** Ell. et Ev. in Journ. of Myc. 1886, p. 111. 6178

— Peritheciis sparsis, minutis, 150 μ . diam., epidermide tectis, subglobosis, parte superiore prominulis dein collapsis, apice perforatis, membranaceis, contextu dense parenchymatico, quam *K. Polygoni* pallidiore; sporulis oblanceolatis, hyalino-luteolis, 3-septatis, 50-60 \approx 5-6, cum appendicula circiter sporulæ dimidium æquante.

Hab. in *Sisyrinchio bello*, Berkeley, Calif. Amer. bor.

ASTEROMIDIUM Speg. F. Guar. II, n. 174 (Etym. dimin. *Asteromatis*). — Subiculum dematieum phyllogenum tenue; perithecia minuta globosa astoma. Sporulæ elongatæ, pluriseptatæ, hyalinæ. — Ad *Scolecosporas* nutat.

1. **Asteromidium imperspicuum** Speg. F. Guar. II, n. 174. — Subiculo 6179 hypo-(rarius epi-)phyllo, tenuissimo vix perspicuo, arcte matrici adnato, mucedineo-fibroso atro, radiante, plagulas fuscas hinc inde efficiente; peritheciis in plagulas laxè gregariis, superficialibus minutissimis 50-70 μ . diam. globosis, astomis, fuscidulis, postice membranaceo-persistentibus parenchymatico-radiantibus, superne anhyctis hyalinis fatiscentibus; sporulis fusoido-cylindræis, utrinque acutiusculis 24-30 \approx 3-3,5, triseptatis, ad septa constrictulis, rectis, hyalinis.

Hab. ad folia viva Sapindaceæ cujusdam in dumetis prope Guarapí Brasilæ. — Status stylosporicus *Hyalodermatis imperspicui*.

Sect. 7. Dictyosporæ.

CAMAROSPORIUM Schulz. — Syll. III, p. 459.

I. In Dicotyledoneis lignosis.

1. **Camarosporium cistinum** Cooke in Grevillea XIV, p. 5. — Grega- 6180 rium, cortice interiore immersum; peritheciis globosis, atris, ostiolo conico, corticem perforante præditis, subinde in lineas irregulares dispositis; sporulis ellipticis, elongatis, triseptatis, ad septa non constrictis, interdum cellula centrali longitudinaliter divisa brunneis, 15-18 \approx 5-7.

Hab. in ramulis *Cisti laurifolii*, Kew Britannæ.

2. **Camarosporium Caraganæ** Karst. in Hedw. 1885, pag. 74. — Pe- 6181 ritheciis gregariis, rarius sparsis vel concrenentibus, superficialibus, forma variis, sæpe inæqualibus, atris, glabris, 0,3-0,4 mm. diam.; sporulis ellipsoideis, sæpe inæqualibus, 3-5-septatis, accedente septulo 1 (rarissime 2) longitudinali, fuscis, 14-22 \approx 9-12.

Hab. in ramis decorticatis *Caraganeæ arborescentis*, Aboa Fennicæ. — Statum pycnidicum *Cucurbitariæ Caraganeæ* verisimiliter sistit.

3. **Camarosporium Retamæ** Trab. in litt. — Peritheciis dense gregariis, tectis dein erumpentibus, globosis, atris, intus farctis; sporulis oblongo-ellipsoideis, utrinque rotundis, 18-22 \approx 8-10, 3-4-septato-muriformibus, ad septa subconstrictis, olivaceo-fuscis. 6182

Hab. in caulibus emortuis *Retamæ sphaerocarpæ*, Algeriæ bor. (TRABUT). — Affine *C. Triacanthi*.

4. **Camarosporium Laburni** (West.) Sacc. nec *C. Laburni* Sacc. Cfr. 6183 spec. seq., *Hendersonia* West. V, Not. quelq. Hyp. Belg. p. 13, fig. 2. — Peritheciis minutis, brunneis, sparsis immersis, peridermium valde elevatibus, ostiolo papillato erumpente, peridermii laciniis cincto; sporulis copiosis brunneis, ovoideis, 2-4-septatis septoque singulo longitudinali divisis, 20-25 \approx 10-12.

Hab. ad ramos *Cytisi Laburni*, Courtrai Belgii.

5. **Camarosporium laburnicum** Sacc. *C. Laburni* Sacc. Syll. III, p. 460, nec West. — Cum species Westendorpii præcedens diversa sit ab homonyma mea et anterior, nomen meum mutare coactus sum.

6. **Camarosporium Cytisi** Berl. et Bres. Micr. Trid. p. 74, t. VI, f. 8. 6184 — Peritheciis botryoideo-gregariis, e mutua pressione angulosis, raro sparsis, $\frac{1}{3}$ - $\frac{1}{2}$ mm. diam., nucleo primo albo, dein atro farctis, globoso-conoideis, epidermide tectis, dein ea rupta pustulatum prominentibus; sporulis ovoideo-elongatis, transverse 4-7-septatis, ad septa non constrictis, rectis v. curvulis et tum subcylindricis, utrinque rotundatis, loculis 1-3 v. subinde fere omnibus septo longitudinali, sæpe obliquo divisis, 20-23 \approx 9-10, luteo-olivascensibus.

Hab. in ramis emortuis *Cytisi alpini*, Val di Sole Trento.

7. **Camarosporium Pseudacaciæ** Brun. Misc. mycol. p. 19. — Peritheciis tectis, dein erumpentibus, nigris, globosis, ad stroma fuliginosum, filamentosum, epidermide tectum gregariis; sporulis oblongo-ellipsoideis, 3-5-septatis, 20-23 \approx 6-8, ad septa constrictis, loculis 1-2 longitudinaliter 1-septatis. 6185

Hab. in ramis emortuis *Robiniaæ Pseudacaciæ*, Clermont-Ferrand Gallicæ (HÉRIBAUD).

8. **Camarosporium multiforme** Karst. Sphærops. Fenn. p. 31. — Peritheciis gregariis v. confertis, basi insculpta oblongatis v. rotundatis difformibus astomis, atris, 0,3 mm. diam.; sporulis subellipsoideis vel ovoideis, inæqualibus, 3-5-septatis, accedente septo unico longit. flavido-fuliginosis, pellucidis, 15-21 \approx 8-10. 6186

Hab. in ramis decorticatis Piri Mali pr. Aboam Fenniae.

9. **Camarosporium aculeorum** Passer. Diagn. F. N. IV, n. 73. — Peritheciis sparsis subepidermoideis, lenticularibus, atris, 175-200 μ . diam., basi hyphis fuliginis cinctis; sporulis ellipticis vel cuneiformibus, 4-septatis, subcurvulis, loculis nonnullis septulo longitudinali divisis, 18-22,5 \times 9-11. 6187

Hab. in aculeis Rosæ caninæ, Vigheffio pr. Parma Ital. bor.

10. **Camarosporium Spirææ** Cooke in Grevillea XIII, p. 97. — Sparsum; peritheciis majusculis, epidermide elevata tectis, globosis, atris, erumpentibus; sporulis ellipticis, plerumque triseptatis, 1-2 transverse septatis, non constrictis, pallide brunneis, 18 \times 7,5. 6188

Hab. in ramulis Spirææ callosæ et S. opulifoliæ, Kew Britanniae.

11. **Camarosporium Coronillæ** Sacc. et Sp. Syll. III, p. 460. — Var. **Spirææ** Bäuml. Crypt. Presb. p. 17. — Peritheciis aggregatis, rarius sparsis, sub epidermide nidulantibus, globulosis, atris; ostiolo papilliformi, epidermide perforante; sporulis oblongis, utrinque rotundatis, 16-20 \times 6-8, triseptatis, muriformibus, fuliginis. 6189

Hab. in ramulis aridis Spirææ sp. lignosæ, dein sociâ *Dothidea Sambuci*, Presburg. — «An diversa a præcedente?»

12. **Camarosporium Limoniæ** Cooke in Grevillea XIII, pag. 97. — Gregarium; peritheciis cuticula elevata, dein fissa, tectis, depressis, brunneis, vix papillatis; sporulis ellipticis, utrinque rotundatis, triseptatis, interdum cellula longitudinaliter divisa, tenuiter ad septa constrictis, castaneis, 22-28 \times 7-10, primo breviter pedicellatis. 6190

Hab. in ramulis Citri trifoliatæ, Kew Britanniae.

13. **Camarosporium Eucalypti** Winter in Rev. Myc. 1886, p. 212. — Peritheciis in macula irregulari, sæpe angulata, pallide fusca vel cinereo-fusca determinata, linea obscuriori limitata, usque 7 mm. diam., gregariis vel aggregatis, plerumque epiphyllis, erumpentibus, globosis, atris, membranaceis, poro pertusis, 130-160 μ . diam., sæpe confluentibus; sporulis numerosissimis, late ovoideis vel piriformibus, medio vel extra medium transverse uniseptatis, una cellula demum septo longitudinali, sæpe obliquo prædita, fuscidulis, guttulis, 12,5-14 \times 7-9, stipite filiformi, brevi, hyalino suffultis. 6191

Hab. in foliis vivis Eucalypti prope Melbourne Australiae (H. WATTS, COMM. READER).

14. **Camarosporium Calycanthi** Sacc. Bomm. Rouss. Contr. Myc. Belg. IV, p. 86. — Peritheciis subglobosis, sparsis, minutis, nigris, erum- 6192

pentibus, poro pertusis; sporulis ellipsoideis v. oblongis, brunneis, 3-4-septatis, dein muriformibus, 15-20 \times 7-9, non constrictis.

Hab. in ramulis Calycanthi, Watermael Belgii.

15. **Camarosporium Grossulariæ** Briard et Har. Rev. Myc. 1889, p. 16. 6193

— Peritheciis sparsis, nigris, globosis, $\frac{1}{3}$ mm. diam. epidermide translucide nigrificata tectis; sporulis oblongo-ellipsoideis, 5-septatis, loculis longitudinaliter 1-septatis, ad septa constrictis, brunneo-olivaceis, 28 \approx 10.

Hab. in ramulis vivis Ribis Uvæ-crispæ, sociâ *Diplodinâ Grossulariæ*, Aube Galliæ (P. HARIOT).

16. **Camarosporium Ribis** Briard Fl. crypt. Aub. p. 402. — Perithe- 6194

ciis globosis, sparsis, $\frac{1}{2}$ - $\frac{3}{4}$ mm. diam., nigris, intus albo-cinereis, epidermidem perforantibus et eadem cinctis; ostiolo papillato; sporulis ovato-oblongis, obtusis, 3-5-septatis, muralibus, brunneo-olivaceis, 20-22 \approx 7-9.

Hab. in ramulo putri Ribis rubri, Villebertin Galliæ. — *Cam. Ribis* Sacc. Bomm. Rouss. Contr. Myc. Belg. IV, p. 86 (in ramis Ribis rubri in Belgio) vix differt sporulis 15-18 \approx 7,5-10, strato tenui hyalino cinctis et ut plurimum 3-septatis.

17. **Camarosporium antarcticum** Speg. F. Fueg. n. 412. — Perithe- 6195

ciis hinc inde pauci-aggregatis, cortice stromatice infuscato v. nigrificato innatis, primo peridermio tectis, dein erumpentibus, globosis, 180-220 μ . diam., atris, glabris, papillulato-ostiolatis, carnosulo-membranaceis, contextu indistincto; sporulis ovoideis, utrinque obtusiusculis, 18-22 \approx 6-7, rectis v. subinæquilateralibus, horizontaliter 3-4-5-septatis non constrictis (vix in senectute), loculis 1-2-centralibus septo altero verticali v. obliquo rarius deficiente percursis, fuligineis, loculis extimis pallidioribus.

Hab. ad ramulos dejectos emortuos Berberidis ilicifoliæ in Staten island Fuegiæ.

18. **Camarosporium Berberidis** Cooke in Grevillea XIII, pag. 97. — 6196

Gregarium; peritheciis minutis, subglobosis, cuticula leniter elevata tectis, iis *Phomæ* similibus; sporulis magnitudine variis, primo hyalinis et uniseptatis, ellipticis, non constrictis, demum triseptatis ad septa constrictis, cellula centrali longitudinaliter divisa, pallide brunneis, 22-25 \approx 6-9.

Hab. in ramulis Berberidis vulgaris, Kew Britanniæ.

19. **Camarosporium berberidicolum** Delacr. Bull. Soc. Myc. 1890, 6197

p. 141. — Peritheciis epidermide tectis, applanato-hemisphæricis, 160-180 \approx 75-80, poro minuto pertusis; sporulis ovoideis v. ellipsoi-

deis, fuscis, triseptatis, septo uno longitudinali in loculo super. divis, 13-14 \approx 7-8; basidiis minutissimis.

Hab. in ramulis *Berberidis vulgaris*, Rueil, Seine-et-Oise Galliæ. — *Cam. alpino* affine; a *C. Berberidis* sporulis multo brevioribus differt. *Cam. Berberidis* Rich. Cat. Champ. Marne n. 1728 (sine diagnosi) an huc pertineat, non liquet.

20. **Camarosporium Evonymi** Bres. Rev. Myc. 1891, pag. 29, t. 114, 6198
f. VII. — Peritheciis gregariis, minimis, subcutaneis, globoso-depressis, nigris, contextu parenchymatico, ostiolo vix prominente pertusis; sporulis oblongo-ovoideis, 3-septato-muriformibus, ad septa subconstrictis, 18-20 \approx 10; basidiis brevibus.

Hab. in ramis *Evonymi europæi* pr. Leutschau Hungariæ (GRESCHIK).

21. **Camarosporium Paliuri** Berl. Pug. F. Fior. p. 24. — Peritheciis 6199
sparsis v. acervulatis, epidermide valde prominente tectis, magnis, 400-700 μ . diam., contextu laxo parenchymatice, tenui, nucleo atro farctis; sporulis ellipsoideis, 5-septatis, loculis mediis uno v. duobus v. subinde etiam extimis septo longitudinali divis, 14-16 \approx 10-12, atro-fuligineis.

Hab. in ramis exsiccatis *Paliuri australis* prope Firenze Italiæ. — *C. polymorphi* affine sed magnitudine et dispositione peritheciolorum diversum.

22. **Camarosporium Staphyleæ** Cooke in Grevillea XIV, pag. 5. — 6200
Sparsum, cortice tectum v. absconditum; peritheciis atris, globoso-depressis, raro leniter cuticulam elevantibus; sporulis ellipticis, tri-septatis, una vel duabus cellulis centralibus longitrorsum divis, non constrictis, pallide brunneis, 18-20 \approx 8.

Hab. in ramulis *Staphyleæ pinnatæ* et *S. trifoliatæ*, Kew Britannicæ.

23. **Camarosporium acerinum** E. et E. in Fairm. Contr. Myc. West. 6201
N. Y. pag. 53. — Peritheciis prominulis; sporulis 15-26 \approx 8-10, triseptatis muriformibusque.

Hab. in ramis *Aceris*, Lyndonville, N. J. Amer. bor. — Affine *C. subfenestrato*.

24. **Camarosporium Pseudoplatani** Brun. Miscell. Mycol. pag. 18. — 6202
Peritheciis erumpentibus, subcæspitosis, globuloso-conicis, subglobosis, interdum depressis, papillatis, nigris; sporulis oblongo-elongatis, medio interdum constrictis, 5-7-septatis, loculis 3 longitudinaliter septatis, flavo-fuligineis, 25-36 \approx 15-17.

Hab. in ramis dejectis Aceris Pseudoplatani, Bellerive, Puy-de-Dôme Galliæ (HÉRIBAUD).

25. **Camarosporium dichomeroides** Brun. Suppl. Sphæroid. p. 3. — 6203

Stromatibus valseis, erumpentibus, suborbicularibus, pulvinatis, brunneo-nigrescentibus, intus pallidioribus v. rubiginosis, corticalibus; sporulis oblongis, 3-septatis, septo longitudinali loculos medios v. unum tantum percurrente, brunneis, loculis apicalibus pallidioribus, $18 \approx 5$.

Hab. in cortice ramorum emortuorum Sambuci racemosæ, Saintes Galliæ. — Habitus *Tuberculariæ*.

26. **Camarosporium Caprifolii** Brun. Champ. Saint. 1887, p. 430. — 6204

Peritheciis secus ligni fibras seriatis vel gregariis, erumpentibus, compressis, nigris; sporulis ellipsoideis v. globuloso-ellipsoideis, 3-septatis, ad septa non constrictis, longitudinaliter 1-septatis, $12-15 \approx 5-6$, fuligineis, basidio minutissimo, hyalino sæpe fultis.

Hab. in sarmentis emortuis Loniceræ Caprifolii, Saintes Galliæ.

27. **Camarosporium Symphoricarpi** Karst. Symb. Myc. Fenn. XXIV, p. 18. — 6205

Peritheciis confertis, rarius subsparsis, dein semiemersis, rotundatis v. oblongatis, poro pertusis v. ostiolo papillato præditi, atris, circiter 0,2 mm. latis; sporulis ovoideis v. ellipsoideis, vulgo inæqualibus, 3-, rarissime 5-septatis, accedente septulo uno longitudinali, ad septa non constrictis, opace fuligineis, $12-16 \approx 6-7$.

Hab. in ramulis aridis Symphoricarpi racemosæ in horto mustialensi Fenniæ.

28. **Camarosporium Syringæ** Cooke et Mass. Grev. XVI, pag. 9. — 6206

Subgregarium in maculis dealbatis; peritheciis subcutaneis, epidermidem elevantibus, demum findentibus, subglobosis, atris, papillatis; sporulis ellipticis, triseptatis, haud constrictis, cellula una vel binis longitrorsum divisis, brunneis, $15-17 \approx 8-10$.

Hab. in ramis Syringæ Emodi, Kew, London Britannicæ. — Affine *C. Ephedræ*, a quo peritheciis minoribus, magis gregariis, maculis albidis, sporulis proportione latoribus differt.

29. **Camarosporium Viburni** Bäuml. Crypt. Presb. p. 17. — 6207

sparsis, in cortice sub epidermide nidulantibus, globosis, atris, contextu parenchymatico; sporulis oblongo-ovoides, $20-24 \approx 6-10$, haud constrictis, 5-7-septato-muriformibus, fuligineis.

Hab. in ramis aridis Viburni Lantanæ, Presburg Hung.

30. **Camarosporium Laureolæ** Br. et Har. Journ. de Bot. 1891, p. 171. 6208

— Peritheciis sparsis, amphigenis, prominentibus, superficialibus,

firmis, mammiformibus, 0,3-0,5 mm. diam.; ostioli papillatis, oculo nudo conspicuis; sporulis ovato-oblongis vel oblongis, obtusis, 3-5-septatis, 1 vel pluribus septis longit. percursis, initio hyalinis, demum brunneo-olivaceis, pellucidis, 20-26 \approx 9-10.

Hab. ad folia emortua *Daphnes Laureolæ* prope Clermont Arvernæ (HÉRIBAUD).

31. **Camarosporium Cneori** Passer. Diagn. F. N. IV, n. 72. — Peritheciis crebre sparsis, cortice immersis, minutis, nigris, contextu celluloso, fuligineo; sporulis ellipticis v. ovatis, primo integris, dein uni-triseptatis, non constrictis, loculis nonnullis septo longitudinali v. obliquo divisio, flavis; basidiis brevibus hyalinis, fultis, 10-12 \approx 5. 6209

Hab. in ramulis siccis *Cneori tricocci*, in horto botanico, Roma.

32. **Camarosporium quercinum** (Bon.) Sacc. Syll. III, p. 312. — Sec. Celotti Mic. Montp. pag. 21, sporulæ 6-7 \approx 4-5 metiuntur. Nascitur quoque in ramis *Quercus*, Montpellier Galliæ.

33. **Camarosporium cruciatum** (Fuck.) Sacc. Syll. III, p. 464, Berl. Pug. Fung. Fior. p. 25, t. II, f. 13. — Perithecia conoideo-papillata, tecta, nitida; sporulæ 8-10 \approx 8, basidiis brevissimis vel subnullis fultæ. Nascitur quoque in ramis emortuis *Mori albæ* pr. Firenze Ital. centr. In Syll. l. c. ubi indicatur *Alnus campestris*, legatur, ut evidens est, *Ulmus campestris*.

34. **Camarosporium Passerinii** Sacc. *C. affine* Passer. Diagn. F. N. IV, n. 76 (1888), nec S. B. R. — Peritheciis aggregatis, erumpentibus, globosis, ostiolo vix papillato, epidermide rupta cinctis, atris, sublevibus; sporulis sæpius exacte ellipticis, initio hyalinis, uniseptatis, tandem castaneis, triseptatis, loculis intermediis vel subinde etiam polaribus, longitrorsum divisio, 10-15 \approx 5-6. 6210

Hab. in ramulo emortuo *Mori albæ*, socia *Sphærospide*, Parma Ital. bor. — Sporulis minoribus, numquam 5-7-septatis ab affini *Camarosporio Mori* distinguitur.

35. **Camarosporium strobilinum** Bomm. Rouss. Sacc. sp. nov. — Peritheciis subcutaneo-erumpentibus, atro-brunneis, aggregatis subinde confluentibus, 0,3-0,5 mm. diam., nucleo compacto; perithecii contextu spurio; sporulis ellipsoideo-globulosis, 27-36 \approx 21-24, olivaceo-fuligineis, dein fere opacis, basi apiculo subtriangulari obtuso subhyalino v. basidio brevissimo, 6 \approx 3-3,5, curvo fultis, dense septato-muriformibus, septis subconcentricis. 6211

Hab. in squamis strobilorum *Abietis excelsæ*, M. Righi Helvetiæ. — Ob perithecia parum evoluta ad *Melanconieas* nutat.

36. **Camarosporium Ephedræ** Cooke et Mass. Grev. XVI, pag. 9. — 6212

Peritheciis sparsis, subcutaneis, demum erumpentibus et superne expositis, subglobosis, atris, apice pertusis; sporulis ellipsoideis, triseptatis, loculis uno v. binis long. divisis, brunneis, $20 \approx 8-10$.

Hab. in ramulis Ephedræ andinæ, Kew London Britannia.

II. In Dicotyledoneis herbaceis v. suffruticosis.

37. **Camarosporium Salviæ** Pat. Bull. Soc. Myc. 1891, pag. 179. — 6213

Peritheciis sparsis vel confluentibus, superficialibus, orbicularibus, 0,5-0,5 mm. diam., nigris, convexis, ostiolo breviusculo pertuso; sporulis numerosis, primitus ovoideis hyalinisque dein utrinque attenuatis, 5-8-septato-muriformibus, atris, loculis ultimis hyalinis, $25-30 \approx 10-15$.

Hab. in caulibus siccis Salviæ, Panecillo pr. Quito Æquatoriae.

38. **Camarosporium Teucris** Celotti Mic. Montp. p. 29. — Peritheciis 6214

gregariis, tomento candido obvolutis, prominulis, globosis v. conoideis, diametro valde inæqualibus; sporulis e globoso ovoideis, 2-3-septatis, muriformibus, atris, $12-15 \approx 8-9$.

Hab. in ramis Teucris fruticantis, Montpellier Gallia.

39. **Camarosporium Helichrysi** Pass. in Brun. Champ. nouv. VI, p. 3. 6215

— Peritheciis subgregariis, cortice immersis, tectis v. demum nudis, nigris, globoso-depressis, ostiolo parum evoluto; sporulis ovoideis v. ellipsoideis, atro-castaneis, 3-septatis, ad septa non constrictis, loculo uno longitudinaliter septato, $10-12 \approx 5-6$.

Hab. in caulibus emortuis Helichrysi Stœchadis, Fouras pr. Saintes Gallia. — Verisimiliter species eadem est **Camarosporium Helichrysi** Passer. Diagn. F. N. IV, n. 75: peritheciis sparsis, erumpentibus, atris, globosis, contextu fuligineo, obscure celluloso; sporulis ellipticis triseptatis, non constrictis, loculis septo mediano longitudinali continuo divisis, $12,5 \approx 5-6$. In caulibus siccis Helichrysi Stœchadis, Vigheffio prov. Parma.

40. **Camarosporium affine** Sacc. Bomm. et Rouss. F. myc. Belg. II, 6216

pag. 38 (1887). — Peritheciis subepidermicis, dein erumpentibus, sparsis, subglobosis, ostiolo papilliformi, $20-30 \mu$. diam.; sporulis subglobosis, fuliginosis, $12-21 \mu$. long., muriformibus.

Hab. in caulibus Artemisiæ vulgaris, Nonceveaux Belgii.

— *C. Compositarum* et *C. æquivoca* affine.

41. **Camarosporium Poterii** Passer. Diagn. F. N. IV, n. 74. — Peri- 6217

theciis sparsis vel subgregariis, tectis, epidermidem sublevantibus,

ostiolo acuto erumpente, contextu minute celluloso, fuligineo; sporulis irregulariter ellipsoideis, 5-7-septatis, ad septa constrictis, muriformibus, 25-37 \approx 10-12, flavis, basidiis hyalinis, brevibus, flexuosis fultis.

Hab. in ramulis *Poterii Sanguisorbæ*, Vigheffio pr. Parma Ital. bor. — Probabiliter *Pleosporæ Passerinianæ* status pycnidicus.

42. **Camarosporium Sarcinula** Sacc. et Berl. Myc. Sibir. p. 22, fig. 27. 6218

— Peritheciis sparsis, 200-250 μ . diam., atris; contextu crasse parenchymatico fuligineo, epidermide tectis, globoso-depressis; sporulis numerosis, sphæroideis vel ovoideis, 3-5-septatis, muriformibus vel cruciatim divisis, 15-20 \approx 15, atro-fuligineis.

Hab. in ramulis *Corispermii hyssopifolii* in desertis prope Caratus Sibiriae (A. ARGUNOWA). — Affine *C. Roumeguerii*, *C. cruciato* simile sed sporulis majoribus.

43. **Camarosporium pusillum** Cooke Grev. XIX, p. 4. — Peritheciis 6219

sparsis punctiformibus, minutis, membranaceis, epidermide tectis; sporulis ellipticis, irregularibus, utrinque obtusis, 4-5-septatis, cellula una alterave longitudinaliter divisis, fuscis, 20-30 \approx 8.

Hab. in caulibus et receptaculis *Mesembryanthemi* in Nova Zelandia (COLENSO).

44. **Camarosporium ellipticum** Cooke et Harkn. in *Grevillea* XIII, 6220

p. 112. — Caulicolum; peritheciis gregariis, subglobosis, erumpentibus, mox seminudis, atris, pertusis; sporulis ellipticis, 2-4-septatis, loculo uno alterove longitudinaliter divisis, fuscis, nec constrictis, magnitudine varialibus, 10-18 \approx 7-7,5.

Hab. in caulibus *Mesembryanthemi* in California (HARKNESS).

45. **Camarosporium Rostrupii** Sacc., *C. alpinum* Rostr. Bidr. Ascom. 6221

Dovr. p. 11 nec Speg. — Peritheciis discretis, majusculis, 0,3 mm. diam., globosis, poro perspicuo pertusis; sporulis irregulariter ovato-oblongis, multiseptato-muriformibus, 16-28 \approx 9-13, fuscis.

Hab. in inflorescentia *Bartsiae alpinae*, Dovre Norvegiae (BLYTT).

III. In *Monocotyledoneis*.

46. **Camarosporium Geitonoplesii** Passer. Diagn. F. N. IV, n. 77. — 6222

Peritheciis ligno adnatis, solitariis, globosis v. sæpius lineatim digestis et etiam concretis, erumpentibus dein cortice consumpto, nudatis, atris; sporulis ut in *Camarosporio Cneori*, sed paullo grandioribus 10-15 \approx 5-6.

Hab. in caulibus siccis *Geitonoplesii angustifolii*, socii *Sphærospide* et *Diplodia* in horto botanico Roma.

47. **Camarosporium Phragmitis** Brun. in Rev. Myc. 1886, p. 142. — 6223

Peritheciis sparsis vel subgregariis, numerosis, globulosis, epidermide parum atrata tectis, ostiolo erumpente; sporulis oblongo-fuliginis, primo 3-septatis, ad septa constrictis, demum loculis uno vel duobus longitudinaliter divisis, 18-22 \times 7-8.

Hab. in vaginis *Phragmitis communis*, Saintes Galliæ. — An *Hendersonia Phragmitis* senescens?

48. **Camarosporium metableticum** Trail Suppl. Myc. Scot. n. 3074. — 6224

Peritheciis innatis, sparsis, subglobosis, circ. 250 μ . diam., ostiolo brevissimo; sporulis fuliginis, ovoideis, ellipsoideis v. trapezoideis, medio non vel vix constrictis, utrinque acuminatis vel rotundatis, circ. 26-30 \times 12-13, transverse 3-7-septatis, loculis 1-4 mediis longitudinaliter 1- raro 2-septatis.

Hab. in foliis emortuis *Ammophilæ arenariæ* prope Aberdeen Scotiæ.

49. **Camarosporium arenarium** Sacc. Bomm. Rouss. Contr. Myc. Belg. 6225

III, pag. 20. — Peritheciis sparsis, subglobosis, $\frac{1}{4}$ mm. diam., subcutaneis, dein erumpentibus, prominulis; sporulis oblongis, subfusoidis, olivaceis, 7-septato-muriformibus, 24-36 \times 10-14.

Hab. in culmis *Elymi arenarii*, Ostende Belgii.

CYTOSPORIUM Peck — Syll. III, p. 470.

1. **Cytosporium incrustans** Fautrey in Rev. Myc. 1890, p. 168. — 6226

Peritheciis sparsis, adhærentibus, basi incrustatis, nigris, hirsutis, papillatis; sporulis obovatis vel oblongis, irregularibus, subinde sphæroideis v. piriformibus, 12-20 \times 6-12, tri-quinqueseptatis muriformibusque, olivaceis.

Hab. in ligno quercino putrescente, Noidan, Côte-d'Or Galliæ.

2. **Cytosporium? fuegianum** Speg. F. Fueg. n. 413. — Peritheciis in 6227

matrice late infusata v. nigrificata superficialibus globoso-depressis 250 μ . diam., atris subcarbonaceis primo pilis cylindratis acutis continuis opacis fuliginis basi non incrassatis sæpeque subcæspitulosus, 20-80 \times 5-7 μ ., laxè vestitis, dein glabratis, ostiolo non v. vix papillulato-donatis, contextu indistincto; sporulis ellipticis, utrinque acutiuscule rotundatis 18-20 \times 4-6 horizontaliter 3-5-(rarius 7-)septatis, ad septa validule constrictis, loculis 2-3 (rarius 0) centralibus septo altero continuo donatis, griseo-fuliginis.

Hab. ad lignum decorticatum putrescens Libocedri tetragoni et Fagi cujusdam prope Port Tom in Schyring island Fugiæ. — Species notis fructificationis ac basidiis deficientibus non-nihil dubia. An ascigera?

DICHOMERA Cooke — Syll. III, p. 471.

1. **Dichomera æquivoca** Passer. in Erb. Critt. Ital. Ser. II, n. 1391, 6228
— Peritheciis discretis, superficialibus, celluloso-confertis; sporulis parvulis, fuscis, subglobosis, ut plurimum 7,8 μ . diam., uni- vel biseptatis vel sæpius radiatim septatis, aut etiam ellipticis triseptato-muriformibus, et tunc 10 \approx 5.

Hab. in caulibus siccis Artemisiæ camphoratae, pr. Parma Ital. bor. (PASSERINI).

2. **Dichomera Persicæ** Passer. Diagn. F. N. V, n. 42. — Peritheciis 6229
gregariis vel sparsis, nigris, stromate carbonaceo lignum incrustante semiimmersis, globosis, glabris; sporulis elongato-ellipticis, primo 3-septatis, flavidulis, loculo altero ex intermediis longitudinaliter diviso, tandem 5-7-septatis, plus minus ad septa, præcipue medium constrictis, loculis nonnullis septulo longitudinali divisis, 15-22 \approx 5-10, fuligineis.

Hab. in disco trunci recisi Persicæ, Vigheffio pr. Parma.

3. **Dichomera Laburni** Cooke et Masee Grev. XVIII, p. 54. — Erum- 6230
pens, cæspitosa; peritheciis globosis, nigris, opacis, in stromate definito 5 mm. diam. numerose confertis; sporulis ellipsoideis, 3-septatis septisque uno vel pluribus longitudinalibus divisis, fuligineis, 22-25 \approx 7; basidiis brevibus.

Hab. in ramis Cytisi Laburni, Blakey Leicester (W. A. VICE). — Videtur forma cæspitosa-compacta *Camar. Laburni* (West.) Sacc. [nec *C. Laburni* Sacc. = *C. laburnicum* Sacc. Cfr. supra].

4. **Dichomera Elæagni** Karst. Symb. Myc. Fenn. XXIII, pag. 11. — 6231
Stromatibus per corticem fissum transversim erumpentibus, ellipsoideis, ovalibus vel subrotundatis planiusculis, atris usque ad 5 mm. latis; peritheciis stromate semiimmersis, polystichis, plurimis, subsphæroideis, ostiolo papilliformi, atris, circiter 0,2 mm. diam.; sporulis ellipsoideis, sæpe irregularibus, rectis v. leviter curvulis, 3-septatis, loculo uno alterove septulo longitudinali diviso ad septa non vel vix constrictis, fuligineis, semipellucidis, 15-21 \approx 9-11.

Hab. in ramis emortuis Elæagni macrophylli in horto mustialensi Fenniæ (ONNI KARSTEN).

Sect. 8. Scolecosporæ.

SEPTORIA Fr. em. Sacc. Syll. III, p. 474.

I. In Dicotyledoneis lignosis.

1. **Septoria cirrosa** Winter in Journ. of Myc. 1885, p. 122. — Ma- 6232
culis sparsis v. confluentibus, subrotundatis v. irregularibus, sub-
magnis, pallide fuscidulis, centro sæpe pallidioribus, area lata, lu-
teola circumdatis, indeterminatis, usque 7 mm. latis; peritheciis
amphigenis, laxè gregariis, semiimmersis, depresse globosis, poro
late pertusis, atris, 100-130 μ . diam.; sporulis cylindraceo-filifor-
mibus, sæpe flexuosis curvatisve, utrinque acutis, chlorino-hyalinis,
plerumque 3-5-septatis, 30-45 \approx 2-2,5, cirrose expulsis.
Hab. ad folia viva Staphyleæ trifoliæ, Missouri in Ame-
rica boreali.
2. **Septoria Pteleæ** Ell. et Ev. Proc. Acad. Phil. 1891, pag. 76. — 6233
Maculis amphigenis, sparsis, parvis, 1-3 mm. lat., irregularibus,
subnigris, definitis, sed margine proprio destitutis; peritheciis am-
phigenis, sparsis, minutis, 100-150 μ . diam., prominulis, papillatis;
sporulis cylindraceo-vermicularibus, guttatis, 1-3-septatis, uno api-
ce angustatis, hyalinis, 35-65 \approx 3-3,5.
Hab. in foliis Pteleæ trifoliatæ, Racine, Wisconsin Amer.
bor. (DAVIS).
3. **Septoria Pistaciæ** (Lév.) Cooke Grev. XIII, p. 45, *Dothidea* Lév. 6234
Demid. Voy. II, p. 108, t. V, f. 2. — Hypophylla, maculiformis,
atra, irregularis; peritheciis innatis, confertis, minutissimis, ostio-
lis inconspicuis; sporulis filiformibus, curvis, continuis, pellucidis,
50 μ . long.
Hab. in foliis Pistaciæ, Nikita Tauriæ (DEMIDOFF).
4. **Septoria Hydrangeæ** Bizz. Fungi Ven. novi vel crit. p. 6. — Ma- 6235
culis brunneo-ferrugineis, rubro-sanguineo cinctis, irregularibus,
dein confluentibus; peritheciis immersis, contextu parenchymatico,
brunneo, indistincto; sporulis cylindraceis, rectis v. flexuosis, hya-
linis, non septatis, 16-22 \approx 1,5.
Hab. in foliis Hydrangeæ hortensis in horto botanico pa-
tavino. — Species valde noxia.
5. **Septoria canadensis** Peck 32 Rep. p. 39. — Maculis amplis, sub- 6236
inde confluentibus, pallidis vel subalutaceis, purpureo-marginatis;

peritheciis epiphyllis, minutis, sparsis, nigris; sporulis filiformibus, subrectis, 25-36 μ . long.

Hab. in foliis vivis Corni canadensis, Sandlake Amer. bor.

6. **Septoria evonymella** Passer. Diagn. F. N. IV, p. 13. — Peritheciis epiphyllis, crebre sparsis, tectis, atris, globosis, ostiolo crassiusculo, plus minus longo, recto vel inflexo; sporulis bacillaribus, rectis, endoplasmate minutissimo granuloso, continuis, hyalinis, 30-60 \approx 2,5.

Hab. in foliis dejectis Evonymi japonici, Livorno Ital.

7. **Septoria Alaterni** Passer. Diagn. F. N. IV, p. 13. — Maculis exaridis griseis, halone fusco cinctis; peritheciis epiphyllis, paucis, erumpentibus, interdum collapsis, atris; sporulis subcylindræis curvis, apicibus obtusis, basidiis longiusculis fultis, integris hyalinis, endoplasmate nubiloso, 20 \approx 3.

Hab. in foliis vivis Rhamni Alaterni, Arezzo et Parma.

8. **Septoria capensis** Wint. in Hedw. 1885, I. — Peritheciis in maculis sordide albidis vel griseis, margine determinato, fusco, perlato cinctis, rotundatis v. angulatis, 1½-2 mm lat., epiphyllis, immersis, demum erumpentibus, depresso globosis, fuscis, tenuissime membranaceis, 130-150 μ . diam.; sporulis filiformibus, sæpe flexuosis curvatisque, pluriseptatis, hyalinis, 30-50 \approx 2-2½.

Hab. in foliis languescentibus Zizyphi mucronati in Prom. Bon. Spei (MAC OWAN).

9. **Septoria Spartii** Rob. et Desm. Not. X, p. 9. — Maculis rotundatis vel oblongis, olivaceis, dein fulvo-rufis, 2-10 mm. long. quandoque luteolo-cinctis; peritheciis perexiguis, numerosis, innato-prominulis, fuscis demum nigris, poro orbiculari apertis; cirris albidocarneis; sporulis cylindricis, obtusulis, rectis curvulisve 4-8-guttulatis, 20 \approx 2-3.

Hab. in foliis languidis Spartii juncei in Gallia boreali.

10. **Septoria Argophyllæ** E. et K. Journ. Myc. 1887, p. 86. — Maculis amphigenis, minutis, 1 mm. diam., initio nigricantibus, dein centro expallentibus, atro-marginatis; peritheciis sæpius epiphyllis, sparsis, majusculis, immersis; sporulis cylindræis, obtusis, curvulis, hyalinis, 2-3-septatis, 40-55 \approx 2,5-3.

Hab. in foliis vivis Psoraleæ argophyllæ, Manhattan, Kans. Amer. bor. (SWINGLE).

11. **Septoria Hardenbergiæ** Sacc. in Hedw. 1890, pag. 156. — Maculis amphigenis, latis, pallentibus, fusco-marginatis; peritheciis punctiformibus, pertusis, 90-100 μ . diam., contextu melleo-ochra-

ceo; sporulis fusoido-falcatis, medio 2-guttulatis, 15-18 \approx 1,5, hyalinis.

Hab. in foliis subvivis Hardenbergiæ monophyllæ in hortis Norwood Australiæ (TEPPER).

12. **Septoria Siliquastri** Pass. — Syll. III, p. 484. — Sec. Brun. Suppl. Sphæroid. p. 4, sporulæ sunt 20-25 μ . long. — Nascitur quoque in foliis Cercidis, Saintes Galliæ.

13. **Septoria Wistarix** Brun. Esp. Sphærops. p. 3. — Maculis hypophyllis, irregularibus, versiformibus, læte brunneis, non marginatis; peritheciis sparsis vel adproximatis, numerosis, punctiformibus, brunneo-nigris, pertusis; sporulis bacillaribus, obtusis, rectis curvulisve 20-25 \approx 1-1,5, subcontinuis, hyalinis. 6243

Hab. in foliis languidis Wistarix sinensis, Saintes Galliæ.

14. **Septoria Phyllocladum** Sacc. in Hedw. 1890 (Junio) pag. 156. — 6244
Maculis amphigenis, circularibus, albidis, fusco-cinctis; peritheciis confertis, punctiformibus, pertusis, 130-140 μ . diam., nigricantibus; sporulis anguste fusoidis, utrinque acutis, 15-16 \approx 2, 1-septatis, hyalinis.

Hab. in phyllocladiis vivis Acaciæ, Caromby Australiæ (TEPPER).

15. **Septoria Martiniana** Sacc. *Septoria phyllocladum* Cooke et Mass. 6245
Grev. XIX, p. 47 (Dec. 1890) nec Sacc. — Peritheciis dense gregariis, amphigenis, maculis definitis destitutis, totam folii paginam sæpe occupantibus, immersis, epidermide tectis, globoso-depressis, nigris, apice pertusis; sporulis cylindræis, utrinque obtusis, multiguttatis, dein 3-5-septatis, hyalinis, 40 \approx 3.

Hab. in phyllocladiis Acaciæ longifoliæ, Victoria Australiæ (MARTIN).

16. **Septoria Carrubi** Pass. in Erb. critt. ital. II, n. 1292. — Peritheciis hypophyllis, minutissimis, in maculis fuscis irregularibus aggregatis; sporulis in cirros albidos ejectis, allantoideis, leniter arcuatis, integris, 20-25 \approx 2,5-3, hyalinis. 0246

Hab. in foliis languidis Ceratoniæ Siliquæ ad Pincio, Roma. — Cum *Septoria Ceratoniæ* Passer. non comparanda.

17. **Septoria Sorbi** Lasch in Kl. H. M. n. 459, Sacc. in Bull. Soc. Myc. V, pag. 121. — Maculis minutis irregularibus, hypophyllis, brunneolis, haud limbatis; peritheciis remotiusculis, punctiformibus, nigricantibus; sporulis filiformibus, curvis, 60-70 \approx 3,5-4, plerumque 2-septatis, hyalinis; basidiis brevissimis. 6247

Hab. in foliis subvivis Sorbi aucupariæ, Driesen Germaniæ. — Satis diversa a *Sept. Sorbi-hybridæ* Cesati.

18. **Septoria Myrobolanæ** Brun. Misc. Mycol. p. 19. — Maculis mediis rotundis v. oblongis, brunneis, demum expallentibus, saturatius marginatis; peritheciis minutis, erumpentibus, nigris, pertusis; sporulis cylindricis, hyalinis, continuis, rectis curvulisve, 18-30 \approx 1,5. 6248
Hab. in foliis Pruni Myrobolanæ, Saintes Galliæ.
19. **Septoria effusa** (Lib.) Desm. — Syll. III, p. 489. — In exemplaribus Libert. Arduenn. n. 335, sporulæ adsunt filiformes curvulæ subcontinuae, 20-22 \approx 0,7-1, basidiis fusoides, apice acutis, subinde ramosis, 15-20 \approx 3 suffultæ. Ab hac specie vix differt *Septoria pallens* Sacc.
20. **Septoria Padi** Lasch in Kl. H. M. n. 457. — Maculis indeterminatis, ochraceo-fuscis; peritheciis spuris tectis disciformibus, $\frac{1}{6}$ mm. lat., dein concavis, apertis, succineis; sporulis filiformibus, curvis utrinque obtusiusculis, 45-50 \approx 2, spurie 3-septatis, hyalinis. 6249
Hab. in pag. inf. foliorum Pruni Padi adhuc vivorum, Driesen Germaniæ. — Perithecia omnino spuria, hinc *Cylindrosporium Padi* Karst. verisimiliter eandem rem sistit. *Sept. Padi* Thüm. F. Austr. n. 1186, omnino differt et probabiliter *Septoriam Pruni* Peck spectat.
21. **Septoria stipata** (Lib.) Sacc. F. Ardenn. n. 177, *Ascochyta stipata* Lib. Crypt. IV, n. 354 (1837). — Epiphylla; maculis magnis orbiculatis fuscis; peritheciis dense sparsis, prominulis, globosis, poro apertis; cirris tenuissimis, hyalinis; sporulis fusoides, curvatis, 7-9-guttulatis. Lib. l. c. 6250
Hab. ad folia Pruni Padi in Arduennis. — Sporulas non vidi. *Sept. Pruni* Ellis forte huic affinis.
22. **Septoria gummigena** Ell. et Ev. Proc. Acad. Phil. 1891, pag. 79. 6251
 — Peritheciis gregariis, nigris, subovoideis, mox late apertis, circ. $\frac{1}{4}$ mm. diam.; sporulis filiformibus, 30-40 \approx 1-1,2.
Hab. in gummiindurato Cerasi, Wilmington Del. Amer. bor. (COMMONS). — «An, ob habitationem singularem, novus typus?».
23. **Septoria Cerasi** Pass. Fung. Gall. novi in Journ. d'Hist. nat. 6252
 Bord. 1885, n. 4, p. 16. — Maculis subdiscoideis, atro-sanguineis; peritheciis minutis, immersis, vix ostiolo superne perspicuis; sporulis filiformibus, integris, hyalinis, in cirrum brevem ejectis, rectis v. curvulis, 15-30 \approx 1 $\frac{1}{2}$.
Hab. in foliis Pruni Cerasi prope Saintes, Pessines etc. in Gallia (BRUNAUD).
24. **Septoria Salicifoliæ** (Trel.) Berl. et Vogl. Add. Syll. n. 4503, 6253
Ascochyta Salicifoliæ Trel. in Journ. of Myc. p. 14. — Ma-

culis numerosis, rotundatis, circ. 1 mm. diam., intense carneolis; peritheciis amplis, concoloribus; sporulis hyalinis, fusiformibus, sæpius leniter curvatis, 1-septatis, 3-4-guttulatis, 30-50 \approx 2-2,5.

Hab. in foliis Spirææ salicifoliæ, Wisconsin Amer. bor. — Primo obtutu *Septoriamascochytoideam* æmulans, sed ab ea maculis non obscure marginatis, sporulis minus longis differt.

25. **Septoria ceuthosporoides** Cooke et Hark. Journ. Myc. 1888, p. 41, *Cryptosporium ceuthosporoides* Cooke et Hark. Grev. IX, p. 127, Syll. III, p. 490. — Perithecia applanata, brunnea, tenuia, supra fissa; sporulæ hyalinæ, fusoidæ, curvæ, 18-20 \approx 3. In foliis emortuis Eucalypti in California.

26. **Septoria caa-guazuensis** Speg. Guar. I, p. 150. — Maculis epiphyllis, determinatis, inæqualiter angulosis, aridis, griseis, facile frustulatim secedentibus; peritheciis sparsis, atris, lenticularibus, 80-90 μ . diam., membranaceis, ostiolo impresso zona coriacea cincto pertusis, atris, contextu parenchymatico pellucido olivaceo; sporulis cylindræo-elongatis, utrinque obtusis, 16-20 \approx 1,5, subindistincte 2-3-septatis, nubiosis, hyalino-chlorinis.

Hab. ad folia dejecta Myrtaceæ cujusdam in silva subvirginea Caa-guazû Brasiliæ.

27. **Septoria Theæ** Cav. Mat. Lomb. p. 20, t. II, f. 8. — Peritheciis sparsis, superficialibus, applanatis, nigro-opacis, rugulosis, ostiolo prominenti 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 . long.

Hab. in foliis languidis Theæ viridis in horto botanico Pavia Ital. bor.

28. **Septoria aurantiicola** Speg. F. Puigg. n. 424. — Maculis amphigenis irregulariter expansis candidis, determinatis, zonula stricta fusco-subatra subnitente cinctis, peritheciis in maculis sparsis amphigenis globoso-conoideis 120-150 μ . diam. innatis, atris, astomis, spuriis? contextu fusco indistincto; sporulis filiformibus 40-50 \approx 2, falcatis, utrinque obtusis, grosse 1-guttulatis, hyalinis.

Hab. ad folia languida Citri Aurantii in hortis pr. Apiahy Brasiliæ.

29. **Septoria Rhois** Lév. in Demid. Voy. Ross. mer. et Crim. tab. V, f. 4. — Hypophylla; maculis fuscis, marginatis; peritheciis sparsis, raris, innatis, nucleo albido farctis, ostiolis inconspicuis; sporulis filiformibus, numerosis, 3-4-septatis, pellucidis.

Hab. in foliis Rhois Cotini, Orianda Tauriæ Rossæ merid.

30. **Septoria Toxicodendri** Curt. in Journ. myc. 1887, p. 77. — Maculis 6258
 fulvis, subangulosis, 3-5 mm. lat., margine brunneo, elevato,
 angusto; peritheciis nigris, convexis prominentibus aggregatis hy-
 pophyllis, 220-240 μ . diam.; sporulis hyalinis, cylindricis, curvis,
 3-5-septatis 35-40 \approx 3.

Hab. in foliis *Rhois Toxicodendri* in Pennsylvania.

31. **Septoria Rosæ-sinensis** Brun. Misc. mycol. pag. 19. — Maculis 6259
 rotundis, læte brunneo-olivaceis, margine brunneo exstante; peri-
 theciis hypophyllis, sparsis vel circulariter sitis, conicis, brunneis;
 sporulis filiformibus, curvis, continuis, hyalinis, 22-25 \approx 1-1,5.

Hab. in foliis *Hibisci Rosæ-sinensis* culti, Bordeaux Galliæ.

32. **Septoria Puiggarii** Speg. F. Puigg. n. 426. — Maculis parvulis 6260
 amphigenis fuscis determinatis, 1-2 mm. diam., sæpe zona obscu-
 riore cinctis; peritheciis lenticularibus membranaceis parenchyma-
 ticis, atris, 80-90 μ . diam., minute pertusis; sporulis obclavulato-
 fusoides, arcuatis, continuis, hyalinis, 40-60 \approx 2-2,5.

Hab. ad folia viva *Walteriæ* speciei cujusdam in pratis pr. Apiahy Brasilæ.

33. **Septoria æsculicola** (Fr.) Sacc. in Bull. Soc. myc. V, pag. 122, 6261
Depazea æsculicola Fr., Kretzschm. in Kl. n. 563. — Ab affini
Sept. æsculina Thuem. differt sporulis 20-30 \approx 1, h. e. brevioribus
 et multo tenuioribus.

Hab. in hypophyllo *Æsculi Hippocastani* in Germania.

34. **Septoria pachyspora** E. et Hol. in Journ. of Myc. I, pag. 6. — 6262
 Peritheciis epiphyllis, atris, 100-130 μ . diam., in maculis candidis,
 tenuibus, subangularibus vel fere pustulis, subrotundis latis, 1-2
 mm, margine purpureo-atro cinctis; sporulis arcuato-fusififormibus,
 4-6-septatis, 35-60 \approx 3, sæpe luteo-virentibus.

Hab. in foliis *Zanthoxyli americani*, in America boreali.

35. **Septoria acerella** Sacc. Syll. III, pag. 479 — var. **major** Brun. 6263
 Esp. Sphærops. p. 3. — Maculis minutis, atris; peritheciis amphi-
 genis, punctiformibus, nigris; sporulis bacillaribus, continuis, re-
 ctis curvulisve, granulosis, 15-32 \approx 2,5-3, hyalinis.

Hab. in foliis languidis *Aceris campestris*, Rochefort Galliæ.

36. **Septoria Myopori** Cooke et Mass. Grev. XVI, p. 113. — Epi- 6264
 phylla; maculis orbicularibus, albidis, linea fusca cinctis; perithe-
 ciis semiimmersis, punctiformibus, atris; sporulis linearibus fle-
 xuosis, guttulatis 40-50 \approx 2.

Hab. in foliis *Myopori insularis*, Melbourne Australiæ (CAMPBELL).

37. **Septoria Melastomatis** Pat. in Rev. Myc. 1886, p. 84. — Maculis obscure brunneis, amphigenis; peritheciis hypophyllis, minutis, numerosis, gregariis, nigris, lucidis, conoideis; sporulis elongatis, flexuosis, aculeatis, hyalino-viridulis, 5-6-septatis, 60-90 \times 5. 6265

Hab. in foliis *Melastomatis yunannensis*, Tsang-Chan Sinarum (AB. DELAVAY).

38. **Septoria Melastomatum** (Lév.) Berl. et Vogl. Add. Syll. n. 4679, 6266
Rhabdospora Melastomatum Lév. in Ann. Sc. Nat. 1863, p. 299.
— Peritheciis minutis, puncto micoribus, sparsis, globosis, epidermide tectis, prominulis, vertice pertusis, macula alba, arida fusco-cincta insidentibus; sporulis linearibus, continuis, cylindricis, utrinque obtusis, hyalinis.

Hab. ad folia *Melastomatis* cujusdam in Nova Granata.

39. **Septoria Mayteni** Wint. Exot. Pilze IV, pag. 12. — Peritheciis amphigenis dense gregariis, foliorum dimidiam partem superiorem, expallidam occupantibus, immersis, depresso globosis, fere lenticularibus, vertice primo concavo, demum parum convexo et emergente, late pertuso, atris, 170-200 μ . diam.; sporulis numerosissimis, cylindraceis, plerumque rectis, rarius perparum curvatis, utrinque rotundatis, haud raro basin versus parum attenuatis, subclavatis, ut videtur continuis, hyalinis, 21-30 \times 3,5. 6267

Hab. in foliis languidis *Mayteni* spec. Cap Horn. (HARIOT) et in foliis *M. magellanicae* in silvis Shammacus Fuegiæ (SPERGAZZINI). — In hac postrema forma perithecia subastoma, rugulosa, globulosa, coriacea; sporulae 15-25 \times 2,5-3, sæpe 1-septatae.

40. **Septoria? maytenicola** Speg. F. Fueg. n. 419. — Maculis nullis; peritheciis immersis vix prominulis, hinc inde densiuscule aggregatis, lenticularibus 150-180 μ . diam., atris, glabris, subcarbonaceis, contextu indistincto, ostiolo vix papillulato pertusis; sporulis cylindraceis, superne rotundatis, inferne acutatis 12-14 \times 1-1,5 continuis, rectis, hyalinis, basidiis brevissimis papillæformibus suffultis, paraphysibus filiformibus dense ramulosis obvallatis. 6268

Hab. ad folia dejecta putrescentia *Mayteni magellanicae* in silvis prope Shammacus Fuegiæ.

41. **Septoria? Winterii** Speg. F. Fueg. n. 423. — Maculis nullis; peritheciis laxè sparsis epivel rarius hypophyllis immersis vix prominulis lenticulari-globulosis 200 μ . diam., atris glabris coriacellis, contextu indistincto, ostiolo vix papillulato perforatis; spo- 6269

rulis cylindræis utrinque rotundatis 20-25 \approx 2-2,5 continuis, hyalinis, rectis, basidiis obovatis breviusculis 8-10 \approx 3-5 bisporis suffultis.

Hab. ad folia dejecta Drymidis Winterii in silvis prope Shammacus et in Staten island Fuegiæ. — Species inter *Phomam* et *Rhabdosporam* nutans. An huc *Sept. Drymios* Mont., cujus tamen perithecia 150 μ . et sporulæ 20 μ . metiuntur?

42. **Septoria Mikaniæ** Wint. Grev. XV, p. 92. — Maculis amphigenis, sparsis vel subgregariis, angulato-rotundatis vel irregularibus, sæpe lobatis repandisque, luteo-fuliginæis, centro sæpe exaridis albidisque, linea elevata lutea et zona indeterminata, purpurea, plus minusve lata circumdatis, usque 3 mm. latis, interdum confluentibus; peritheciis sparsis, immersis, subglobosis, poro pertusis, vertice demum erumpentibus, membranaceis, atris; sporulis filiformibus, utrinque parum attenuatis, flexuosis curvatisve, obscure tri-septatis, hyalinis, 18-29 \approx 1,5. 6270

Hab. in foliis vivis Mikaniæ, Sao Francisco Brasiliæ (ULE). 6271

43. **Septoria Coprosmae** Cooke in Grevillea XIV, p. 129. — Maculis orbicularibus, minutis, pallidis, nigro-limitatis; peritheciis paucis, semiimmersis, atris, pertusis; sporulis cylindræis, flexuosis, obsolete guttulatis, hyalinis, 30 \approx 2.

Hab. in foliis emortuis delapsisque Coprosmae, New Zealand Austral. (COLENSO).

44. **Septoria Symphoricarpi** E. et E. in Journ. of Myc. 1886, p. 38. 6272 — Maculis suborbicularibus, parvis, 1-2 mm. diam., albescentibus, margine obscuriore cinctis; peritheciis sublenticularibus, atris, epiphyllis, parvis, (1-5) prominulis; sporulis subcylindræis, sursum acutis, sæpe rectis, 20-40, sæpe 30-40 \approx 2, tenuissime 1-3-septatis.

Hab. in foliis Symphoricarpi, Valley City, Dakota Amer. bor. (Pr. B. SEYMOUR).

45. **Septoria Diervillæ** Peck 38 Rep. St. Mus. pag. 98. — Maculis 6273 suborbicularibus, albis vel cinereis, margine lato, indefinito, brunneo vel purpureo-brunneo cinctis; peritheciis epiphyllis, minutis nigris; sporulis filiformibus, curvis, flexuosis, exilibus, 25-40 μ . longis.

Hab. in foliis vivis vel languidis Diervillæ trifidæ in montibus, Adirondack Amer. bor.

46. **Septoria diervillicola** E. et E. in Journ. of Myc. I, 44 (sub *S.* 6274 *Diervillæ*). — Maculis brunneo-atris, 2-3 mm., plerumque margine crasso, inflato, atro-purpureo cinctis; peritheciis hypophyl-

lis, tenuibus, atris, innato-erumpentibus; sporidiis filiformibus, sæpe curvatis, nucleolatis, $25-35 \approx 4-1\frac{1}{2}$, viridibus.

Hab. in foliis vivis *Diervillæ trifidæ*, Magnolia Am. bor. (C. H. CLARKE). — «An a *S. Diervillæ* Peck satis distincta?».

47. **Septoria Tini** (Arc.) Sacc. *Phyll. Tini* Arcang. in Thüm. M. U. 6275
n. 1691. — Maculis fusco-cinereis, exaridis, irregularibus v. subpolygonis, margine purpureo; peritheciis punctiformibus, prominulis, subglobosis, poro pertusis; sporulis fusiformibus $20 \approx 3,3$, pluriguttatis, 1-septatis, hyalinis.

Hab. in foliis vivis *Viburni Tini*, Firenze Ital. med. — Socia adest *Ascochyta Tini* (ut videtur).

48. **Septoria Phillyreæ** (G. M.) Sacc. *Hendersonia Phillyreæ* G. 6276
Machado in Roum. Rev. Myc. 1888, p. 92. — Peritheciis punctiformibus, exiguis, in greges discretos hinc inde adproximatis, epiphyllis; sporulis filiformibus, $20 \approx 1-1,5$, guttulatis, hyalinis.

Hab. in foliis siccis *Phillyreæ mediæ* Pinsaguel, Haute-Garonne Galliæ.

49. **Septoria submaculata** Wint. in Journ. myc. 1887, pag. 76. — 6277
Maculis subangulosis, subrufis, 1-2 mm. diam., venulis limitatis, atro-purpureo-marginatis, subinde confluentibus, infra marginatis; peritheciis brunneo-nigricantibus, subglobosis, innatis, parcis, epiphyllis, 80μ . diam.; sporulis filiformibus, subflexuosis, continuis $16-28 \approx 1-1,5$.

Hab. in foliis *Fraxini americanæ*, Missouri Amer. bor.

50. **Septoria Elæagni** (Chev.) Desm. Esp. Sept. p. 4, *Depazea* Chev. 6278
Fl. Paris p. 453. — Maculis epiphyllis, minutis, rotundatis, 2-4 mm. diam., quandoque confluentibus, albidis, exaridis, ambitu brunneo cinctis; peritheciis minutissimis, nigris, subglobosis, ore orbiculari apertis; sporulis anguste cylindricis, obtusis, curvis, raro rectis, septulatis, 4-7-guttulatis, in cirros albidos expulsis, $18-20 \mu$. longis.

Hab. in foliis *Elæagni angustifoliæ* in Gallia bor.

51. **Septoria Loniceræ** Allesch. Bot. Centr. 1890, II, p. 77. — Macu- 6279
lis orbicularibus, sæpe confluentibus, pallide viridulis, dein magnis expallentibus, vix saturatius marginatis; peritheciis epiphyllis, lenticularibus, poro amplo pertusis; sporulis filiformibus, rectis v. curvulis, utrinque obtusulis, $30-40 \approx 1,5$, hyalinis.

Hab. in foliis *Loniceræ Xylostei* pr. Siegsdorf in Bavaria sup.

52. **Septoria Empetri** Rostr. Fung. Groenl. p. 574. — Peritheciis 6280

epiphyllis, sparsis hemisphæricis, majusculis, nitidis; sporulis fasciculatis, acicularibus, 1-3-septatis, 20-25 \approx 1-1,5.

Hab. in foliis *Empetri nigri*, Kekertak Groenlandiæ (RYDER).

53. **Septoria Chimophilæ** E. et E. Journ. Myc. 1887, p. 85. — Maculis amphigenis, albis, purpureo-limbatis; peritheciis sæpius epiphyllis, sparsis, sublenticularibus; sporulis acicularibus, 20 \approx 1. 6281

Hab. in foliis *Chimophilæ maculatæ*, Faulkland Amer. bor. (COMMONS).

54. **Septoria Unedonis** Rob. et Desm. — Syll. III, pag. 493 — var. **vellanensis** Br. et Cav. F. Parass. fasc. V, n. 121. — Maculis amphigenis, numerosis, irregularibus brunneo-rubentibus vel violaceis, demum aridis et centro albidis; peritheciis paucis, nigris, subprominulis; sporulis filiformibus, manifeste multiseptatis, 50-80 μ . long. 6282

Hab. in foliis *Arbuti Unedonis*, Vellano in pr. Lucca Italiæ.

55. **Septoria Arbuti** Passer. Diagn. F. N. IV, p. 13. — Maculis amplis, vagis, griseis, fusco marginatis; peritheciis amphigenis, gregariis punctiformibus tectis, passim circinantibus; sporulis cylindricis rectis vel curvulis, integris, hyalinis, 10-15 \approx 1,3. 6283

Hab. in foliis languidis *Arbuti Unedonis* culti, Parma.

56. **Septoria Linnææ** (Ehrenb.) Sacc. in Bull. Soc. myc. V, p. 121. **Sphæria (Depazea) Linnææ** Ehrenb., Lasch in Kl. n. 363. — Maculis amphigenis, suborbicularibus, albis, vix marginatis; peritheciis punctiformibus, nigricantibus, epiphyllis; sporulis filiformibus, subcurvis, 45-50 \approx 1-1,5, hyalinis, 6-7-septulatis. 6284

Hab. in foliis *Linnææ borealis*, Driesen Germaniæ. — *Sept. Linnææ* (Ehrenb.) Br. et Har. Journ. Bot. 1891, p. 171, species eadem videtur sed maculæ albæ foliorum describuntur brunneo-roseo-marginatæ et sporulæ 40-70 \approx 2-3. Hæc postrema lecta fuit in eadem matrice pr. Berolinum.

57. **Septoria Caryæ** E. et E. Journ. Myc. 1887, p. 80. — Maculis amphigenis, castaneo-brunneis, infra pallidioribus, irregularibus, definite limitatis et circumcirca flaventibus; peritheciis copiosis, minutis, nigris, amphigenis; sporulis 12-16 \approx 1,2-1,5, sæpius fortiter curvatis, nucleatis. 6285

Hab. in foliis *Caryæ*, Delaware Amer. bor. (COMMONS).

58. **Septoria musiva** Peck in Thirty-fifth Rept. St. Mus. Bot. 1884, p. 138. — Maculis parvis, numerosis, angularibus, brunneis, sæpe areolis pallidioribus, minutis, angularibus variegatis; peritheciis paucis, epiphyllis, depressis, nigris vel nigrescentibus; sporulis cy- 6286

lindraccis subtilibus, curvulis quandoque obscure triseptatis, 30-35, hyalinis.

Hab. in foliis Populi moniliferæ, Albany Amer. bor. — A *Sept. Populi* maculis musivo-variegatis et septatione sporularum diversa.

59. **Septoria osteospora** Briard Rev. Myc. 1890 Oct. — Peritheciis 6287 plus minus gregariis, globosis, erumpentibus, nigris, $\frac{1}{8}$ - $\frac{1}{7}$ mm. diam., amphigenis, nucleo albo; sporulis minutis, numerosis, cylindraccis, utrinque truncatis et subcrassioribus, continuis, hyalinis, 10-12 \approx 2-2,5.

Hab. in foliis Populi nigræ dejectis, Troyes Galliæ (BRIARD).

60. **Septoria populicola** Peck 40 Rep. p. 61. — Maculis suborbicu- 6288 laribus, rubentibus vel brunneolis, supra anguste atro-marginatis, infra griseis; peritheciis hypophyllis, parcis, pallidis, late pertusis; sporulis filiformibus, curvis 2-4-septatis, 65-75 \approx 3-4.

Hab. in foliis vivis Populi balsamiferæ, Keene Americæ borealis.

61. **Septoria blennorioides** (Karst.) Berl, et Vogl. Add. Syll. n. 4489, 6289 *Phoma blennorioides* Karst. Symb. XV, p. 153. — Peritheciis gregariis, epidermide laciniatim rupta cinctis, forma variis, ut plurimum subsphæroideis, deinde ore lato apertis, atris, 80-150 μ . diam.; sporulis bacillaribus vel filiformibus, rectis, eguttulatis hyalinis, 7-18 \approx 1-2.

Hab. in pag. sup. foliorum exsiccatorem Salicis pendulæ in agro mustialensi Fenniæ.

62. **Septoria didyma** Fuck. — Sacc. Syll. III, pag. 501 — var. **san-** 6290 **tonensis** Pass. in litt. Brunaud in Rev. Myc. 1886, p. 142. — Maculis subangulosis vel irregularibus, brunneis, subinde centro griseo-brunneis, margine subtili, obscuriore; peritheciis minutis, brunneo-nigris; sporulis cylindraccis vel subfusiformibus, medio 1-septatis, subrectis vel curvatis, 22,6-38 \approx 4-5, hyalinis v. subhyalinis, granulosis.

Hab. in foliis Salicis albæ, Saintes, Chaniers Galliæ.

63. **Septoria ? fagicola** Speg. F. Fueg. n. 416. — Peritheciis erum- 6291 penti-superficialibus, innatis, sparsis amphigenis globuloso-depressis 180-200 μ . diam. atris, glabris subcarbonaceis, contextu indistincto, astomis? per ætatem lacero-dehiscentibus ac sæpius sporulis exsiliantibus griseo-pruinulosis; sporulis cylindraccis utrinque acutiusculis 18-25 \approx 2-2,5, continuis, rectis, hyalinis.

Hab. ad folia viva v. languida Fagi betuloidis in silvis in

Fuegia prope London island. — Species a genere nonnihil defle-
ctens, nunc *Phomam* nunc *Rhabdosporam* accedens.

64. **Septoria serpentaria** Ell. et Mart. Am. Not. 1884, p. 70. — 6292

Maculis castaneo-brunneis, demum obscuris, margine obsoleto, 1
mm. diam.; peritheciis atris, subglobosis, innatis, epiphyllis, 156-
140 μ . d.; sporulis subhyalinis, cylindræis, curvatis, 82-108 \approx 4.

Hab. in foliis *Quercus laurifoliæ*, New Florida Amer. bor.

65. **Septoria acuum** Oud. Aanw. IX-X, p. 32. — Peritheciis.....; 6293

sporulis breviter bacilliformibus, hyalinis, continuis, 16-18 \approx 2 $\frac{1}{3}$ -
2 $\frac{1}{2}$, vertice non latioribus.

Hab. in acubus *Pini silvestris*, Wageningen Hollandiæ.

66. **Septoria Colensoi** Cooke in *Grevillea* XIV, pag. 89. — Macu- 6294

lis suborbicularibus, albidis, margine elevato, purpureo-lineato; pe-
ritheciis paucis, semiimmersis, punctiformibus, atris; sporulis re-
ctis flexuosisve, linearibus, multinucleatis, hyalinis, 5 \approx 1.

Hab. in foliis coriaceis plantæ ignotæ (suffruticis?) New Zealand.

67. **Septoria Hu** Speg. Guar. I, p. 150. — Maculis nullis v. pallescen- 6295

tibus, effusis, amphigenis, indefinitis; peritheciis sparsis v. aggre-
gatis, lenticularibus, 100 μ . diam., membranaceis, atris, ostiolo pa-
pillulato pertusis, contextu grosse parenchymatico, pellucido, oli-
vaceo; sporulis tereti-elongatis, 18-20 \approx 2, utrinque subtruncato-
rotundatis, rectis vel curvulis, 1-septatis, haud constrictis, hya-
linis.

Hab. ad folia emortua in colle Cerro Hú vocato prope Para-
guarî Brasiliæ.

II. In *Dicotyledoneis herbaceis*.

68. **Septoria Thalictri** E. et E. Journ. Myc. 1888, p. 49. — Maculis 6296

amphigenis sparsis, suborbicularibus, sordide purpureo-brunneis,
demum albidis, saturatius marginatis, 2-4 mm. diam.; peritheciis
minutissimis, innatis, sparsis, pallidis, contra lucem tantum con-
spicuis; sporulis filiformibus, continuis, subrectis, 35-55 \approx 1-1,2.

Hab. in foliis *Thalictri purpurascens*, Manhattan Kan-
sas Amer. bor. (KELLERMAN et SWINGLE). — Cum *Sphærella Tha-*
lictri genetice connexa videtur.

69. **Septoria Aquilegiæ** E. et K. Journ. Myc. 1887, p. 38. — Macu- 6297

lis brunneis, subangulosis, 2-4 mm. lat., atro-brunneo-marginatis,
sæpe confluentibus; peritheciis brunneis lenticularibus, innatis, sub-
prominulis, sparsis, subnumerosis, membranaceis, tenuissimis, am-

phigenis, 60-80 μ . diam.; sporulis hyalinis, linearibus, subcurvis, vix guttulatis, 25-30 \approx 1.

Hab. in foliis Aquilegiæ vulgaris, Ohio Amer. bor.

70. **Septoria Penzigii** Cocc. et Mor. Enum. Funghi della provincia 6298 di Bologna, Cent. III, p. 25, t. II, f. 28-31. — Peritheciis sparsis v. subappropinquatis, membranaceo-carbonaceis, in maculis albidis, zona brunnea, inæqualiter lata cinctis insidentibus, tectis, dein erumpentibus, globulosis, 80-95 μ . diam.; sporulis linearibus, hyalinis, septatis undulatisque, 16-24 \approx $\frac{3}{4}$ -1.

Hab. in foliis Aquilegiæ vulgaris pr. Campi di Lustrola, Bologna Ital. med.

71. **Septoria Trientalis** (Lasch) Sacc. in Bull. Soc. Myc. 1890, V, 6299 p. 121, *Sphæria* (*Depazea*) *Trientalis* Lasch in Kl. n. 364. — Maculis minutis, amphigenis, orbicularibus, candidis, obsolete fusco-limbatis; peritheciis punctiformibus, atris; sporulis filiformibus, curvulis, 24-28 \approx 1, hyalinis, continuis.

Hab. in foliis languidis Trientalis, Driesen Germaniæ. — Diversa a *S. increscens* Peck.

72. **Septoria Berteroæ** Thüm. — Syll. III, p. 519. — Sec. Celotti Mic. Montp. p. 29, sporulæ sunt 40-60 \approx 2. Nascitur quoque in foliis vivis Berteroæ incanæ, Montpellier Galliæ.

73. **Septoria Dentariæ** Peck in 38 Rep. St. Mus. p. 97. — Maculis 6300 latis, suborbicularibus, indefinitis, virescentibus; peritheciis minutis, numerosis, vix prominulis, epiphyllis, atris; sporulis filiformibus, subrectis, 20-30 μ . longis.

Hab. in foliis vivis vel languidis Dentariæ diphyllæ, in montibus Adirondack Amer. bor.

74. **Septoria arabidicola** Rostr. Fung. Groenl. p. 574. — Peritheciis 6301 sparsis, majusculis, hemisphæricis; sporulis cylindræis, utrinque obtusis, rectis, 1-septatis, 10-14 \approx 3.

Hab. ad caules et siliquas Arabidis alpinæ Sermersut Groenlandiæ (WARMING et HOLM). — «Potius *Rhabdosporæ* species».

75. **Septoria astragalicola** Peck Torr. Bot. Club. vol. XII, n. 4. — 6302 Maculis indefinitis v. obsoletis; peritheciis hypophyllis, lenticularibus, 125-175 μ . lat., atris; sporulis subcylindræis, constrictis vel leniter curvatis, obtusis, 40-60 \approx 5-6, subinde plurinucleatis.

Hab. in foliis vivis vel languescentibus Astragali pr. Arizona Amer. bor. (M. E. JONES).

76. **Septoria Anthyllidis** Sacc. in Barbey Fl. Sard. Comp. p. 249. — 6303 Maculis vagis, arescendo albicantibus, immarginatis, subinde folium

totum occupantibus; peritheciis punctiformibus, lenticularibus, pertusis, 60-100 μ . diam.; sporulis bacillaribus, leniter curvis, 25-30 \approx 1, obsolete guttulatis, hyalinis.

Hab. in foliorum pag. inf. Anthyllidis Vulnerariæ prope Sassari Sardinia.

77. **Septoria Lathyri** Ell. et Ev. Journ. Myc. 1889, p. 149. — Pe 6304
 ritheciis amphigenis, gregariis, prominulis, plerumque in soros 2-4 mm. diam., aggregatis ibique foliis leviter atratis; sporulis bacillaribus, hinc attenuatis, illinc subtruncatis, tenuiter nucleolatis, 20-30 \approx 1,2.

Hab. in foliis emortuis Lathyri latifolii culti, Newfield N. J. Amer. bor.

78. **Septoria Fautreyana** Sacc., *Septoria Lathyri* Fautr. Rev. Myc. 6305
 1891, p. 80, nec E. et E. — Maculis epiphyllis indefinitis v. obsoletis; peritheciis pallidis, majusculis, prominulis, molliusculis, sparsis, copiosis; sporulis filiformibus flexuosis, 3-4-septatis, 80-100 \approx 3-4, hyalinis.

Hab. in foliis subviviis Lathyri silvestris in silvis abietinis pr. Epoisses, Côte-d'Or Gallia.

79. **Septoria Molleriana** Bres. Rev. Myc. 1891, pag. 68. — Maculis 6306
 amphigenis, pallidis, zona rufa marginatis, circularibus; peritheciis laxè gregariis, innato-prominulis, subsphæroideis, nigris, 70-80 μ . diam., contextu parenchymatico; sporulis cylindræis, utrinque attenuato-obtusis, curvulis, 5-septatis, 25-30 \approx 3-4.

Hab. in foliis Canavaliæ obtusifoliæ, St. Thomé prope S. José in sinu Guineæ (MOLLER).

80. **Septoria Meliloti** (Lasch) Sacc. Bull. Soc. Myc. V, p. 122, *Sphæ-* 6307
ria (*Depazea*) *Meliloti* Lasch in Kl. n. 370. — Maculis amphigenis subcircularibus, minutis, pallidis, margine lineatim subelevato cinctis; peritheciis punctiformibus, late pertusis, fusco-nigricantibus; sporulis cylindræis, utrinque rotundatis, 3-septatis, 21-22 \approx 4, ex hyalino chlorinis; basidiis brevissimis.

Hab. ad folia Meliloti vulgaris, Driesen Germaniæ. — Cl. Oudemans (Contr. Myc. 1886, p. 50) ducit *Sph. Meliloti* Lasch. ad suam *Cercosporam Meliloti*; exemplar Laschianum ab eo visum tale certe fuit, sed quod mihi prostat *Septoriam* sistit; hoc tamen non mirum ubi consideremus eandem foliorum areolam sæpissime simul v. successive *Cercosporas Septoriasque* inhabitare.

81. **Septoria cassiæcola** Kell. et Swingle Journ. Myc. 1888, p. 94. 6308
 — Peritheciis late sparsis, copiosis, amphigenis, parvis, subimmer-

sis, nigris, 70-90 μ diam.; sporulis filiformibus, rectis v. subcurvis, continuis, hyalinis, 20-40 (sæpius 36) \approx 1,5.

Hab. in foliis seminalibus seu cotyledonibus languidis Cassiæ Chamæcristæ, Manhattan, Kansas Amer. bor.

82. **Septoria Glycyrrhizæ** E. et K. Journ. Myc. 1888, p. 27. — Ma- 6309
culis sordide brunneis, subindefinitis, subirregularibus, 2-6 mm. diam.; peritheciis epiphyllis, minutis, copiosis, inconspicuis; sporulis cylindræo-clavatis, 40-60 \approx 3, continuis.

Hab. in foliis vivis Glycyrrhizæ lepidotæ, Rooks Co., Kansas Amer. bor. (E. BARTHOLOMEW).

83. **Septoria Fragariæ** Desm. — Syll. III, pag. 511. — Var. **verna** 6310
Brun. Mat. Myc. Saint. p. 26. — Maculis brunneis, irregularibus, expallentibus, rufo-brunneo-marginatis; peritheciis perexiguis, parvis; sporulis rectis, cylindricis, obsolete 3-septatis, 4-guttulatis, hyalinis, 15-25 \approx 1,5.

Hab. in foliis languidis Potentillæ vernæ, Saintes Galliæ.

84. **Septoria purpurascens** E. et M. Journ. Myc. 1887, pag. 69. — 6311
Maculis purpurascensibus, 2-5 mm. diam. sæpe confluentibus; peritheciis atris, subglobosis, innatis, subprominulis, hypophyllis sparsis, 150 μ . diam.; sporulis cylindrico-clavatis, hyalinis, sæpe curvis, 3-septatis, 40-45 \approx 3, in massam ejectis.

Hab. in foliis Potentillæ norvegicæ, New York Americæ borealis.

85. **Septoria Agrimonie-Eupatorii** Bomm. et Rouss. Contr. Myc. Belg. 6312
III, p. 20. — Peritheciis epiphyllis, copiosis, minutis, nigris, in macula amphigena pallide brunnea orbiculari vel irregulari sitis; sporulis filiformibus, leviter flexuosis, 30-54 \approx 2-2,5, granulosis, hyalinis.

Hab. in foliis Agrimonie Eupatorii, Yvoir Belgii.

86. **Septoria Comari** Lasch in Rab. F. Eur. n. 554 (*Spilosphæria*) 6313
absque diagu.

Hab. in foliis Comari in Germania.

87. **Septoria semilunaris** Johans. Svamp. fran Island. p. 173. — Pe- 6314
ritheciis sparsis, superficialibus, productis, siccitate depressis; sporulis fusoides, curvulis, acutiusculis, plerumque innatis, simplicibus, eguttulatis, hyalinis, 10-15 \approx 3-5.

Hab. in pedunculis emortuis Dryadis octopetalæ Eskifjördur Islandiæ orientalis.

88. **Septoria Dalibardæ** Peck 38 Rep. -St. Mus. pag. 97. — Maculis 6315
minutis, albescentibus v. cinereis, rufo-brunneo-marginatis; peri-

theciis minutis, epiphyllis, raris, atris; sporulis filiformibus, subrectis, 37-50 μ . longis.

Hab. in foliis vivis Dalibardæ repentis, Caroga Amer. bor.

89. **Septoria nivalis** Rostr. Fung. Groenl. pag. 573. — Peritheciis 6316
dense aggregatis, globulosis, minutissimis; sporulis fusiformibus, lunulatis, utrinque acutatis, chlorinis, guttulatis, 25 \approx 4.

Hab. in pedunculis Saginæ nivalis, Upernivik Groenlandiæ (ROSENVINGE).

90. **Septoria Viscariæ** Rostr. F. Groenl. p. 573. — Peritheciis epi- 6317
phyllis, aggregatis, in cirros albidos expulsis; sporulis cylindrico-acicularibus, 18-20 \approx 2-3.

Hab. in foliis subvivi Viscariæ alpinæ, Sukkertoppen Groenlandiæ (WARMING et HOLM).

91. **Septoria Lychnidis** Desm. — Syll. III, p. 517. — Var. **pusilla** 6318
Trail Scot. Nat. 1887, p. 89, Grev. XV, p. 109. — A typo dif- fert sporulis tantum 1-4-septatis, 35-50 \approx 1,5-2.

Hab. in foliis vivis Lychnidis diurnæ pr. Aberdeen Scotiæ.

92. **Septoria Noctifloræ** E. et K, Journ. Myc. 1887, p. 66. — Ma- 6319
culis pallidis, rotundis vel ovatis, 2-3 mm. lat., margine angusto læte brunneo; peritheciis subglobosis, læte brunneis, tenuissimis, innatis, subprominulis, epiphyllis, 85-95 μ . diam.; sporulis subfusiformibus, 1-septatis, 30-36 \approx 2-2,5, hyalinis.

Hab. in foliis Silenes noctifloræ, Kansas Amer. bor.

93. **Septoria dianthophila** Speg. F. Puigg. n. 425. — Maculis nullis; 6320
peritheciis sparsis, lenticularibus, poro latiusculo, 15 μ . diam. pertusis, tectis, 70-100 μ . diam.; sporulis subcylindræis, vix curvulis, continuis vel 1-septatis, hyalinis, 20-25 \approx 2,5, utrinque obtusulis.

Hab. ad caules exsiccatos Dianthi Caryophylli in hortis prope Apiahy Brasilæ. — Species *S. Sinarum* et *S. Carthusianorum* peraffinis, satis, ut videtur, tamen distincta.

94. **Septoria paraphysoides** Speg. F. Fueg. n. 420. — Maculis nul- 6321
lis, sed matrice tota expallente; peritheciis sparsis, folii- v. cauliculis lenticularibus, 60-80 μ . diam., immersis, tenuissime membranaceis, contextu dense parenchymatico, fuligineo, ostiolo minuto impresso pertusis; sporulis cylindræis, utrinque obtusis, 35-40 \approx 1,5, flexuosulis, 1-3-septatis, non constrictis, hyalinis, corpuscula obovata minuta (an ascos immaturos?) obvallantibus.

Hab. ad folia caulesque emortua Stellariæ debilis in herbosis pr. Shammacus Fuegiæ.

95. **Septoria Telephii** Karst. Myc. Fenn. XXVIII, p. 43. — Perithe- 6322
ciis sparsis, erumpenti-superficialibus, sphæroideis v. ovoideis, poro
pertusis, atris, punctiformibus; sporulis filiformibus, rectis v. sub-
flexuosis, pluriguttulatis, hyalinis, 50-75 \times 1,5-2,5.
- Hab.* in foliis Sedi Telephii siccis ad Aboam Fennicæ (ONNI
KARSTEN). — A *Septoria Sedi* West. maculis nullis, peritheciis
atris sporulisque filiformibus pluriguttulatis differt.
96. **Septoria Noli-tangere** Ger. Torr. Bot. Cl. 1873-74, pag. 64. —
Species homonyma Thümenii — Syll. III, p. 514 — videtur eadem,
sed est posterior (1880). Species Gerardiana lecta est in foliis Im-
patientis, Ohio et New York Amer. bor. et præbet perithecia 70
 μ . diam., sæpius epiphylla et sporulas 15-30 \times 2, curvulas.
97. **Septoria Oxalidis-japonicæ** Pat. in Rev. Myc. 1886, p. 84. — 6323
Peritheciis minutis, brunneo-nigris, macula rufescente insidentibus;
sporulis bacillaribus, numerosissimis, 30-40 \times 2, utrinque acutatis,
incurvatis, septulatis.
- Hab.* in foliis Oxalidis japonicæ, Thibet orient. Asiæ (Ab.
DAVID).
98. **Septoria malvicola** Ell. et M. Journ. Myc. 1887, p. 65. — Ma- 6324
culis griseis, venulis partim limitatis, 2-3 mm. diam., gregariis
confluentibusque, zona flavida cinctis; peritheciis nigris, subglobo-
sis, dein depressis, tenue membranaceis, gregatis, numerosis, sæ-
pius epiphyllis, 90-100 μ . diam.; sporulis linearibus, hyalinis, utrin-
que obtusis, leniter curvis, tenuiter 3-4-septatis, 36-37 \times 1.
- Hab.* in foliis Malvæ rotundifoliæ, New York Amer. bor.
99. **Septoria Fairmani** Ell. et Ev. Journ. Myc. 1889, p. 151. — Ma- 6325
culis amphigenis, sparsis, subangulosis, 3-4 mm. diam., atro-brun-
neis, venulis sæpius limitatis, anguste atro-marginatis; peritheciis
epiphyllis, sat copiosis, sparsis, atris, 100-112 μ . diam. prominulis;
sporulis filiformibus, curvulis, nucleatis, 30-45 \times 1,5-2, hyalinis.
- Hab.* in foliis vivis Althææ roseæ, sociâ *Phyllostictæ althæi-
næ* forma microspora (sp. 3-4 \times 1,5-2), Lyndonville N. Y. Amer.
bor. (FAIRMAN).
100. **Septoria parasitica** Fautr. Rev. Myc. 1891, p. 79. — Maculis 6326
albidis, epiphyllis; peritheciis punctiformibus, innatis; sporulis cy-
lindræis, 30-40 \times 3,5-4.
- Hab.* in foliis Althææ roseæ, Noidan, Côte-d'Or Gallicæ. —
Socia adest *Ascochyta parasitica* Fautr. loc. cit., sporulis 6-9 \times
3,5-4.
101. **Septoria albicans** Ell. et Ev. Proc. Phil. 1891, p. 81. — Ma- 6327

culis orbicularibus, castaneo-brunneis, subindefinitis, 2-4 mm. diam., supra leviter depressis, infra convexulis; peritheciis minutissimis, 40-50 μ . diam., epiphyllis, centro maculæ confertis; sporulis filiformibus 50-75 \approx 1,5, tenuiter nucleatis, hyalinis, subrectis, mox ejectis et matricem leviter dealbantibus.

Hab. in foliis Saxifragæ pensilvanicæ, Genoa Junction Wis. Amer. bor. (DAVIS). — Perithecia verisimiliter majora, si sporulæ 50-75 μ . longæ describuntur.

102. **Septoria Dearnessii** Ell. et Ev. Journ. Myc. 1889, pag. 151. — 6328

Maculis amphigenis, atro-brunneis, irregularibus, angulosis, 1-5 mm. diam.; peritheciis innatis, minutis, leviter prominulis, contextu obsoleto; sporulis in cirros albos ejectis, 15-22 \approx 1,5, subrectis, continuis, eguttulatis.

Hab. in foliis Archangelicæ atro-purpureæ, London Canada (DEARNESS). — Ad *Cylindrosporium* nutat.

103. **Septoria Saniculæ** E. et E. Journ. Myc. 1888, p. 44. — Macu- 6329

lis parvis, irregularibus, subindefinitis, brunneis, maculas minores, $\frac{1}{2}$ -1 mm. lat., albas includentibus; peritheciis 1-3 in quaque macula minore, nigris; sporulis spiculiformibus, subcurvulis circ. 20 \approx 1 vel minoribus.

Hab. in foliis vivis Saniculæ marylandicæ, Racine, Wisconsin Amer. bor. (Dr. J. J. DAVIS).

104. **Septoria Cryptotæniæ** Ell, et Rau Journ. Myc. 1887, p. 50 et 6330

1889, p. 151. — Maculis albis, demum brunneis, angulosis, venu-
lis limitatis; peritheciis epiphyllis, erumpentibus, nigris, depresso-
globosis, 100-120 μ . diam.; sporulis filiformibus, flavidis, utrinque
tenuatis, tenuiter nucleolatis, leviter curvis, 20-30 \approx 1,2-1,5.

Hab. in foliis Cryptotæniæ canadensis, Pennsylvania et Delaware Amer. bor.

105. **Septoria apiicola** Speg. F. Fueg. n. 415. — Maculis amphige- 6331

nis, irregularibus 2-8 mm. diam. centro albicantibus, inferne inde-
terminatis ac zonula obscuriore cinctis; peritheciis centralibus pau-
cis laxè aggregatis prominulis atris lenticularibus 60-80 μ . diam.
tenui-membranaceis, contextu parenchymatico, olivascente, ostiolo
minuto impresso; sporulis filiformibus utrinque acutiusculis, 30-
45 \approx 1,5 hyalinis, 3-7-septatis, non constrictis, flexuosulis.

Hab. ad folia viva vel languida Apii australis ubique in Staten island et Fuegia.

106. **Septoria antarctica** Speg. F. Fueg. n. 414. — Maculis amphige- 6332

genis pallescentibus orbicularibus 1-3 mm. diam, determinatis; pe-

peritheciis centro pauci-aggregatis immersis, lenticularibus 60-90 μ . diam. tenuissime membranaceis, contextu parenchymatico vix perspicuo pallide olivaceo, ostiolo impresso minuto; sporulis filiformibus utrinque obtusiusculis 30-40 \approx 1 rectis v. flexuosulis, minute denseque guttulatis (an septulatis?), hyalinis.

Hab. ad folia languida *Chrysosplenii macranthi* in Picton island Fuegiæ.

107. **Septoria posoniensis** Bäumler in Hedw. 1885, pag. 75. — Peritheciis in maculis rotundatis seu irregularibus, griseo-viridulis vel cinereis, margine angusto, obscuriore cinctis, epiphyllis, gregariis, minutissimis, immersis, globosis, ostiolo pertuso erumpentibus, tenuissime membranaceis, fuscidulis, 60-90 μ . diam.; sporulis filiformibus, tenuissimis, flexuosis, 20-40 \approx 1, hyalinis. 6333

Hab. in foliis vivis *Chrysosplenii alternifolii* prope Pressburg Hungariæ.

108. **Septoria Eryngii** West. V. Not. 31 (nec Pass.). — Maculis amphigenis, irregularibus, angulosis, a nervis foliorum limitatis, albidis, subinde brunneo-cinctis; peritheciis minutis, nigris, sparsis, maculas griseo colorantibus; sporulis in cirrum albidum exeuntibus, cylindraceis, rectis, 50 \approx 2,5. 6334

Hab. in foliis *Eryngii maritimi* in Belgio. — *S. Eryngii* Pass. Syll. III, p. 532, monente cl. Oudemans in litt., diversa est et nominetur **S. eryngicola** Oud. et Sacc.

109. **Septoria Weissii** Allesch. in Allesch. et Schnabl. Fungi bav. n. 186. — Maculis nullis; peritheciis ut plurimum hypophyllis, rotundatis, depressis, fuscis; sporulis filiformibus, arcuatis vermicularibusve, utrinque obtusis, guttis numerosis farctis vel multiseptatis, hyalinis, 50-80 \approx 2-3. 6335

Hab. in pagina inferiore foliorum *Chærophylli hirsuti* prope Oberammergau Bavar. sup. (ALLESCHER).

110. **Septoria Centellæ** Wint. Grev. XV, p. 92. — Maculis sparsis v. subgregariis, plerumque magnis, rotundatis vel irregularibus, sæpe angustatis, usque 5 mm. latis, haud raro confluentibus, fuligineis, centro pallidiori, arescendo griseis v. albicantibus, zona lata, atropurpurea, indeterminata cinctis; peritheciis in centro macularum gregariis sparsisve, minutis, globosis, atris, vertice erumpentibus, poro pertusis; sporulis filiformibus, tenuissimis, rectis vel subflexuosis, indistincte pluri-septatis, utrinque attenuatis, hyalinis, 30-45 \approx 2. 6336

Hab. in foliis vivis *Centellæ asiaticæ*, Sao Francisco Bra.

siliæ (ULE). — A ceteris speciebus *Septoriæ* in *Hydrocotyle* parasiticis maculis et sporularum longitudine valde differt.

111. **Septoria Osmorrhizæ** Peck 39 Rep. p. 46. — Maculis minutis, 6337 subangulosis vel irregularibus, brunneis; peritheciis epiphyllis 100-125 μ . diam., leviter exstantibus, centro depressis, rufo-brunneis vel succineis; sporulis filiformibus, plus minus curvis vel flexuosis, hyalinis, 50-60 \times 4, in cirrum albidum ejectis.

Hab. in foliis vivis *Osmorrhizæ longistylæ*, Schoharie Amer. bor.

112. **Septoria unicolor** Wint. in Journ. of Myc. 1885, p. 123. — 6338 Maculis angulosis vel rotundatis, olivaceis, plerumque determinatis, rarius indeterminatis, concolori-marginatis, usque 5 mm. magnis, sed plerumque minoribus; peritheciis epiphyllis, minutissimis, sparsis, globosis, tenuissime membranaceis; sporulis filiformibus, sæpe flexuosis, hyalinis, non vel vix visibile septatis, 36-32 \times 1.

Hab. ad folia viva *Mulgedii acuminati*, Missouri Amer. bor. — A *Septoria Mulgedii* et aliis speciebus in Compositis lectis valde diversa.

113. **Septoria consimilis** E. et M. in Journ. of Myc. I, p. 100. — 6339 Maculis brunneis, non definite limitatis $\frac{1}{2}$ -1 cm. diam.; peritheciis brunneis, subglobosis, innatis, amphigenis, 90-100 μ ., sparsis in parte superiore macularum, in utraque pagina foliorum conspicuis; sporulis filiformibus, multinucleatis, leniter curvatis, sæpe utrinque obtusis, 30-45 \times 2-2 $\frac{1}{2}$, hyalinis.

Hab. in *Lactuca culta* Geneva et Newfield Amer. bor. (ARTHUR). — Nonnullis notis a *Sept. Lactuæ* certe distinguenda.

114. **Septoria Prenanthis** Ell. et Ev. Journ. Myc. 1889, p. 150. — 6340 Maculis sparsis, suborbicularibus, sordide albis purpureo-marginatis 2-3 mm. diam., tenuibus; peritheciis amphigenis, sparsis, suberumpentibus, flavidis; sporulis filiformibus, curvulis, continuis, 15-22 \times 1-1,2.

Hab. in foliis *Prenanthis*, Racine Wis. Amer. bor. (DAVIS).

115. **Septoria centaureicola** Brun. Champ. Saint. 1887, p. 430. — 6341 Maculis orbicularibus, brunneo-purpureis, centro albescentibus; peritheciis epiphyllis, parcis, punctiformibus, nigris; sporulis filiformibus, rectis v. subflexuosis, 60-65 \times 1-1,5, continuis, hyalinis.

Hab. in foliis *Centaureæ Scabiosæ*, Rochefort Gallia.

116. **Septoria Commonsii** Ell. et Ev. Journ. Myc. 1889, p. 150. — 6342 Maculis atro-brunneis, subrotundis, 2-4 mm. diam., centro albidis, infra tomento obscuratis; peritheciis epiphyllis, minutis, aggregatis,

atris, subprominulis; sporulis filiformibus, leniter curvis, continuis, nucleolatis, 25-40 \approx 1-1,2.

Hab. in foliis Cnici altissimi, Faulkland Del. Amer. bor. (COMMONS). — A *Sept. Cirsii* maculis diversa.

117. **Septoria nubilosa** E. et E. Proc. Ac. Phil. 1891, p. 76. — Af. 6343
finis *S. Helenii*, a qua differt maculæ definitæ defectu, peritheciis minutis, epiphyllis, prominulis, in soros orbiculares 0,5-1 cm. lat. collectis; sporulis bacillaribus, 25-30 \approx 1,5-2 nucleatis, uno apice acutioribus.

Hab. in foliis Helenii autumnalis, Racine, Wis, Amer. bor. (DAVIS).

118. **Septoria Helenii** E. et E. Journ. Myc. 1887, p. 87. — Maculis 6344
amphigenis, 2-4 mm. diam., atris, demum sordide albis, margine atro subelevato; peritheciis 100 μ . diam., epiphyllis, contextu parenchymatico, pallido, ostioliis minutis, nigris, perforatis; sporulis vermicularibus, 20-35 \approx 2, uni-triseptatis.

Hab. in foliis Helenii autumnalis, Racine, Wis, Amer. bor. (DAVIS).

119. **Septoria Balansæ** Speg. Guar. I, p. 149. — Maculis indefinitis, 6345
effusis, centro fuscillis, pallide limbatis, 3-10 mm. diam., subamphigenis; peritheciis laxè aggregatis, lenticularibus, 90-100 μ . diam., atris, velatis, membranaceis, ostiolo rotundo pertusis, contextu obsolete parenchymatico fusco-olivaceo; sporulis linearibus utrinque acutiusculis, falcatis v. hamatis, 12-18 \approx 0,5-1, hyalinis, non v. obsolete pluriseptatis.

Hab. in foliis vivis Bidentis helianthoidis et Verbesinæ prope Pirayú et Paraguari Brasiliæ.

120. **Septoria pauper** Ellis in Journ. Myc. 1887, p. 67. — Maculis 6346
brunneis, angulosis, amphigenis, supra saturatius coloratis, 0,5-1,5 mm. diam.; peritheciis brunneis, subglobosis, tenuibus, innatis, leviter prominulis, hypophyllis, 125-130 μ . diam.; sporulis filiformibus, rectis v. flexuosis, utrinque obtusis, hyalinis, 45-55 \approx 1-1,5.

Hab. in foliis Helianthi divaricati, New Jersey in America boreali.

121. **Septoria fusca** Peck 40 Rep. p. 60. — Maculis atro-brunneis, 6347
indefinitis, lobos v. marginem foliorum occupantibus; peritheciis epiphyllis, nigris; sporulis filiformibus, rectis v. leviter curvis v. flexuosis, 40-50 μ . longis.

Hab. in foliis subvivi Artemisiæ vulgaris, Port Henry Amer. borealis.

122. **Septoria Cacaliæ** E. et K. Am. Nat. XVII, p. 1164, Journ. Myc. 6348
1887, p. 40. — Maculis rubiginoso-brunneis v. centro griseis, margine elevato, brunneo, 2-5 mm. lat.; peritheciis nigris, lenticularibus, innatis, subprominulis, sparsis, plerumque epiphyllis, 90-100 μ . diam.; sporulis hyalinis, linearibus, subrectis, evanide guttulatibus, 30-45 \approx 1,5-2.
Hab. in foliis Cacaliæ tuberosæ et C. atriplicifoliæ, Kansas et Florida Amer. bor.
123. **Septoria cercosporoides** Trail Scot. Nat., 1887, p. 89, Grev. 6349
XV, p. 109. — Maculis irregularibus, male definitis, nigris, in pagina superiore folii magis conspicuis; peritheciis gregariis, ellipsoideis 90 \approx 70, pallide brunneis; sporulis clavulatis, uno apice obtuso, subhyalinis, 6-8-septatis.
Hab. in foliis Chrysanthemi Leucanthemi, Montrose Scotiæ.
124. **Septoria Erechitis** E. et Ev. Proc. Acad. Phyl. 1891, p. 80. 6350
— Maculis brunneis, numerosis, suborbicularibus v. ellipticis vel subangulatis, venulis folii partim limitatis; peritheciis epiphyllis, parvis, nigris, erumpentibus, subglobosis, supra pertusis; sporulis 20-30 \approx 1,5, multiguttatis, subrectis vel prope medium abrupte curvatis.
Hab. in foliis vivis Erechitis hieraciifoliæ, Wilmington, Del. Amer. bor. (COMMONS).
125. **Septoria infusata** Winter in Journ. of Myc. 1885, p. 122. — 6351
Maculis magnis, rotundatis v. irregularibus, sordide griseis, sæpe variegatis et subzonatis, area perlata, fusca, indeterminata cinctis, usque 20 mm. longis, 6 mm. latis; peritheciis sparsis gregariisve, prominulis, globosis, atris, tenuissime membranaceis, 87-105 μ . diam.; sporulis filiformibus, utrinque rotundatis, sursum perparum incrassatis, multiseptatis, hyalinis, 50-70 \approx 1,5-2.
Hab. ad folia viva Lepachidis pinnatæ, Missouri in America boreali.
126. **Septoria Buphthalmi** Allesch. in Allesch. et Schnabl. F. bavar. 6352
n. 187. — Maculis minutis, irregularibus, amphigenis, purpureis v. olivaceis, demum expallentibus, emarginatis; peritheciis minimis, punctiformibus, atris; sporulis filiformibus, rectis curvatisve, utrinque obtusis, 3-septatis, hyalinis, circ. 24-30 \approx 2,5.
Hab. in foliis adhuc vivis Buphthalmi salicifolii pr. Oberammergau Bavar. super. (ALLESCHER).
127. **Septoria Martinæ** Cooke Grev. XIX, p. 5. — Maculis epiphyll- 6353

lis, griseis, confluentibus, atro-cinctis; peritheciis punctiformibus, globoso-depressis, membranaceis, pertusis; sporulis cylindræis, curvulis vel flexuosis, 20-40 \approx 3 multi-guttulatis, demum 3-5-septatis, hyalinis.

Hab. in foliis *Senecionis Bedfordii*, Victoria Australiæ (Domina MARTIN). — Affinis *S. anaxææ*.

128. **Septoria Websteri** Speg. F. Fueg. n. 422. — Maculis epiphyll- 6354
lis, orbicularibus, minutis, 1-2 mm. diam., densiuscule aggregatis, sæpe confluentibus, determinatis, pallide rufescentibus; peritheciis laxè aggregatis, immersis, lenticularibus, 70-80 μ . diam., tenuissime membranaceis, contextu parenchymatico, ostiolo late impresso pertusis; sporulis cylindræis, utrinque acutiuscule rotundatis, 25-40 \approx 2-2,5, rectis vel flexuosulis, 1-3-septatis, non constrictis, hyalinis.

Hab. ad folia viva vel languida *Senecionis Websteri* in Port Vancouver in Staten island Fuegiæ.

129. **Septoria Rudbeckiæ** Ell. et Halst. Journ. Myc. 1890, p. 33. — 6355
Maculis conspicuis v. brunneo-subalutaceis, 2-4 mm. diam., irregularibus angulosis, atro-marginatis haloneque purpurascente circumdatis; peritheciis epiphyllis, sparsis, prominentibus, subacutis, nigris; sporulis filiformibus, subrectis, multinucleatis, 30-36 \approx 1,5-2.

Hab. in foliis *Rudbeckiæ laciniatæ* et *R. hirtæ*, Northern New Jersey Amer. bor. (HELSTED) et Wilmington Del. (COMMONS). — Affinis *Sept. Helianthi*.

130. **Septoria Silphii** E. et E. Journ. Myc. 1887, p. 86. — Maculis 6356
amphigenis, 2-5 mm. diam., sordide brunneis, infra pallidioribus, subrotundis vel venulis limitatis, leviter elevatis; peritheciis sublenticularibus, sæpius epiphyllis; sporulis filiformibus, 35-50 \approx 1, subrectis, tenuiter nucleolatis.

Hab. in foliis *Silphii perfoliati*, Ames Jowa Amer. bor. (HELSTED).

131. **Septoria Punicei** Peck in 38 Rep. St. Mus. p. 97. — Maculis 6357
4-8 mm. latis, indefinitis, supra brunneo-nigrescentibus, subtus brunneis v. rufo-brunneis; peritheciis hypophyllis; sporulis longis, flexuosis, filiformibus, 100-110 μ . longis, hyalinis.

Hab. in foliis vivis *Asteris punicei*, Caroga Amer. bor.

132. **Septoria astericola** Ell. et Ev. Journ. Myc. 1889, pag. 150. — 6358
Maculis amphigenis, atro-brunneis, subindefinite limitatis, late flavo-limbatis, 3-4 mm. diam. (sine halone); peritheciis innatis, de-

mum suberumpentibus, numerosis, sparsis, 75 μ . diam., vix visibilibus, læte brunneis; sporulis subrectis, filiformibus, 30-45 \approx 1-1,2.

Hab. in foliis *Asteris cordifolii*, *Magnolia* Mass., Wisconsin Amer. bor. (CLARKE, COMMONS, DAVIS).

133. **Septoria intermedia** Ell. et Ev. Journ. Myc. 1889, p. 150. — 6359

Maculis minutis, 1 mm. diam., sparsis, subconfluentibus, sordide altis, atro-purpureo-marginatis; sporulis subrectis, hyalinis, nucleatis, 15-25 \approx 1-1,5.

Hab. in foliis *Solidaginis* (*juncææ?*), Racine, Wisc. Amer. bor. (DAVIS). — A *Sept. atropurpurea* sporulis multo brevioribus recedit.

134. **Septoria fumosa** Peck in 38 Rep. St. Mus. p. 98. — Maculis 6360

angularibus v. irregularibus, sæpe confluentibus, fumose-brunneis v. griseo-brunneis, obscure marginatis; peritheciis epiphyllis, 62-75 μ . diam., atris; sporulis filiformibus, 30-50 μ . longis.

Hab. in foliis vivis v. languidis *Solidaginis canadensis*, Albany Amer. bor.

135. **Septoria Davisii** Sacc., *Septoria canadensis* Ell. et Davis Proc. 6361

Acad. Phil. 1891, p. 80, nec Peck. — Maculis amphigenis, suborbicularibus, 2-3 mm. diam., rubiginoso-brunneis, dein centro pallidioribus, margine purpureo cinctis; peritheciis minutis et inconspicuis, amphigenis, sed sæpius epiphyllis; sporulis vermiculari-cylindraceis, 33-45 \approx 1,5-2, guttatis, dein evanide circ. 3-septatis.

Hab. in foliis *Solidaginis canadensis*, Racine, Wis. Americæ borealis.

136. **Septoria brevis** Peck 40 Rep. p. 61. — Maculis nullis; peri- 6362

theciis sparsis, epiphyllis, minutis, 70-100 μ . diam., late pertusis, nigris; sporulis brevibus, 10-13 \approx 1,5, rectis v. curvulis.

Hab. in foliis vivis *Solidaginis Virgaureæ* var. *alpinæ* Mt. Marcy Amer. bor.

137. **Septoria solidaginicola** Peck 40 Rep. p. 61. — Maculis minu- 6363

tis, angulosis, albis v. albidis, infra obscurioribus, margine brunneo v. rubente cinctis; peritheciis 1-2 in quaque macula, epiphyllis, subglobosis, nigricantibus; sporulis linearibus, rectis, subacutis, continuis, 25-40 \approx 4.

Hab. in foliis vivis *Solidaginis auratæ*, Cobble hill. pr. Elizabethtown Amer. bor.

138. **Septoria dolichospora** Ell. et Ev. Proc. Acad. Phil. 1891, p. 80. 6364

— Maculis in epiphylo convexis, in hypophylo concavis, 1-2 mm. diam., supra dealbatis, plerumque irregulariter gregariis, subtus

sordide pallidis, demum hinc inde albis; peritheciis epiphyllis, sparsis, copiosis, 75-100 μ . diam.; sporulis 70-110 \approx 1,5, continuis, indistincte guttatis, hyalinis.

Hab. in foliis *Solidaginis latifoliæ*, London, Canada Am. bor. (DÉARNES). — Differt a *S. solidaginicola* foliis bullato-rugosis, peritheciis majoribus et sporulis multo longioribus.

139. **Septoria gallarum** E. et E. Journ. Myc. 1888, p. 103. — Peri- 6365
theeciis sparsis, minutis, erumpentibus, nigris; sporulis lineari-cylindraceis, subcurvis, flavido-hyalinis, guttatis, 35-45 \approx 1,5, copiosis.

Hab. in gallis vetustis *Solidaginis*, Pratt's Falls, N. Y. Amer. bor. (UNDERWOOD et COOK).

140. **Septoria Xanthifoliæ** E. et K. in Journ. Myc. 1887, p. 79. — 6366

Maculis læte brunneis, irregularibus, sparsis, 1 mm. lat., indefinite marginatis; peritheciis atris, minutis, prominulis, sat numerosis, epiphyllis, 70 μ . diam.; sporulis ex hyalino flavidis, linearibus, curvulis, tenuiter nucleolatis, 20-35 \approx 1,5-2.

Hab. in foliis *Ivæ xanthifoliæ*, Kansas Amer. bor.

141. **Septoria bacilligera** Winter in Journ. of Myc. 1885, p. 122. — 6367

Maculis parvis, angularibus v. irregularibus, interdum confluentibus, plerumque 1 mm. diam., candidis exaridisque, linea atra cinctis; peritheciis sparsis, minutissimis, globosis, membranaceis, poro pertusis, atris, 80-90 μ . diam.; sporulis numerosissimis, bacilliformibus, sæpe uno apice parum incrassatis, 1-3-septatis, demum ad septa constrictis, hyalinis, plerumque rectis, 9-23 \approx 3-3,5.

Hab. ad *Ambrosiæ trifidæ* folia viva, Missouri Amer. bor.

142. **Septoria Cephalarie-alpinæ** Roum. in Rev. Myc. 1885, p. 174. — 6368

Maculis epiphyllis, albescentibus, numerosis, parvis, difformibus, 3-9-aggregatis, sæpius confluentibus, margine purpureo cinctis; peritheciis punctiformibus, nigris, 100-200 μ . diam.; sporulis filiformibus, tortuosis, 50-60 \approx 1-1,5, 5-7-septatis, lutescentibus.

Hab. in foliis languescentibus *Cephalariæ alpinæ*, Rouen Galliæ (AB. LETENDRE).

143. **Septoria Asperulæ** Bäuml. F. Schemm. p. 4. — Maculis primo 6369

irregularibus dein totum folium occupantibus; arescendo griseis, fusco-cinctis; peritheciis gregariis globosis, minutis, 60-80 μ . diam., contextu tenue membranaceo, ochraceo-fuligineo, ostiolo parvulo pertusis; sporulis elongato-filiformibus, curvulis, utrinque tenuatis, pluriguttulatis, 40-50 \approx 2, hyalinis.

Hab. in foliis vivis *Asperulæ odoratæ* pr. Pencow, Schemnitz Hungariæ.

144. **Septoria Aparines** Ellis et Kell. Journ. Myc. 1889, p. 142. — 6370
 Maculis nullis; peritheciis minutis, 40-50 μ . diam., subinde 160-208 μ . diam., sparsis; sporulis filiformibus, rectis v. subundulatis, tenuiter nucleolatis, continuis, utrinque acutis, 40-80 \approx 1,5-2, plerumque 50-60 \approx 2.
Hab. in foliis caulibusque emortuis Galii Aparines, Manhattan, Kans. Amer. bor. (KELLERMAN et SWINGLE).
145. **Septoria polemoniicola** E. et M. Journ. Myc. 1887, pag. 79. — 6371
 Maculis amphigenis, supra distinctis, 0,5-1 mm. diam., albis, definitis, numerosis; peritheciis epiphyllis, minutis, sublenticularibus, atro-brunneis, parcis; sporulis filiformibus, subrectis, flavido-hyalinis, nucleolatis, plerumque 25-35 \approx 1.
Hab. in foliis Polemonii reptantis, Perryville Amer. bor. (DEMETRIO).
146. **Septoria centranthicola** Brun. Suppl. Sphæroid. p. 4. — Macu- 6372
 lis epiphyllis, mediis, angulosis v. irregularibus, sordide albis, margine tenui brunneo-virente, elevatulo cinctis et in areis amplis rufescentibus æque limbatis, sparse v. confertim sitis; peritheciis minutis, parcis, sparsis; sporulis bacillari-elongatis, rectis, hyalinis, 22-45 \approx 1,5-2, continuis.
Hab. in foliis languidis Centranthi rubri, Saintes Galliæ.
147. **Septoria Pirolæ** Ell. et Mart. in Journ. of Myc. 1885, p. 100. 6373
 — Maculis luteo-albis, hypophyllis sed etiam in pagina superiore foliorum conspicuis, internerviis, margine brunneo-cinctis; peritheciis atris, sursum perforatis; sporulis filiformibus, 25-35 \approx 0,75 utrinque obtasis, vix curvulis.
Hab. in foliis vivis Pirolæ secundæ, Red Rock, Lake Superior Amer. bor. (Prof. J. MACOUN).
148. **Septoria Citrulli** E. et E. Journ. Myc. 1888, p. 102. — Peri- 6374
 theciis plerumque solitariis, maculis rotundis, albis, sparsis, 1 mm. lat., insidentibus, subprominulis; sporulis cylindræis v. clavato-cylindræis, guttatis, hyalinis, 10-25 \approx 1,5-2, curvis.
Hab. in foliis languidis Citrulli, Vineland, N. Jersey Amer. bor. (A. W. PEARSON). — Verisimiliter forma foliicola *S. vestitiæ*.
149. **Septoria Sicyii** Peck in Thirty-fifth Rep. St. Mus. Bot. 1884, 6375
 p. 137. — Maculis parvis, suborbicularibus, sparsis vel raro subconfluentibus, albis vel cinereis, aridis; peritheciis paucis, epiphyllis, nigrescentibus; sporulis filiformibus, rectis vel curvis, 40-60 μ . longis, hyalinis.
Hab. in foliis vivis Sicyii angulati, Albany Amer. bor.

150. **Septoria Salviæ-pratensis** Pass. Fung. Gall. novi in Journ. d'Hist. nat. 1885, n. 4, p. 16. — Maculis subrotundis vel angulosis, brunneis, saturatius marginatis; peritheciis numerosis, globoso-lenticularibus, atris; sporulis bacillaribus, integris, hyalinis, 30-32 μ . long. 6376

Hab. in foliis *Salviæ pratensis* prope Breuil-Magné in Gallia (BRUNAUD). — A *Septoria Salviæ* differt sporulis dimidio brevioribus.

151. **Septoria Leptostachyæ** E. et K. Journ. myc. 1887, pag. 63, — 6377
Maculis pallide brunneis, subrotundis, sparsis confluentibusque, siccis, venulis plerumque limitatis, 2-4 mm. lat.; peritheciis atrobunneis tenuissimis, prominulis, amphigenis, sparsis, 65-80 μ . diam.; sporulis filiformibus, hyalinis, leniter undulato-curvis, continuis, 20-22 \approx 1.

Hab. in foliis *Phrymæ leptostachyæ*, Ohio Amer. bor.

152. **Septoria Nepetæ** E. et E. Journ. Myc. 1888, p. 44. — Maculis 6378
purpureo-brunneis, margine rubente vel purpurascente cinctis, in ambitu subirregularibus, circ. 2 mm. diam., centro albis; peritheciis sæpius epiphyllis, lenticularibus, non copiosis; sporulis subrectis, guttulatis, 30-40 \approx 1,5.

Hab. in foliis *Nepetæ Catarisæ*, Racine, Wis. Amer. bor. (Doct. J. J. DAVIS).

153. **Septoria Lamii** Pass. — Syll. III, p. 538 — var. **Lamii-maculati** Mass. Contr. Mic. Veron. p. 139. — Maculis amphigenis, minutis, exaridis, suborbicularibus, colore subpurpureo-sanguineo-areolatis; peritheciis 1-4 minutissimis, 70-90 μ . diam.; sporulis linearibus, subcurvulis, hyalinis, continuis, 10 \approx 1,5-2. 6379

Hab. in foliis *Lamii maculati*, Valdona prope Veronam Italiæ borealis.

154. **Septoria Trichostematis** Peck 42 Rep. p. 30. — Maculis plerumque amplis, 1-2 in quoque folio, brunneo-griseis, sæpius late purpureo-marginatis; peritheciis epiphyllis, minutis, 70-100 μ . diam., nigris; sporulis bacillaribus, tenuibus, rectis curvulisve, 30-40 μ . long. 6380

Hab. in foliis vivis *Trichostematis dichotomi*, Manor Amer. bor.

155. **Septoria Trailiana** Sacc. *Septoria Prunellæ* Trail Scot. Nat. 1887, p. 89, Grev. XV, p. 110. — Maculis irregularibus, venulis foliis latioribus limitatis; peritheciis numerosis, innatis; sporulis subhyalinis, filiformibus, 45 \approx 1, multiseptatis. 6381

Hab. in foliis vivis *Brunellæ vulgaris* pr. Ballater Scotiæ.

156. **Septoria Brunellæ** E. et H. in Journ. of Myc. I, (1885), p. 6. 6382
 — Maculis atro-nigris, margine brunneo, subtili limitatis; peritheciis crassis, sparsis in parte superiore macularum, atris, leviter prominentibus, 100-130 μ . diam.; sporulis clavatis, subfuscis, multiseptatis, angustis, 40-75 \approx 1 $\frac{1}{2}$ -2.
Hab. in foliis Brunellæ vulgaris in America boreali.
157. **Septoria Mentzeliae** Ellis et Kellerm. in Journ. of Myc. 1886, 6383
 pag. 4. — Maculis amphigenis, pallidis, definitis, $\frac{1}{4}$ - $\frac{1}{2}$ cm. diam.; peritheciis immersis, perspicuis in utraque foliorum pagina, nigris, 100 μ . diam.; sporulis filiformibus, subundulatis, nucleolatis, 40-60 \approx 1 $\frac{1}{4}$ -1 $\frac{1}{2}$, hyalinis.
Hab. in foliis vivis Mentzeliae nudæ, Kansas Amer. bor.
158. **Septoria Swertiae** Pat. in Rev. Myc. 1886, pag. 181. — Macu- 6384
 lis circularibus, epiphyllis, rufis; peritheciis minutis, atris, centro macularum congestis; sporulis filiformibus, hyalinis, curvatis, 20-23 \approx 1, continuis, eguttulatis.
Hab. in foliis Swertiae, Yunnan Sinarum (AB. DELAVAY).
159. **Septoria raphidospora** C. Mass. Contr. Mic. Var. p. 93, t. II, 6385
 f. 15. — Maculis pallide fuscis vel subfuligineis; peritheciis nigris, minutis, 60-80 μ . diam., globulosis, ostiolo vix prominulo, gregariis, parietibus submembranaceis; sporulis tenuissimis, acicularibus, 18-24 \approx 1, hyalinis, minute guttulatis, subcurvulis, continuis.
Hab. in bracteis calycibusque Gentianæ utriculosæ, rupi di Malera in M. Lessini agri veronensis. — Ab affini *S. microsora* abunde diversa.
160. **Septoria Anagallidis** Rich. Cat. Camp. Marn. n. 1759. — Perithe- 6386
 ciis in centro maculæ flavidæ sitis
Hab. in foliis inferioribus Anagallidis, Marne Galliae.
161. **Septoria Androsaces** Pat. in Rev. Myc. 1888, p. 84. — Peri- 6387
 theciis minutis, nigris, numerosis, macula nigra, epiphylla insidentibus; sporulis numerosis, filiformibus, hyalinis, 39-45 μ . long.
Hab. in foliis emortuis Androsaces rotundifoliæ, Lan- kong, Yunnan Sinarum (AB. DELAVAY).
162. **Septoria Lubiniæ** Pat. in Rev. Myc. 1886, p. 84. — Peritheciis 6388
 parvis, macula hypophylla, decolorata insidentibus; sporulis filiformibus, hyalinis, obscure septulatis, 48-60 μ . long.
Hab. in foliis Lubiniæ, Thibet Asiæ (AB. DAVID).
163. **Septoria Primulæ** Bucknall in Grevillea XIV, pag. 40. — Epi- 6389
 phylla; maculis pallidis, orbicularibus, brunneo-marginatis, sparsis; peritheciis paucis, punctiformibus, semiimmersis, atris, centro

pallidiori macularum insidentibus; sporulis linearibus, rectis, hyalinis, 47 μ . longis.

Hab. in foliis Primulæ, Leigh Wood in Britannia.

164. **Septoria conspicua** Ell. et M. Journ. myc. 1887, p. 64. — Ma. 6390
 culis amphigenis, rubiginoso-brunneis, suborbicularibus, 2-5 mm. diam., confluentibus, 1 cm. lat., margine angusto elevatulo; peritheciis amphigenis, nigris, convexis, numerosis, 100-130 μ . diam.; sporulis filiformibus, 40-55 = 1-1,2, nucleatis, subhyalinis.

Hab. in foliis Steironematis ciliati, Delaware Amer. bor. (COMMONS). — A *Sept. Lysimachicæ* sat diversa.

165. **Septoria maculifera** Sacc. *S. maculosa* Ger. in Journ. myc. 6391
 1887, p. 53 nec Lév. — Maculis griseis vel subrufescentibus, suborbicularibus vel elongatis, 3 mm. lat.; peritheciis subglobosis, innatis, prominulis, centro maculæ dense gregatis, epiphyllis, 84 μ . diam.; sporulis filiformibus, hyalinis, leniter curvis, 25-40 = 1,5.

Hab. in foliis Cupheæ viscosissimæ, New York et Pennsylvania Amer. bor.

166. **Septoria flagellaris** Ell. et Ev. in Bull. Torr. bot. Club. 1883, 6392
 p. 97. — Maculis orbicularibus, rufo-brunneis, 1-2 mm. diam., definite limitatis, concentrice rugosis, subinde albescentibus, in pagina superiore foliorum; peritheciis in quaque macula solitariis, centrum occupantibus vel 2-3 coalitis, sublenticularibus, 80-120 μ . diam.; sporulis nucleatis vel 4-8-septatis, 35-44 = 1,5, uno apice latioribus, altero gradatim attenuatis.

Hab. in foliis vivis Calystegiæ sepium, Newfield Amer. bor. — A *S. Convolvuli* et *S. sepium* probe distinguenda.

167. **Septoria Convolvuli** Desm. — Sacc. Syll. III, pag. 536 — var. **Soldanellæ** Brun. Liste Sphærops. p. 49. — Sporulis filiformi-acicularibus, rectis, curvis vel tortuosis, 40-60 = 0,5-1, parce guttulis. In foliis Convolvuli Soldanellæ, Saintes Galliæ.

168. **Septoria obscura** Trail Trans. Crypt. Scot. 1889, p. 46. — Ma. 6393
 culis arescendo sordide brunneis, orbicularibus vel irregularibus, anguste et obsolete atro-marginatis; peritheciis innatis, amphigenis, sparsis, minutis, atris, ostiolo brevi; sporulis cylindrico-filiformibus, utrinque obtusis, 22-35 = 1,5, curvulis, triseptatis, flavidis.

Hab. in foliis vivis Campanulæ rotundifoliæ, Hell's Glen, Clyde Scotiæ.

169. **Septoria Divaricatæ** Ell. et Ev. Journ. Myc. 1889, p. 151, *Sept.* 6394
Phlogis E. et E. Journ. Myc. III, p. 85, nec S. et S. — Maculis

albidis; peritheciis punctiformibus; sporulis 15-35 = 1, plerumque 20-25 = 1 subrectis, tenuissime nucleolatis.

Hab. in foliis vivis *Phlogis divaricatæ*, Jowæ et Lyndonville Amer. bor. — *Sept. Phlogis* differt maculis albis, sporulis 40-60 = 1-2, flexuosis, 1-3-septatis.

170. **Septoria Stenhammariae** Rostr. Fung. Groenl. p. 574. — Peritheciis sparsis, lenticularibus, umbilicatis, majusculis; sporulis bacillaribus, strictis, guttulatis, 25-30 = 1. 6395

Hab. in caulibus *Stenhammariae maritimæ*, Godhavn Groenlandiæ (RINK).

171. **Septoria veronicicola** Karst. Symb. XXI, p. 104. — Maculis nullis; peritheciis epiphyllis, laxe gregariis, prominulis, lenticularibus, atris, poro angusto pertusis, 0,1 mm. diam.; sporulis bacillaribus utrinque obtusis, rectis vel subflexuosis, pluriguttulatis vel tenuiter 1-septatis, hyalinis, 15-25 = 2-3; basidiis brevissimis. 6396

Hab. in foliis semiemortuis *Veronicæ officinalis* prope Tammeforsiam Fenniæ.

172. **Septoria Ellisii** Berl. et Vogl. Add. Syll. n. 4510, *Septoriæ Gratiolæ* E. et M. in Jour. of Myc. I, p. 107. — Peritheciis punctiformibus, minutis, emergentibus, sparsis, in parte exsiccata foliorum sed non in maculis definitis; sporulis filiformibus, nucleolatis, rectis vel subinde curvatis, continuis, 30-40 = $\frac{3}{4}$ -1. 6397

Hab. in foliis languidis *Gratiolæ quadridentatæ*, Florida Amer. bor. (F. R. SCRIBNER). — «An diversa a *S. Gratiolæ* S. et Sp.?»

173. **Septoria Mimuli** Wint. in Journ. of Myc. 1885, p. 122. — Maculis sparsis vel gregariis, rotundatis angulatisve, interdum irregularibus et confluentibus, arescendo albidis, griseo-vel sordide-fuscescentibus, margine lato, distincto, purpureo vel fusco et zona indeterminata, fuscescenti cinctis, $\frac{1}{2}$ -3 mm. latis; peritheciis solitariis vel parvis punctiformibus, atris, globosis, 60-90 μ . latis; sporulis cylindricis, utrinque attenuatis, remote septatis, hyalinis, curvatis, 35-45 = 2,5. 6398

Hab. ad folia viva *Mimuli ringentis*, Missouri Amer. bor.

174. **Septoria acanthina** Sacc. et Magn. Misc. Myc. II, n. 151. — Maculis amphigenis, subcircularibus, brunneis; peritheciis innatis, lenticularibus, pertusis, atris, 120-150 μ . diam.; sporulis bacillaribus, curvulis, utrinque obtusiusculis, 40-50 = 2,5-3, spurie 3-5-septatoguttulatis, hyalinis. 6399

Hab. in foliis *Acanthi mollis*, Millis in Sardinia (MAGNUS)

- *Septoria Acanthi* Thum. sec. descriptionem vere diversa videtur.
175. **Septoria Physostegiae** Ell. et Ev. Journ. Myc. 1889, p. 150. — 6410
Maculis amphigenis, minutis, 1 mm. diam., sordide albis, purpureo-limitatis, subinde pluribus minutis albis intra brunneam sitis; peritheciis; sporulis filiformibus, subrectis, 20-27 = 1-1,2.
Hab. in foliis *Physostegiae virginianæ*, Racine Wisc. Amer. bor. (DAVIS). — A *Sept. Brunellæ* sat diversa.
176. **Septoria Vincæ** Desm. X Not. p. 6 (1843). — Maculis epiphyll- 6401
lis, suborbiculatis vel semiorbiculatis, eburneis, ambitu lato nigro; peritheciis minutis, prominulis, tectis, poro amplo pertusis; sporulis linearibus, tenuissimis, 8-10-guttulatis, 28-30 μ . longis.
Hab. in foliis *Vincæ minoris* in Gallia bor.
177. **Septoria Holubyi** Bäuml. Crypt. Presb. p. 20. — Maculis orbicu- 6402
laribus arescendo candicantibus, nigro-marginatis; peritheciis sparsis, 150 μ . diam., membranaceis, contextu parenchymatico fuligineo, ostiolo minuto pertusis; sporulis filiformibus, rectis vel flexuosis, hyalinis, 40-50 = 1,2.
Hab. in foliis *Vincæ minoris* pr. Pressburg Hungariæ. — « Verisimiliter a *S. Vincæ*, jam ante in Sylloge omissa, non satis diversa ».
178. **Septoria asclepiadicola** E. et E. Journ. Myc. 1888, pag. 44. — 6403
Maculis amphigenis, parvis, 1-2 mm. lat., rotundis, sordide albis, zonis duabus cinctis, interiore atra, angusta, elevata, exteriori purpurascente, sæpe 3-4-gregariis; sporulis lineari-fusoideis, guttatis, hyalinis, 25-50 = 2-2,5, utrinque sæpius acutis, sed uno apice plerumque subcrassiore.
Hab. in foliis *Asclepiadis incarnatæ*, Power's lake, Wisconsin Amer. bor. (Doct. J. J. DAVIS).
179. **Septoria Aristolochiæ** Sacc. Syll. III, p. 558 — var. **maculicola** 6404
Brun. Misc. mycol. p. 20. — Maculis subrotundis vel subangulosis, albidis, brunneo-limbatis; peritheciis numerosis, epiphyllis, lenticularibus, exiguis, nigris, perforatis; sporulis bacillaribus, rectis curvulisve, continuis, 18-20 = 1,5.
Hab. in foliis *Aristolochiæ Clematidis*, Saintes Galliæ.
180. **Septoria media** Sacc. et Brun. Champ. Saint. p. 339. — Macu- 6405
lis subrotundis, subinde confluentibus, brunneis, centro demum albicantibus, margine atro-sanguineo; peritheciis parcis, punctiformibus; sporulis filiformibus, flexuosis, granulosis, hyalinis, 50-55 = 1.

Hab. in foliis *Euphorbiæ palustris*, Saintes Galliæ. — A *Sept. Kalchbrenneri* maculæ colore diversa.

181. **Septoria Rumicum** Sacc. et Paol. Myc. Sibir. p. 23, fig. 26. — 6406

— Maculis subcircularibus, amphigenis, alutaceis, zona atro-rubra in pagina superiore distinctiore cinctis; peritheciis hypophyllis, parvis, lenticularibus, $\frac{1}{10}$ - $\frac{1}{8}$ mm. diam., minute pertusis, nigricantibus; sporulis bacillaribus, curvulis, 50-68 \approx 3, utrinque obtusiusculis, minute parce guttulatis, hyalinis.

Hab. in foliis Rumicis Acetosæ in pratis pr. Caratus Sibiriciæ (MARTIANOFF). — A *Sept. polygonina* differt peritheciis hypophyllis, sporulis conspicue majoribus.

182. **Septoria Rumicis** Trail Fungi Hard. p. 494. — Maculis subcir 6407

cularibus, 4-6 mm. lat., pallide rufis, saturatius, anguste marginatis; peritheciis epiphyllis, lenticularibus, poro centrali apertis, tenuibus, pallide brunneis, 90-100 μ . diam.; sporulis cylindræis, curvulis, utrinque obtusis, 24-32 \approx 2,5, hyalinis, 1-2-septatis.

Hab. in foliis Rumicis Acetosæ pr. Eide Norvegiæ.

183. **Septoria Westendorpii** Wint. Hedw. 1887, p. 26, *Phyllosticta* 6408

Chenopodii West. V, Not. n. 56, non *Sept. Chenopodii* West. cfr. Syll. III, p. 55 et 556. — Maculis irregularibus angulosis, sparsis vel confluentibus, 5 mm. diam., brunneo-pallidis, atro-brunneo-limbatis; peritheciis epiphyllis perexiguis, nigris, sparsis, ostiolo poriformi; sporulis e fusosideo cylindræis, 15-20 \approx 7, hyalinis, utrinque rotundatis, hyalinis.

Hab. in foliis *Chenopodii viridis*, *C. urbici*, *C. albi* in Belgio et Ohio Amer. bor. — Verisimiliter *Sept. Atriplicis*, *S. Chenopodii* et *S. Westendorpii* sunt meræ formæ unius speciei.

184. **Septoria polygonicola** (Lasch) Sacc. in Bull. Soc. Myc. V, p. 121, 6409

Depazea polygonicola Lasch in Kl. n. 566. — Maculis sparsis, inæqualiter orbiculatis, pallide ochraceis, limbo discolori carentibus; peritheciis punctiformibus sæpius epiphyllis; sporulis filiformibus, subcontinuis, rectiusculis, 40-50 \approx 1, hyalinis.

Hab. in foliis *Polygoni orientalis* in Germania (LASCH, KRETZSCHMAR). — A *Sept. Polygonorum* et *S. polygonina* differt maculis haud sanguineo-limbatis, et a prima specie etiam sporulis duplo longioribus.

185. **Septoria lupulina** E. et K. Journ. Myc. 1888, p. 27. — Maculis 6410

pallide flavescentibus, subangulosis, venulis folii limitatis, 2-4 mm. diam., subconfluentibus; peritheciis sparsis, innatis, in epiphyllis perspicuis, atro-plumbeis, sublenticularibus, 150 μ . diam.; contextu

grosse parenchymatico; sporulis 35-45 \approx 2-2,5, incurvis, uno apice subcrassiore, obtusis.

Hab. in foliis Humuli Lupuli, Cloud, Ks. Amer. bor. (M. A. CARLETON).

186. **Septoria cannabina** Peck 35 Rep. St. Mus. Bot. 1884, p. 137. 6411

— Maculis suborbicularibus, parvis, cinereis, sæpe margine rufo-brunneo cinctis; peritheciis minutis, numerosis, epiphyllis, centrum maculæ occupantibus, nigrescentibus; sporulis filiformibus, curvis, 20-30, hyalinis.

Hab. in foliis vivis Cannabis sativæ, Cold Spring Americæ borealis.

187. **Septoria tenuissima** Wint. in Journ. of Myc. 1885, pag. 122. 6412

— Maculis minutis, rotundato-angulatis, $\frac{1}{2}$ -1 $\frac{1}{2}$ mm. latis, arescendo candidis, linea elevata, fusco-atra circumdatis, zona indeterminata, viridi-fusca cinctis; peritheciis sparsis, plerumque epiphyllis, punctiformibus, globosis, atris, poro pertusis, 60-70 μ . diam.; sporulis tenuissime filiformibus, non distincte septatis, sæpe flexuosis, hyalinis, 20-28 μ . longis.

Hab. ad Bœhmeriæ cylindricæ, Missouri Amer. bor.

188. **Septoria Boërhaviæ** Pat. in Rev. Myc. 1886, p. 84. — Peri- 6413

theciis minutis, rotundatis, macula pallida, rufo-brunneo-limitata insidentibus, numerosis; sporulis linearibus, obtusis, curvatis, irregularibus, hyalinis vel viridulis, subinde 2-3-septatis, 41-51 \approx 3-5.

Hab. in foliis Boërhaviæ verticillatæ in Abyssinia.

III. In Monocotyledoneis.

189. **Septoria cocoïna** E. et E. Journ. Myc. 1887, p. 85. — Macu- 6414

lis amphigenis, latis, 1-2 cm. diam., albis, atro-limbatis; peritheciis epiphyllis, sparsis, lenticularibus, 150-200 μ diam.; sporulis clavato-vermicularibus, continuis, hyalinis, flexuoso-curvis, 8-16 \approx 1,5-2.

Hab. in foliis Cocoës plumosæ cultæ, Columbia Mo. Amer. bor. (GALLOWAY).

190. **Septoria Palmarum** Sacc. Fung. Rom. n. 59, f. 10. — Peritheciis 6415

amphigenis hinc inde gregariis, maculas peculiare nullas efficientibus, punctiformibus, atris, velatis, 80 μ . diam.; sporulis bacillaribus, curvulis, 15-18 \approx 1, hyalinis; basidiis indistinctis.

Hab. in foliis aridis Lataniæ Borbonicæ in Horto botanico, Roma.

191. **Septoria Tritomæ** Pat. Bull. Soc. Myc. 1891, p. 179. — Macu- 6416

lis cinereis longitrorsum elongatis; peritheciis atris, punctiformibus, ostiolatis, 100-130 μ . diam.; sporulis cylindræis utrinque acutatis, rectis curvulisve, continuis, 4-5-guttulatis, 13-16 \approx 1, hyalinis.

Hab. in caule Tritomæ, Quito Amer. merid. (LAGERHEIM).

— Perithecia mycelio ramoso brunneo, septato connexa.

192. **Septoria Callæ** (Lasch) Sacc. Syll. III, pag. 569 (absque diagnosi) et in Bull. Soc. myc. V, p. 122, *Sphæria* (Depazea) *Callæ* Lasch in Kl. n. 368. — Maculis plerumque epiphyllis, minutis ex olivaceo pallidis; peritheciis paucis, punctiformibus, confertis, 100 μ . diam., anguste pertusis, sub microsc. fuligineo-rufis; sporulis bacillaribus curvulis, 20-25 \approx 1,5-2, continuis, hyalinis. 6417

Hab. in foliis languidis Callæ palustris, Driesen Germaniæ.

193. **Septoria Iridis** C. Mass. Contr. myc. Ver. p. 96, t. II, f. 16. — 6418
Peritheciis subglobosis, hypodermeis, 160-180 μ . amphigenis, in maculis parvis, orbiculatis oblongisve, griseo-expallentibus, zona fusciscenti limbatis, dense aggregatis; sporulis elongato-subfusiformibus, utrinque obtusiusculis, chlorinis, in medio 1-septatis, 20-32 \approx 4-5.

Hab. in foliis languidis Iridis germanicæ, Calavena pr. Tregnago Verona.

194. **Septoria Narcissi** Passer. Diagn. F. N. IV, n. 119. — Peritheciis sparsis epidermidi adnatis, punctiformibus fuscis, membranaceis; sporulis cylindricis, utrinque obtusis, continuis, curvulis, 17,5-20 \approx 2,5-3, basidiis tenuibus longiusculis fultis. 6419

Hab. in apice exsiccato foliorum vivorum Narcissi speciei cultæ, Parma Ital. bor.

195. **Septoria alliicola** Bäumler in Hedw. 1885, p. 75. — Peritheciis numerosis, gregariis, sub epidermide nidulantibus, globosis, ostiolo simplici, pertuso erumpentibus, atris, 200-250 μ . diam.; sporulis elongato-cylindræis, flexuosis, fere hyalinis, plerumque uni-septatis, 30-50 \approx 3-5. 6420

Hab. in scapis Allii flavi, Pressburg Hungariæ.

196. **Septoria Ophiopogonis** Pass. Erb. critt. it. II, n. 1291. — Peritheciis punctiformibus, depressis, atris, medio pertusis; sporulis cylindrico-fusiformibus, integris, curvulis, hyalinis, 25 \approx 1,5-2. 6421

Hab. in apice exsiccato foliorum Ophiopogonis japonici in Horto botanico, Parma Ital. bor. — *Leptosphæricæ* *Ophiopogonis* spermogonium probabiliter sistit.

197. **Septoria transversalis** Sacc. Fung. Rom. n. 57, f. 12. — Perithe- 6422

ciis hinc inde dense gregariis maculasque oblongas, atras, in foliis transverse positas efficientibus, amphigenis, globulosis, innato-erumpentibus, punctiformibus, 70-80 μ . diam., apice late pertusis; sporulis bacillaribus, curvulis, utrinque obtusulis, 11-14 \approx 1,5, hyalinis.

Hab. in foliis languidis *Aspidistræ elatioris* in Horto botanico, Roma.

198. **Septoria Aracearum** Sacc. Fung. Rom. n. 58, fig. 11. — Maculis 6423
amphigenis, rimosis, amplis, pallidis, margine elevato fuscello cinctis; peritheciis epiphyllis, punctiformibus, gregariis, 180 μ . diam., tectis, poro pertusis; sporulis filiformibus, hamatis, 26-30 \approx 1, hyalinis; basidiis paliformibus, triplo brevioribus.

Hab. in foliis languidis *Philodendri pertusi*, Villa Patrizi, Roma.

199. **Septoria spiculosa** E. et Holw. Journ. myc. 1887, pag. 76. — 6424
Maculis amplis, brunneis, irregularibus, margine pallidiore; peritheciis subglobosis, innatis, promitulis, subsparsis, brunneis, 90-100 μ . diam.; sporulis linearibus, rectis, continuis, hyalinis, 30-36 \approx 1-1,5.

Hab. in foliis *Symplocarpi fœtidi*, Wisconsin Amer. bor.

200. **Septoria crassispora** Wint. Exot. Pilze IV, p. 12. — Perithe 6425
ciis subgregariis v. sparsis, immersis, globulosis, punctiformibus, poro pertusis, membranaceis, atris, demum vertice prominentibus, 60-66 μ . diam.; sporulis numerosis, cylindraceo-fusoideis, utrinque rotundatis, plerumque curvatis flexuosisve, dilutissime olivaceis, 5-7-septatis, haud constrictis, 40-54 \approx 3,5.

Hab. in foliis culmisque *Junci scheuchzerioidis*, Cap Horn (HARIOT).

201. **Septoria Eriophori** Oudem. Cont. à la Flora myc. de Nowaja 6426
Semlja p. 10, t. I, f. 5. — Peritheciis foliicolis, minutissimis, 70 μ . tenerrimis, fuscis, epidermide tectis, ostiolo denique circumcirca aperturam profundius tincto, prominentibus; sporulis numerosissimis, hyalinis, bacilliformibus, undulato-curvatis, apice acutis, basi truncatis, 70-75 \approx 3.

Hab. in foliis *Eriophori angustifolii*, Nowaja Semlja.

202. **Septoria minuta** Schroet. Pilze Labrad. p. 19. — Peritheciis mi- 6427
nutissimis, 40-60 μ . diam., atris, in maculas irregulares nebulosas pluribus congregatis; sporulis fusoideis, curvis, utrinque acutis, 17-20 \approx 2-2,5, hyalinis.

Hab. in foliis *Luzulæ spicatæ*, Lichtenfels Groenlandiæ. —

Forma **Elynæ Bellardi** Schroet. loc. cit.: peritheciis minutissimis, vulgo in lineas nigras latas confluentibus; sporulis 16-20 \approx 2,5-3, falcatis. Prope Holstenborg Groenlandiæ.

203. **Septoria Luzulæ** Schroet. Hedw. 1890, p. 63. — Peritheciis 6428
sparsis, maculis, nullis distinctis insidentibus, 0,2 mm. diam., atris, ostiolo acutiusculo prominulo; sporulis filiformibus, 60-80 \approx 2-3, utrinque obtusis, curvis, hyalinis.

Hab. in foliis *Luzulæ Forsteri*, Riparj pr. Belgrad Serbiæ (WOJNOWIC).

204. **Septoria Lepidospermatis** Cooke et Mass. in Grev. XIX, p. 91. — 6429
Amphigena; maculis griseolis, dein albidis, oblongis, margine lato, brunneo præditis; peritheciis parvis, semiimmersis, nigris; sporulis linearibus, flexuosis, hyalinis, 30 \approx 1.

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

205. **Septoria nigrificans** Pat. in Rev. Myc. 1886, p. 84. — Macu- 6430
lis brunneis, epiphyllis, ovatis, elongatis, in pagina inferiore foliorum nitide nigro-limitatis; sporulis hyalinis, rectis, filiformibus, non septatis nec guttuligeris, 24-30 μ . longis.

Hab. in foliis emortuis *Caricis*, Thibet Asiæ (AB. DAVID).

206. **Septoria papillata** Karst. Symb. XXI, p. 164. — Peritheciis laxe 6431
gregariis, papilla per epidermidem erumpente; sporulis elongatis, continuis, rectis, 11-13 \approx 3.

Hab. in foliis putrescentibus *Caricis vesicariæ* ad *Mustia* la Fenniæ. — Ad *Phomam* nutat.

207. **Septoria carnea** E. et Ev. Proc. Acad. Phil. 1891, p. 30. — 6432
Peritheciis hypophyllis, incarnatis, siccis collapsis, inter nervos folii seriatis et cæspitulos elongatos 1-3 cm. long., 2-4 mm. lat. formantibus; sporulis fusoides, subcurvis, guttulatis, utrinque acutis, fasciculatis, 20-30 \approx 1,5, hyalinis.

Hab. in foliis subemortuis *Caricis*, London, Canada Amer. bor. (F. DEARNESS). — «An Nectrioidearum genus novum?».

208. **Septoria dolichospora** Trail Suppl. Myc. Scot. n. 3047. — Peri- 6433
theeciis sparsis, subcutaneis, ovato-lenticularibus, 280 \approx 240, poro prominente margine nigricante apertis, pallide brunneis; sporulis longissimis, filiformi-fusoides, 120-130 \approx 2-2,5, flexuosis vel valde curvis, ex hyalino flavidis, pluriguttulatis, v. 9-12-septulatis.

Hab. in calamis emortuis *Scirpi lacustris* pr. Aberdeen Scotiæ.

209. **Septoria Phalaridis** Cocc. et Mor. Enum. Fung. della provin- 6434
cia di Bologna, Cent. III, pag. 24, t. II, f. 22-25. — Peritheciis

erumpentibus, membranaceis, brunneis, globulosis, 96-105 μ . diam., in maculis pallide luteis foliorum vaginarumque insidentibus; sporulis hyalinis, filiformibus, rectis vel leviter undulatis, prope medium obscure uniseptatis, 20-25 \approx 1 $\frac{1}{4}$.

Hab. in foliis et vaginis Phalaridis brachystachydis prope Monte Paderno, Bologna Ital. med.

210. **Septoria macrosperma** Speg. F. Fueg. n. 417. — Peritheciis 6435
dense seriatis immersis, epidermide infuscata tectis, globulosis 100-110 μ . diam., atris, coriaceo-membranaceis, ostiolo papillulato coronatis, contextu indistincto fuligineo; sporulis filiformi-subclavulatis apice obtusiusculis, inferne acutiusculis, 70-85 \approx 1-2, 7-9-septatis, non constrictis, hyalinis.

Hab. ad folia emortua Poæ Forsteri in scopulis prope Staten island Fuegiæ.

211. **Septoria Triseti** Speg. F. Fueg. n. 421. — Maculis parvulis sub- 6436
linearibus tumidulis dilute cinerescentibus indeterminatis; peritheciis dense aggregatis globulosis 70-80 μ . diam. subseriatis atris tenui-membranaceis ostiolato-pertusis, contextu parenchymatico olivascente; sporulis filiformibus utrinque acutiusculis 20-30 \approx 1-1,3, continuis flexuosulis hyalinis.

Hab. ad folia languida Triseti phleoidis et Agrostidis magellanicæ in Staten island Fuegiæ.

212. **Septoria nebulosa** Rostr. Fung. Groenl. p. 575. — Peritheciis 6437
minutissimis, dense gregariis, maculas nebulosas, longas efficientibus; sporulis fusoideo-elongatis, arcuatis, continuis, guttulatis, 13-15 \approx 2-3.

Hab. in culmis et foliis siccis Calamagrostidis, Triseti, Poæ in Groenlandiæ plur. locis (WARMING, HOLM, HANSEN).

213. **Septoria Calamagrostidis** (Lib.) Sacc. F. Ardenn. n. 181, *Asco-* 6438
chyta Calamagrostidis Lib. Cript. II, n. 157, (1832). — Epiphyl-
la; maculis linearibus, albis; peritheciis nigris, ore orbiculari aper-
tis; cirris albo-flavescentibus; sporulis filiformibus rectis curvulis-
ve, 45-55 \approx 1-1,5, hyalinis.

Hab. in foliis Calamagrostidis silvaticæ in Arduennis. —
Peraffinis *Septoriæ graminum* Desm.

214. **Septoria curva** Karst. Symb. XXI, p. 103. — Peritheciis sub- 6439
sparsis, innatis, sphæroideo- vel ellipsoideo-depressis, demum poro
pertusis, atris, punctiformibus; sporulis fusoideo-oblongatis, utrin-
que attenuatis, curvis vel falciformibus, continuis, hyalinis, 14-20
 \approx 3,5-4,5.

Hab. in culmis aridis Phragmitis communis pr. Mustiala Fenniaë. — Affinis *S. oxysporæ*.

215. **Septoria Secalis** Prill. et Delacr. in Bull. Soc. myc. 1889, p. 125. 6440

— Maculis obsoletis; peritheciis diu immersis, 90 μ . diam.; sporulis bacillaribus utrinque obtusiusculis rectis v. vix curvis, continuis, hyalinis, multiguttulatis, 40-43 \approx 2,5-3.

Hab. in foliis vaginisque jam flavescentibus Secalis Cerealıs, Boissy-sous-St.-Yon, Seine et Oise Galliaë. — Affinis *Sept. Passerini*, sed sporulæ crassiores.

216. **Septoria Lolii** (Cast.) Sacc. *Rhabdospora* Cast. Cat. pl. Mars. II, 6441

p. 75. — Maculis minutis, subrotundis, ovalibus, nigricantibus; peritheciis numerosis, atris, subcutaneis; cirris luteo-fuscis; sporulis acicularibus, flexuosis, hyalinis, continuis, 30 \approx 4.

Hab. in glumis Lolii perennis pr. Marseille Galliaë.

217. **Septoria phyllachoroides** Passer. Diagn. F. N. IV, n. 120. — 6442

Peritheciis in maculis atris phyllachoroideis immersis, vix perspicuis; sporulis cylindraceis rectis vel curvulis, utrinque rotundatis, obscure triseptatis, hyalinis, 25-35 \approx 2,5-3.

Hab. in foliis languidis v. siccis Agropyri repentis, Viggheffio prope Parma.

218. **Septoria Briosiana** Mor. Giorn. Bot. It. 1885, p. 39. — Peri- 6443

theciis epiphyllis, in maculis parvis, nigrescentibus, oblongis irregularibusque insidentibus, globuloso-depressis, erumpentibus, 84-96 μ . diam.; sporulis tenuissimis, bacillaribus, plus vel minus incurvatis et undulatis, continuis, incoloribus, hyalinis, 9-11 \approx $1\frac{1}{2}$ - $\frac{3}{4}$; basidiis acuminatis, non guttulatis, hyalinis, 32-40 \approx $1\frac{1}{2}$ -2.

Hab. in foliis Tritici sativi in Italia bor.

219. **Septoria Arechavaletæ** Wint. Exot. Pilze IV, p. 9. — Perithe- 6444

ciis sine macula in foliorum pagina superiore sparsis subgregariisve, totis immersis, globosis, demum vertice erumpentibus et late apertis, oculo nudo haud, oculo armato vix visibilibus, membranaceis, fusco-atris, 100 μ . latis; sporulis numerosissimis, filiformibus, curvatis flexuosisque, utrinque rotundatis, indistincte pluriseptatis, hyalinis, 60-80 \approx $1\frac{1}{2}$ -2, in globulos seu cirros pallidos ceraceos ejectis.

Hab. ad folia languida Panici carthaginensis, S. W. Montevideo Uruguay.

220. **Septoria? bambusella** Speg. Guar. I, p. 149. — Maculis amphi- 6445

genis, ellipticis, subindefinitis, 1-2 \approx 0,5-1 mm., ferrugineis; peritheciis epiphyllis superficialibus, globulosis, 120-140 μ . diam. sub-

verruculosis, glabris, atris, subastomis, 2-3-aggregatis, crassiuscule membranaceo-coriacellis, pellucidis, contextu olivaceo, grosse parenchymatico; sporulis bacillari-fusoideis, apice acutatis sæpeque curvulis, deorsum subtruncato-attenuatis, 30-60 \approx 2-3, hyalinis, 3-5-septatis.

Hab. in foliis vivis Chusqueæ tenuiglumis pr. Villa Rica Brasilæ. Ob perithecia superficialia forte ad *Collonema* vergit.

IV. In Acotyledoneis.

221. **Septoria thecicola** Berk. et Br. — Syll. III, p. 577 — var. **sca-** 6446
picola Karst. Symb. Myc. Fenn. XXIII, p. 11. — Peritheciis sparsis superficialibus, multiformibus, rotundatis, ovalibus vel oblongatis, rugosis, poro lato orbiculari vel ovali dehiscentibus, nigricantibus, udis fuligineo-atris, intus fuligineo-pallidis basi vulgo macula angusta fuliginea cinctis, 100 μ . diam.; sporulis filiformibus, rectis, guttulatis, hyalinis, 18-24 \approx 1-1,5.

Hab. in pedunculis capsularum Polytrichi juniperini pr. Mustiala Fennicæ. — An Excipulacea?

222. **Septoria Pteridis** Peck 44 Rep. pag. 24. — Peritheciis hypo- 6447
phyllis, subconicis, nigris; sporulis filiformibus, longissimis, curvis vel flexuosis, continuis, 70-100 μ . long.

Hab. in frondibus Pteridis aquilinæ, Sandlake Amer. bor.

223. **Septoria equisetaria** Karst. in Hedw. 1885, pag. 73. — Peri- 6448
theciis subsparis, innatis, subsphæroideis, poro pertusis, atris, membranaceis, contextu parenchymatico, fuligineo, minutissimis; sporulis bacillari- vel elongato-fusoideis, rectis vel curvatis, 3-septatis, hyalinis vel luteolo-hyalinis, 20-27 \approx 4.

Hab. in caulibus languidis Equiseti fluviatilis prope Mustiala Fennicæ.

RHABDOSPORA Mont. — Syll. III, p. 578.

A. *Eu-Rhabdospora*. Perithecia tecta, cauli-corticola.

I. In Dicotyledoneis lignosis.

1. **Rhabdospora scoparia** Sacc. et Br. Miscell. Myc. II, pag. 24. — 6449
Peritheciis gregariis, subcutaneo-erumpentibus, globulosis, obsolete et obtuse papillatis, $\frac{1}{6}$ mm. diam., atro-nitidulis; sporulis cylindraceis, curvulis, utrinque rotundatis, nubiosis vel 1-guttulatis, hyalinis, 28-36 \approx 6-7.

Hab. in ramulis Sarothamni scoparii, Troyes Gallicæ (BRIARD). — Affinis *Rhabd. cordobensi*.

2. **Rhabdospora Cocconii** Sacc., *Septoria Spartii* Cocc. et Mor. Enum. 6450
F. Bol. IV, p. 21, t. II, f. 7-9. — Peritheciis haud maculiculis, membranaceis, globulosis, papillatis, vix erumpentibus, inæqualiter sparsis, 90-98 μ . diam.; sporulis cylindrico-fusoideis, continuis, hyalinis, utrinque leniter tenuatis, 18-22 \approx 4-6.
Hab. in ramulis siccis *Spartii juncei*, Monte Donato agri Bononiensis.
3. **Rhabdospora Spartii** Pass. et Brun. Mat. Myc. Saint. pag. 28. — 6451
Peritheciis sparsis vel gregariis, interdum maculiformi-congestis, vix erumpentibus, elongato-globulosis, nigris; sporulis filiformibus, guttatis, 20-25 \approx 1,5, hyalinis.
Hab. in foliis *Spartii juncei*, Saintes Galliæ. — Differt a *Rh. phomatoidi* peritheciorum formâ.
4. **Rhabdospora sphæroides** Passer. Diagn. F. N. IV, n. 121 et Hedw. 6452
1890, p. 160. — Peritheciis sphæroideis, erumpentibus, papillatis, atris; sporulis filiformibus, rectis v. arcuatis, continuis, hyalinis, 24-35 μ . long.; basidiis crassiusculis, circ. 20 μ . long.
Hab. in ramis siccis *Wistarïæ sinensis* in horto botanico parmensi Ital. bor.
5. **Rhabdospora Preussii** Sacc. Syll. III, p. 580. — Sec. cl. Oudem. Contr. Fl. Myc. Pays-bas p. 49, perithecia sunt globoso-applanata, nigra, solidiuscula, 0,3-0,5 mm. diam., sporulæ 25 \approx 1,5, curvæ v. flexuosæ, eguttulatæ, hyalinæ. — Species nascitur quoque in cortice ramorum *Cytisi Laburni*, Rijswijk Nederlandiæ (DESTRÉE).
6. **Rhabdospora Cydoniæ** Passer. Diagn. F. N. IV. n. 124. — Peri- 6453
theciis sparsis, erumpentibus, depressis, brunneis; sporulis bacillaribus, rectis v. flexuosis, obscure uni-triseptatis, hyalinis, 20-27,5 \approx 2,5, basidiis crassiusculis, subæquantibus fultis.
Hab. in ramulis *Cydoniæ vulgaris*, sociâ *Diaporthe Cydoniæ*, Parma Ital. bor.
7. **Rhabdospora Rubi** Ell. Journ. Myc. 1887, p. 90. — Peritheciis 6454
nigris, subglobosis, innatis, erumpentibus, sparsis, 100-195 μ . diam.; sporulis hyalinis, linearibus, curvis, 3-4-septatis, 40-45 \approx 2.
Hab. in caulibus *Rubi strigosi*, Illinois Amer. bor.
8. **Rhabdospora ramealis** (Desm. et Rob.) Sacc. Syll. III, p. 580. — 6455
Var. **crassiuscula** Berl. Pug. F. Fior. p. 85. — Peritheciis sparsis, epidermide tectis, minutis, macula nulla v. obsoleta insidentibus, intus albidis; sporulis cylindræis, plerumque rectis, pseudo-triseptatis, 20-22 \approx 3, hyalinis.
Hab. in sarmentis emortuis *Rubi* pr. Firenze Italiæ.

9. **Rhabdospora advena** Pass. Rev. Myc. 1889, pag. 146. — Maculis 6456
nullis; peritheciis sparsis, subcutaneis, promiscuis, ostiolo atro,
acuto, erumpente donatis; sporulis bacilliformibus, rectis vel vix
curvis, interdum levissime clavatis v. etiam subfusoides, nubiosis,
obscure pluriguttatis, hyalinis, 20-40 \approx 3-4.

Hab. in ramulis vivis Camelliæ japonicæ, in frigidariis
horti botanici Parma, Ital. bor.

10. **Rhabdospora Forsythiæ** Passer. Diagn. F. N. IV, n. 124. — Pe- 6457
ritheciis sparsis, cortici immersis, depressis, atris, vertice obtuso,
vix emersis vel tandem nudatis; sporulis filiformibus, ut plurimum
flexuosis, e strato minute cellulari oriundis, continuis, hyalinis,
35-40 \approx 1,5.

Hab. in ramis siccis Forsythiæ viridissimæ in horto bo-
tanico parmensi Ital. bor.

11. **Rhabdospora Bouwardiæ** Passer. Diagn. F. N. IV, n. 123. — Pe- 6458
ritheciis sparsis, minutis, erumpentibus, globoso-conicis, atris;
sporulis bacillaribus, rectis vel curvulis, continuis, hyalinis, 15-
20 \approx 1.

Hab. in ramis siccis Bouwardiæ versicoloris in horto bo-
tanico parmensi Ital. bor.

12. **Rhabdospora Fraxini** Pass. in Journ. hist. nat. Bord. 1885, p. 136, 6459
Brunaud Liste Sphærosp. pag. 51. — Maculis stromaticis, nigris,
elongatis, irregularibus; peritheciis punctiformibus, sparsis, nigris,
duris, subglobulosis vel vix conoideis; sporulis parum curvatis,
filiformibus, subinde uno apice parum clavatis, hyalinis, 40-50 \approx
0,5-1.

Hab. in ramis emortuis Fraxini excelsioris, Saintes Galliæ.

13. **Rhabdospora Jasmini** Passer. Diagn. F. N. V, n. 48. — Perithe- 6460
ciis (spuriis?) globoso-depressis, tectis, in macula albida crebre
sparsis, fuscis, puncto centrali, albido; sporulis cylindricis, arcua-
tis, rarius rectis, integris, hyalinis, intus nubiosis v. plurinucleo-
latis, 15-25 \approx 2,5-3,5; basidiis filiformibus, brevioribus fultis.

Hab. in ramis gelu tactis Jasmini officinalis, in horto bo-
tanico parmensi Ital. bor.

14. **Rhabdospora tenuis** Passer. Diagn. F. N. IV, p. 125. — Perithe- 6461
ciis subgregariis vel crebre sparsis, cortici immersis vel, hoc con-
sumpto, ligno insidentibus, per epidermidem vix fissam minute
erumpentibus, parvulis, globosis, atris; sporulis filiformibus, te-
nuissimis, integris, hyalinis, rectis v. curvis aut flexuosis, 18-25
 \approx 0,7-1; basidiis tenuibus, longiusculis.

Hab. in ramo emortuo Fici Caricæ, Parma Ital. bor.

15. **Rhabdospora curvula** Berl. Add. Syll. n. 4681. -- Peritheciis 6462
 tectis, globoso-conoideis, dein erumpentibus, $\frac{1}{4}$ - $\frac{1}{3}$ mm. diam.,
 atris, sursum in ostiolum obtusum perforatum desinentibus; spo-
 rulis cylindraceutis, sinuosis, curvis vel falcatis, 25-28 \approx 1-1,5; ba-
 sidiis longitudine variis, ramosis, basi sensim incrassatulis, septa-
 tis, 25-30 \approx 1, basi 3 μ . crassis, ramis apice subinde et duas spo-
 rulas sustentibus.

Hab. in ramis Mori albæ, Fiumicello Ital. bor.

16. **Rhabdospora pinea** Karst. — Syll. III, p. 585. — ***R. curva** Karst. 6463
 Symb. XX, p. 88. — Sporulis fusoido-bacillaribus, curvis, solito
 simplicibus et eguttatis, hyalinis, 30-35 \approx 3-4.

Hab. in cortice Abietis excelsæ emortuo, Mustiala Fennicæ.

— Affinis *Rh. pityophilæ*.

17. **Rhabdospora rudis** Karst. Rev. Myc. 1889. — Peritheciis mox 6464
 superficialibus, corticulis, numerosis, aggregatis vel confertis, sæ-
 pissime in acervulos aggregatis, forma valde variantibus, rotun-
 datis, oblongatis, admodum inæqualibus et difformibus, subastomis,
 atris, 0,1-0,2 mm. diam.; sporulis fusoido-bacillaribus, curvulis v.
 flexuosis, guttulatis v. pauciseptatis, hyalinis, 55-60 \approx 3.

Hab. supra corticem arborum frondosarum in Minas Geraes,
 sitio (EDW. WAINIO).

18. **Rhabdospora uncinata** Pass. in Martelli Flor. bogosensis p. 149. 6465
 — Peritheciis sparsis, sphæroideis, atris, subtectis, dein nudatis;
 sporulis tenuissimis, filiformibus, continuis, hami ad instar curva-
 tis, basidiis longiusculis fultis.

Hab. in corticibus, Keren Abyssinicæ.

II. In Dicotyledoneis herbaceis.

19. **Rhabdospora Matthiolæ** Melbr. et Brun. Suppl. Sphæroid. p. 5. — 6466
 Peritheciis globoso-lenticularibus, primum epidermide subdecolo-
 rata tectis, minutissimis, dense gregariis, nigris; sporulis cylin-
 draceutis, utrinque obtusis, 1-septatis, ad septum non constrictis, 16-
 25 \approx 2-3.

Hab. in siliquis exsiccatis Matthiolæ incanæ, Pessines pr.
 Saintes Gallicæ. — Forma **Matthiolæ sinuatæ** Cfr. Brun. Fragm.
 Myc. II, pag. 10: sporulis 14-15 \approx 3. In ejusdem siliquis, Fouras
 Gallicæ.

20. **Rhabdospora siliquarum** Fautrey Rev. Myc. 1890, p. 67. — Pe- 6467
 ritheciis perexiguis, innatis, poro pertusis; sporulis in cirrum al-

bidum tenuem ejectis, linearibus, rectis v. leviter curvis, utrinque attenuatis, 1-septatis, 18-22 \times 2.

Hab. in siliquis exsiccatis Cheiranthi Cheiri, Noidan Côte-d'Or Galliaë.

21. **Rhabdospora Drabæ** (Fuck.) Berl. et Vogl. Add. Syll. n. 4543, 6468

Phoma Drabæ Fuckel in Heuglin Reisen Nordpol. vol. III et Oudemans Contr. Flor. Myc. Now. Sem. p. 5, t. III, fig. 7. — Peritheciis sparsis, sub caulis epidermide nidulantibus, demum liberis, minutis, depresso-globosis, vertice umbonatis, pallidioribus, nigris; sporulis angustissime fusiformibus, curvatis, continuis, hyalinis, 22 \times 2.

Hab. in caulibus exsiccatis Drabæ in insula Nowaja Semlja. 6469

22. **Rhabdospora cercosperma** (Rost.) Sacc., *Septoria cercosperma* Rostr. Fung. Groenl. p. 571. — Videtur vix differre a *Rh. caudata* (Karst.) Sacc. sporulis 2-3-septatis.

Hab. in caulibus Viscariæ, Cardamines, Drabæ, Ranunculi, Coptidis, Archangelicæ, Campanulæ, Hieracii, Artemisiæ, Antennariæ, Bartsiaë, Oxyriæ in Groenlandiæ pluribus locis.

23. **Rhabdospora pleosporoides** Sacc. Syll. III, p. 588. — ***Scrophulariæ** Karst. Symb. Myc. Fenn. XXVII, p. 34. — 6470

Peritheciis cladogenis, sparsis, epidermide velatis, sphæroideo- v. oblongato-depressis, atris, subinde maculis rufescentibus insidentibus, 0,3 mm. lat., ostiolo papillato, brevi; sporulis filiformibus, rectis, continuis, obsolete guttulatis, hyalinis, 50-67 \times 1,5.

Hab. in caulibus Scrophulariæ nodosæ emortuis pr. Mustiala Fenniaë. — Var. **Cirsii** Karst. in Hedw. 1884, p. 4: peritheciis basi filamentis brevibus obsitis; sporulis filiformibus, apicibus acutis, obsolete guttulatis, 35-52 \times 1-2. In caule Cirsii in Fennia.

— ***R. longior** Karst. Symb. Myc. Fenn. XXV, p. 23: maculis nullis; peritheciis sparsis cladogenis, mox nudis rotundatis vel oblongatis, applanatis v. sæpius depressis, ostiolo papillato, circiter 0,4 mm. lat.; sporulis filiformibus, rectis, continuis, multiguttulatis, hyalinis, 50-70 μ . long. In caulibus aridis Cerefolii silvestris pr. Mustiala Fenniaë.

24. **Rhabdospora Poterii** Passer. Diagn. F. N. IV, p. 13. — Perithe- 6471

ciis minutis, sparsis, tectis, atris, ostiolo papillari, erumpente; sporulis bacillaribus continuis, rectis v. arcuatis, hyalinis; basidiis longiusculis, hyalinis, 20-30 \times 1,5-2.

Hab. in ramis Poterii Sanguisorbæ, Parma Ital. bor.

25. **Rhabdospora Saponariæ** Bres. et Sacc. in Berl. et Bres. Micr. 6472
Trid. pag. 76. — Peritheciis subsparsis, minutis, nigris; sporulis bacillaribus, utrinque rotundatis, sæpe leniter curvulis, 6-guttulatis, 12-15 \approx 1,5, hyalinis; basidiis teretibus, subflexuosis, sæpe fartctis, paullo brevioribus suffultis.
Hab. in caulibus Saponariæ officinalis, Val di Sole pr. Trento.
26. **Rhabdospora microspora** Har. et Karst. Rev. Myc. 1890. — Pe- 6473
ritheciis in maculis elongatis, parvis, griseo-atris, gregatim sparsis, erumpentibus, sphæroideis, subastomis, atris, 50-60 μ . diam.; membranaceis tenuissimis, contextu parenchymatico; sporulis filiformibus, rectis vel curvulis vel subflexuosis, continuis, hyalinis, 10-16 \approx 0,5-1.
Hab. in caulibus siccis Althææ roseæ in Gallia (P. HARIOT).
27. **Rhabdospora Campanulæ** Fautr. Rev. Myc. 1892, p. 9. — Peri- 6474
theciis sparsis, subcutaneis, ostiolo erumpente; sporulis filiformibus, 40-60 \approx 2, guttulatis.
Hab. in caulibus Campanulæ Trachelii, Noidan, Côte-d'Or Galliae.
28. **Rhabdospora Betonicæ** Sacc. et Br. in Rev. Myc. 1885. — Pe- 6475
ritheciis sparsis, plus v. minus approximatis, subepidermicis, ostiolo prominente, $\frac{1}{7}$ - $\frac{1}{6}$ mm. diam.; sporulis cylindraceo-filiformibus, obtusiusculis, rectis, raro flexuosis, hyalinis, simplicibus v. obscure guttulatis, 20-24 \approx 1-1,5.
Hab. in caulibus siccis Betonicæ officinalis pr. Troyes Galliae.
29. **Rhabdospora Thalictri** Har. et Karst. Rev. Myc. 1890. — Peri- 6476
theciis gregatim sparsis, subinde confertis, subconfluentibus, erumpentibus, epidermide demum fissa tectis, rotundatis, ellipsoideis v. oblongatis, plus minus applanatis, poro orbiculari vel sæpius oblongato pertusis, atris, hyphis parcis, repentibus, articulatis, ramosis, fuligineis, basi cinctis, 60-100 μ . diam.; sporulis filiformibus curvulis, guttulatis, 40-65 \approx 0,5-1.
Hab. ad caules emortuos Thalictri minoris in Arvernia Galliae (P. HARIOT).
30. **Rhabdospora disseminata** Sacc. et Paol. in Sacc. Myc. Sib. p. 24, 6477
f. 25. — Longe lateque crebriuscule disseminata; peritheciis punctiformibus, globoso-depressis, atris, epidermide velatis, $\frac{1}{10}$ mm. lat., demum subinde umbilicatis; sporulis exiguis, bacillaribus, 15-20 \approx 2, rectis, eguttulatis, hyalinis.

- Hab.* in caulibus *Thalictri* sp. in silvis pr. flum. Ubei Sibiriae (MARTIANOFF).
31. **Rhabdospora maculans** Sacc. et Berl. in Sacc. Myc. Sib. p. 23, 6478 f. 22. — Peritheciis minutis, 150 μ . diam., membranaceis, epidermide tectis, macula fusca insidentibus; sporulis bacillaribus, numerosissimis, 18-22 \approx 1, hyalinis.
Hab. in ramis exsiccatis *Axyridis amaranthoidis* in ruderatis pr. pag. Gladen Sibiriae (MARTIANOFF).
32. **Rhabdospora Rutæ** Fautr. et Roum. Rev. Myc. 1801, p. 80. — 6479 Peritheciis minutis, confertis, numerosis, late apertis; sporulis filiformibus, hyalinis, continuis, 14-25 \approx 2-2,5.
Hab. in caule *Rutæ graveolentis* cultæ, Noidan, Côte-d'Or Galliæ.
33. **Rhabdospora Rhinanthi** (Fr.) Oud. Contr. Myc. Pays-bas p. 51, *Zythia* Fr. — Syll. III, p. 615. — Sec. cl. Oudem l. c., perithecia omnino nigra et membranacea, atque sporulæ 12-14 \approx 2,5, hyalinæ, continuæ, 3-5-guttulatæ. Nascitur quoque in caule et capsulis *Rhinanthi minoris*, Apeldoorn Nederlandiæ.
34. **Rhabdospora Kellermani** E. et M. Journ. Myc. 1887, p. 90. — 6480 Maculis obsolete; peritheciis nigris, innatis, lenticularibus, sparsis, 126-150 μ . diam.; sporulis filiformibus, hyalinis, subrectis, 45 \approx 1,5.
Hab. in caulibus et foliis *Scrophulariæ nodosæ* et *Mimuli ringentis*, Ohio Amer. bor.
35. **Rhabdospora verbenicola** Sacc. Syll. III, p. 590. — Var. **major** Brunaud Liste Sphærops. p. 52. — Sporulis 40-50 \approx 1,5. In caulibus emortuis *Verbenæ officinalis*, Saintes Galliæ.
36. **Rhabdospora Succisæ** Karst. et Fautr. Rev. Myc. 1891, p. 9. — 6481 Peritheciis confertis, majusculis, nigris, subcutaneis, papilla epidermidem perforante; sporulis filiformibus, rectis v. varie curvis, uno apice plerumque acutioribus, 40-65 \approx 1,5.
Hab. in caule *Scabiosæ Succisæ*, Forêt de Clamercy Galliæ. — Videtur eadem ac sequens.
37. **Rhabdospora Scabiosæ** Fautrey Rev. Myc. 1890, n. 47. — 6482 Peritheciis sparsis, subcutaneis, subsphæroideis, basi hyphis innatis, fuligineis, circumdatis, atris, contextu parenchymatico, fuligineo, ostiolo papillato, epidermidem perforante, 0,2 mm. diam.; sporulis filiformibus, rectis vel flexuosis, guttulatis, hyalinis, 50-75 \approx 1,5-2.
Hab. ad caules exsiccatos *Scabiosæ Succisæ*, Clamercy Galliæ (FAUTREY). — *Rh. pleosporoidi* proxima.
38. **Rhabdospora dipsacea** Sacc. Bomm. et Rouss. Contr. Myc. Belg. 6483

III, p. 21. — Peritheciis punctiformibus, $\frac{1}{5}$ - $\frac{1}{4}$ mm. diam., epidermide tectis, mammillatis, nigris, ostiolo brevi, recte epidermidem perforante donatis, laxe gregariis; sporulis hyalinis, cylindraceis, curvatis, pluriguttulatis, medio pseudoseptatis, 30-32 \approx 3-4.

Hab. in caulibus emortuis *Dipsaci silvestris*, Yvoir Belgii.

39. **Rhabdospora Polemoniorum** Sacc. et Paol. in Sacc. Myc. Sib. 6484 p. 23, f. 24. — Peritheciis hinc inde dense maculiformiter congregatis hyphisque brevibus atris, ramulosis septatis, cinctis, epidermide diu velatis, 80-100 μ . lat., obsolete papillatis; sporulis bacillaribus utrinque subobtusis, rectis, hyalinis, 28-33 \approx 1,5-2.

Hab. in ramis *Polemonii cœrulei* in pratis pr. flum. Syda Sibiriae (MARTIANOFF). — Cum *Septoria Polemonii* Thüm., non comparanda.

40. **Rhabdospora Cirsii** Karst. — Sacc. Syll. Fung. III, p. 592. — 6485
Var. **Calimeridis** Sacc. Myc. Sibir. p. 24, f. 23. — Peritheciis obtuse papillatis, $\frac{1}{4}$ mm. lat.; sporulis filiformibus, continuis, curvulis, 45-50 \approx 1,5.

Hab. in caulibus emortuis *Calimeridis altaicæ* in desertis pr. Gorodok Sibiriae (MARTIANOFF).

41. **Rhabdospora Tragopogonis** Rich. Cat. Champ. Marn. Suppl. p. 548. 6486
— Peritheciis prominulis, in series lineares dispositis; sporulis eguttatis, 18 μ . long.

Hab. in caulibus *Tragopogonis*, Lassu, Marne Galliae. —

Rh. Solidaginis affinis.

42. **Rhabdospora Lactuæ** Brun. Liste Sphærops. pag. 52. — Peri- 6487
theeciis primo tectis dein erumpentibus, globulosis, nigris, minutis; sporulis linearibus, rectis vel vix curvulis, continuis, 17-23 \approx 1-2, hyalinis.

Hab. in caulibus emortuis *Lactuæ virosæ*, Saintes Galliae.

43. **Rhabdospora Achilleæ** Bres. Rev. Myc. 1891, p. 30, t. 114, f. IX. 6488
— Maculis nullis; peritheciis gregariis, elongato-subellipsoideis, epidermide velatis, ostiolo centrali, erumpenti pertusis, 70-90 μ . diam.; sporulis filiformibus, arcuatis, guttulatis, hyalinis, 25-30 \approx 1,5; basidiis ampulliformibus, 10-15 \approx 4-5.

Hab. in caule *Achilleæ Millefolii* pr. Leutschau Hungariæ (GRESCHIK).

44. **Rhabdospora Greschikii** Bres. Rev. Myc. 1891, pag. 30, t. 114, 6489
fig. VIII. — Peritheciis dense gregariis, globoso-depressis, minutis, atris, subcutaneis, poro rotundo centrali suberumpente pertusis, 100

$\mu.$ diam.; sporulis bacillaribus, hyalinis, 3-septatis, 42-60 \approx 4-5; basidiis filiformibus brevioribus suffultis.

Hab. in caule *Artemisiæ scopariæ*, sociâ *Dichomerâ æquivocâ*, pr. Leutschau Hungariæ (GRESCHIK).

45. **Rhabdospora tomispora** Berl. et Bres. *Micr. Trid.* p. 76. — Pe- 6490
 ritheciis minutis, in maculis candidis, elongatis v. rotundatis, gregariis, 120-150 $\mu.$ diam., nigris, punctiformibus, contextu laxe parenchymatico, fuligineo-rufulo; sporulis filiformibus, 35-45 \approx 1, curvulis, 3-5-septatis, mox in articulos utrinque truncatos, 12-14 \approx 1, dilabentibus, hyalinis; basidiis teretibus, ramulosis, longitudine variis.

Hab. in caulibus emortuis *Artemisiæ vulgaris* pr. Trento.

46. **Rhabdospora Artemisiæ** Trail *Fung. Hard.* p. 494. — Peritheciis 6491
 sparsis, æqualiter effusis, globosis, 130-140 $\mu.$ diam.; ostiolis prominulis, epidermidem perforantibus; sporulis fusoido-filiformibus, rectis v. subcurvis, 8-15 \approx 1, pluriguttatis, hyalinis.

Hab. in caulibus emortuis *Artemisiæ vulgaris*, Graven Scotiæ.

47. **Rhabdospora subgrisea** Peck in 38 *Rep. St. Mus.* p. 98. — Pe- 6492
 ritheciis numerosis, punctiformibus, depressis, nigris, epidermide tectis, sæpe in maculis longis, indefinitis, griseo-brunneis; sporulis filiformibus, rectis v. curvulis, 30-62 $\mu.$ longis.

Hab. in caulibus emortuis variarum *Solidaginum*, Albany Amer. bor. (CLINTON).

48. **Rhabdospora Xanthii** Peck 39 *Rep.* p. 47. — Peritheciis nume- 6493
 rosis, parcis, 275-350 $\mu.$ lat., depressis, epidermide tenui, brunnea v. nigricata, ostiolis pertusa tectis; sporulis filiformibus, curvis, hyalinis, 20-30 \approx 1,5.

Hab. in caulibus emortuis *Xanthii strumarii*, Albany et North Greenbush Amer. bor.

49. **Rhabdospora Parietariæ** Celotti *Mic. Montp.* p. 30. — Peritheciis 6494
 numerosis, sparsis, depressis, innatis, margine epidermide tectis, fuscis, 120-130 $\mu.$ diam.; sporulis linearibus, curvulis, initio hyalinis, continuis, dein pallide chlorinis, 3-4-septatis, 25-30 \approx 1-2, indistincte guttatis.

Hab. in caule *Parietariæ officinalis*, Montpellier Galliæ.

50. **Rhabdospora Mühlenbeckiæ** Passer. *Diagn. F. N. V.* n. 45. — 6495
 Sparsis, hypodermeis, pustuliformibus; peritheciis membranaceis, minute cellulosis, fuscis; sporulis filiformibus, tenuissimis, integris, apice sæpius uncinatis, 20-25 $\mu.$ long.

Hab. in ramis Mühlenbeckiæ complexæ, Roma Italiæ.

51. **Rhabdospora Euphorbiæ** Brunaud Liste Sphærops. p. 52. — Pe- 6496
 ritheciis sparsis v. gregariis, cortice nidulantibus, tectis, minutis,
 globulosis, ostiolo obtuso, erumpente; sporulis allantoideis, conti-
 nuis, subinde (raro) utrinque guttulatis, rectis v. parum curvatis,
 hyalinis, 12-18 = 2.

Hab. in caulibus emortuis Euphorbiæ palustris, Saintes
 Galliæ.

III. In Monocotyledoneis et Acotyledoneis.

52. **Rhabdospora sabalensis** Cooke Grev. XIX, p. 14. — Peritheciis 6497
 atris, gregariis, subglobosis, innato-erumpentibus, demum subsu-
 perfacialibus, ostiolo pertuso; sporulis elongato-fusiformibus, sub-
 curvulis, utrinque acutis, 5-septatis, hyalinis, 50-60 = 4.

Hab. in petiolis Sabal, Aiken Carol. inf. Amer. bor. (RAVENEL).

53. **Rhabdospora Chlorogali** Cooke et Hark. in Grevillea XIII, p. 111. 6498
 — Caulicola, gregaria; peritheciis atris, punctiformibus, subdepres-
 sis, cuticula hyalina tectis, demum erumpentibus, seminudis; spo-
 rulis bacillaribus, utrinque obtusis, rectis flexuosisve, hyalinis, ob-
 scure nucleatis, 30 = 3.

Hab. in caulibus Chlorogali in California (HARKNESS).

54. **Rhabdospora umbrosa** Bomm. Rouss. Sacc. Contr. Myc. Belg. IV, 6499
 p. 289. — Peritheciis sparsis, 300-360 μ . diam., innatis subcuta-
 neis, dein erumpentibus, globulosis, poro papillato dehiscentibus;
 sporulis fusoido-elongatis, hyalinis, plerumque rectis, 3-septatis,
 3-guttulatis, 24-30 = 3, medio lenissime constrictis, utrinque obtu-
 sulis, loculo uno subinde inflato.

Hab. in caulibus Polygonati multiflori, Poix Galliæ.

55. **Rhabdospora? leptospora** (Mass.) Sacc., *Cucurbitariopsis leptospora* 6500
Mass. Contr. Mic. Ver. p. 133, t. V, f. XXXIII (expositio
 incorrecta). — Peritheciis globoso-conoideis, intra perithecia *Leptosphaeria*
 cujusdam singulatim parasiticis, ostiolo obtusulo cum
 illo *Leptosphaeria* confluente, nigricantibus; sporulis elongato-
 filiformibus, minutissime guttulatis, uno apice acutatis, curvulis,
 hyalinis, 40-48 = 1,5-2.

Hab. intra perithecia *Leptosphaeria* cujusdam ad caules
 Clematidis? v. Atragenes? speciei in regione subalpina Passo
 Ristele ad pedes Mont. Zeola in agro veronensi.

B. *Rhabdina* Sacc. Perithecia superficialia, lignicola (ad *Collonema nutat*).

56. **Rhabdospora decorticata** Cooke et Hark. in Grevillea XIII, p. 112. 6501

— Peritheciis erumpenti-superficialibus, subglobosis, atris, papillatis, levibus; sporulis filiformibus, flexuosis vel curvulis, hyalinis, continuis, 25 μ . longis.

Hab. in ligno *Acaciæ* decorticato in California (HARKNESS).

57. **Rhabdospora Lagerstrœmiæ** Passer. Diagn. F. N. V, n. 44. — 6502

Peritheciis ligno adnatis, gregariis v. sparsis, subglobosis, ostiolo acuto, carbonaceo, nucleo albo; sporulis fusoido-filiformibus, utrinque attenuato-acuminatis, hyalinis, crebre septatis, 40-50 \approx 2,3.

Hab. in ramis siccis *Lagerstrœmiæ* indicæ, sociâ *Diplodiâ Lagerstrœmiæ*, Parma in horto botanico, Ital. bor.

58. **Rhabdospora Aucubæ** Brun. Esp. Sphærops. p. 3. — Peritheciis 6503

numerosis, gregariis, per ligni fibras seriatim erumpentibus, globuloso-compressis, nigris, pertusis; sporulis filiformibus, rectis v. curvis, hyalinis, 20-25 \approx 1, continuis.

Hab. in ligno emortuo decorticato *Aucubæ japonicæ*, Saintes Galliæ.

COLLONEMA Grove in Journ. of Bot. 1886, pag. 136, t. 266, fig. 5 (Etym. a *colla* gluten et *nema* filum, ob sporulas arcte conglutinatas), *Oncosporella* Karst. Symb. Myc. Fenn. XX, pag. 105. — Perithecia subglobosa, subcarbonacea, glabra, superficialia, ostiolo plus minus lato pertusa, subinde papillata. Sporulæ longæ, cylindricæ vel fusoidæ, continuæ, hyalinæ, sæpius in globulum expulsæ. — Est *Aposphæria* scolecospora.

1. **Collonema hemisphæricum** (A. S.) Grove in litt., *Aposphæria?* *hemisphæria* (A. et S.) Sacc. Syll. III, p. 170.

2. **Collonema schizothecioides** (Pr.) Grove in litt., *Aposphæria?* *schizothecioides* (Pr.) Sacc. Syll. III, p. 177.

3. **Collonema papillatum** Grove in Journ. of Bot. 1886, pag. 136. — 6504

Peritheciis minutis, gregariis, atris, globosis v. subovatis, basi ligno insculptis, dein liberis, sursum in papillam conicam, pulchram, poro exiguo pertusam, attenuatis, rugosis, 0,8-0,13 mm. diam., nucleo albo, arctissime conglutinato, cirro longissimo, tenuissimo, filiformi; sporulis fusoidis, utrinque longe attenuatis, acutissimis, curvulis, eguttulatis, hyalinis, 18-19 \approx 2 $\frac{1}{2}$.

Hab. in corticis *Aceris Pseudoplatani* pagina interiori, Sutton Coldfield, prope Birmingham Britannicæ, socio *Graphio penicillioide*. — Sporulæ aqua diu suffusæ, difficillime tamen, solvuntur.

4. **Collonema punctiforme** (Karst.) Sacc. *Oncosporella* Karst. Symb. 6505

Myc. Fenn. XX, p. 105. — Peritheciis sparsis v. laxè gregariis, erumpenti-superficialibus, subrotundo-depressis, glabris, contextu fibroso, fuligineo, fusco-atris, 0,1-0,2 mm. diam., mox ore lato apertis; sporulis bacillaribus v. filiformibus, plus minus curvatis, sæpissime falcatis, pluriguttulatis v. spurie pluriseptatis, hyalinis, 27-45 \approx 3-4, in globulum persistentem pallidum ejectis.

Hab. in ligno vetusto Populi tremulæ in regione mustialensi Fennicæ.

PHLEOSPORA Wallr. Fl. crypt. p. 176, Sacc. Syll. III, p. 577. *Septorella* Berk. Withe Rust. Cabb. p. 7. — Ob perithecii contextum parum distinctum, quasi e matricis cellulis infuscatis formatum, genus hoc fere æquo jure ad *Melanconieas* trahi potest, at in anticipiti hic servari potest. Quocumque vero ponas, certe species ejus typicæ (e. g. *Phl. Mori*) sub *Phleospora* militare debent, nec ad *Septoglœum* adscribendæ sunt, uti cl. Briosi et Cavara nuper fecerunt.

1. **Phleospora Celtidis** E. et M. Journ. Myc. 1887, p. 87. — Maculis griseo-brunneis, centro griseis, irregularibus, coalescentibus; peritheciis atro-brunneis, subglobosis, prominulis, in quaque macula paucis, amphigenis, 200-275 μ . diam.; sporulis subhyalinis, subfusoides, utrinque subacutis, curvis, 6-8-septatis, 70-80 \approx 8-10. 6506

Hab. in foliis Celtidis occidentalis, Missouri Amer. bor.

2. **Phleospora Asiminæ** Ell. et Morg. Journ. Myc. 1887, pag. 88. — Maculis atro-brunneis, venulis foliis limitatis; peritheciis valde rudimentariis, minutis, confertis, subtus deficientibus; sporulis oblongo-fusoides, granuloso-farctis, guttatis, demum 3-septatis, subconstrictis, 20-40 \approx 12-15, in massam pruinosa exeuntibus; basidiis validis, 10-20 \approx 6-10. 6507

Hab. in foliis Asiminæ trilobæ, Preston, Ohio Amer. bor.

(A. P. MORGAN). — Habitus *Cylindrosporii*. An *Septoglœum*?

3. **Phleospora Æscuii** Cooke in Grev. XVI, p. 48. — Hypophylla; peritheciis innatis, demum supra pertusis; sporulis cylindræis v. obtuse fusoides, 3-septatis, 30-35 \approx 8, hyalinis, in massas exeuntibus. 6508

Hab. in foliis Castaneæ vescæ, Shere Britannicæ (Doct. CAPRON).

4. **Phleospora Anemones** E. et K. Journ. Mycol. 1887, p. 88. — Maculis purpurascens, in folio flavido; peritheciis subtus distincte 6509

prominulis, poro lato pertusis; sporulis cirroso-exeuntibus, hyalinis, guttatis, demum 3-septatis, circ. 25-40 \approx 3.

Hab. in foliis *Anemones*, Kansas Amer. bor. (KELLERMAN).

5. **Phleospora Trifolii** Cavara App. Pat. Veg. p. 7, t. 6, f. 5-6. — 6510

Peritheciis globoso-lenticularibus, in maculis flavescentibus nervi-sequis, sparsis, amphigenis, epidermide tectis, late pertusis, 170-180 μ . diam.; sporulis crassiusculis, fusoideis vel teretibus, rectis aut suballantoideis, continuis v. obsolete 1-3-septatis, utrinque obtusis, initio guttulatis, hyalinis, in nubeculas diffluentibus, 16-18 \approx 4-5.

Hab. in foliis *Trifolii repentis* in agro ticinensi Italiæ. —

— Var. **recedens** C. Mass. Contr. Mic. Ver. p. 96: maculis oblongis, majoribus; sporulis crassiusculis, subfusiformi-cylindraceutis, rectis v. curvulis, plurimis continuis, rarius 1-3-septatis, interdum subarticulatis, utrinque obtusis, vulgo 16-24 \approx 5-5,5. In foliis *Trifolii pratensis* in collibus pr. Tregnago pr. Veronam Ital. bor.

6. **Phleospora Oxytropidis** Ell. et Gall. Journ. Myc. 1889, p. 65. — 6511

Peritheciis amphigenis, innato-erumpentibus, circ. 200 diam., sparsis, nigris; sporulis cylindraceutis v. ovoideis, 40-50 \approx 3,5-4,5, hyalinis, rectis v. obtusis, in massam hyalinam exeuntibus.

Hab. in foliis *Oxytropidis Lamberti*, Great Falls, Montana Amer. bor. (F. W. ANDERSON).

7. **Phleospora reticulata** Ell. et Ev. Proc. Acad. Phil. 1891, p. 81. 6512

— Maculis subquadratis, 1 mm. lat., plerumque marginalibus, albis, atro-marginatis, numerosis et confluentibus in maculam oblongam amplam, 1-2 \approx 0,5., obscurius limbatam, maculis minoribus reticulatam; sporulis linearibus, 100-160 \approx 3,5-4, utrinque tenuatis, 3-6-septatis, sæpe constrictis, mox in cirrum carneolum ejectis.

Hab. in foliis *Lathyri palustris* London Canada (DEARNESS). — Perithecia imperfecta, quasi e cellulis matricis infuscatis composita.

8. **Phleospora baccharidicola** Speg. F. Puigg. n. 427. — Maculis nul- 6513

lis; peritheciis hinc inde dense aggregatis, noduloso-prominulis globulosis, 150-180 μ . diam., atris, coriaceis, ostiolatis; sporulis cylindraceutis, utrinque obtusissimis, rectis vel arcuatis, continuis v. rarius 1-2-pseudoseptatis, 60-100 \approx 4-5.

Hab. ad folia viva *Baccharidis* sp. cujusdam in dumetis prope Apiahy Brasilæ.

9. **Phleospora achyranthea** Sacc. et Berl. in Rev. Myc. 1885. — Ma- 6514

culis albidis vel ochraceis; peritheciis innatis, matrice parum mu-