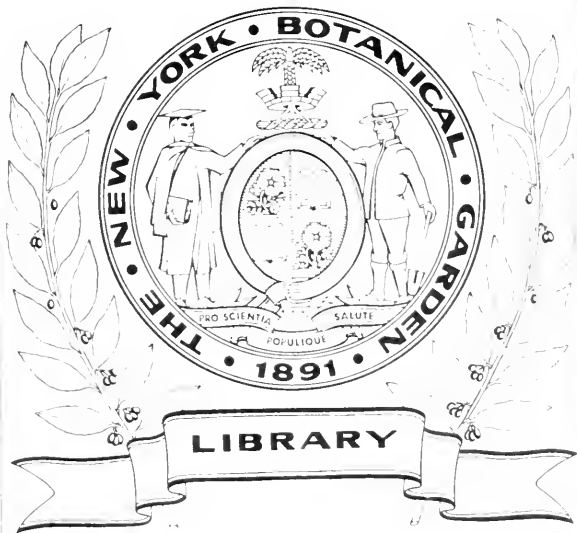


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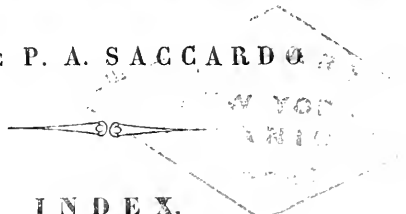


1881

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# MISCELLANEA MYCOLOGICA

AUCTORE P. A. SACCARDO



## I N D E X.

I. Fungi gallici. — II. Fungi belgici. — III. Fungi helvetici et tyrolenses. — IV. Fungillus italicus Cactaceis noxius. — V. Fungi ex insula Tahiti, ex America boreali et ex Australia.

### I.

Fungi gallici lecti a cl. M. BRIARD (Troyes), P. BRUNAUD (Saintes), C. G. GILLET (Alençon), Ab. LETENDRE (Rouen), A. MALBRANCHE (Rouen) et beat. Domina LIBERT (Malmédy).

### Series V.

- 2182. *Hydnum ochraceum* Pers. \**tener*: minus, resupinatum margine secedente subreflexo, tenui-membranacco, pallido, non zonato; aculeis minimis subintegris, crebris, aequalibus, alutaceis. — In sarmentis emortuis Rubi St. Jouin sur mer (LETENDRE, n. 1725).
- 2183. *Hydnum stipitatum* Fr. — In trunco salicino, Rouen (LET. n. 1469).
- 2184. *Polyporus imbricatus* Fr. — Ad truncos pr. Rouen (LET. n. 1719).
- 2185. *Polyporus molluscus* Fr. — In ramis corticatis, Alençon (GILLET, n. 6).
- 2186. *Radulum orbiculare* Fr. — In sarmentis Rubi, Rouen (LET. n. 1794). Est forma minor aculeis acutiusculis subdenticulatis.

2187. *Solenia stipitata* Fuch. — In fragmentis ligneis, Rouen (LET. n. 1811).
2188. *Phlebia radiata* Fr. — In cortice duriore quercino, Rouen (LET. n. 1793).
2189. *Calocera stricta* Fr. — In ligno quercino putri, Pessines (BRUN. n. 15). — Sporophora repetite stricte ramosa. Sporæ clavulatae, deorsum acutae, 9-12 = 4-5, hyalinae, medio tenuiter 1-septatae, non constrictae. Videtur species Friesiana, sed specimina authentica non vidi.
2190. *Tremella mesenterica* Retz. — In ramo Fraxini, Rouen (LET. n. 1780).
2191. *Tremella torta* Berk. — Ad ramos dejectos, Rouen (MALER. n. 235).
2192. *Epidochium disciforme* (Fr.) Sacc. — Cryptomyces disciformis Fr. — Ad ramos Ulmi Malmædy (LIB. 1005). — Sporophora fasciculata, filiformia, e strato poligero lutescente oriunda, in clavulam ovatam 10-15 = 8-9 apice dilatata; sporæ . . .
2193. *Puccinia mixta* Fuck. — In foliis Alliorum, uredosporae et teleutospora, prope Rouen (LET. n. 1715).
2194. *Peronospora Radii* De Bary. — In corollis Chrysanthemi inodori, Rouen (MALER. n. 764).
2195. *Valsa* (Euvalsa) *tenella* H. Fabr. — In ramis emortuis Callunæ vulgaris, Troyes (BRIARD, n. 5). — Asci 32-36 = 4-5; sporidia 8 = 2.
2196. *Valsa* (Euvalsa) *sorbicola* Nits. — In ramis emortuis Sorbi Terminalis, Troyes (BRIARD, n. 4).
2197. *Eutypa scabrosa* (Bull.) Fuck. — Ad ramos Fraxini, Rouen (MALER. n. 709).
2198. *Eutypella parvula* Sacc. — Stromatibus laxè parallele gregariis, elongato-lanceolatis, erumpentibus basi ligno infossis, convexiusculis, nigris, 1 ½ mill. long., ½ mill. crassis; ostioliis exiguis vix extantibus, obtu-



- sis, angulosis; peritheciis globosis, atris, paucis, monostichis, extus albedo-furfurellis; ascis clavatis, longe stipitatis,  $110 \approx 10$ , p. sporif.  $50-60 \mu$  longis, octosporis; sporidiis distichis allantoideis, curvulis,  $11-14 \approx 3$ , pallide olivaceis. — In ramulis denique decorticatis *Symphoricarpi racemosæ*, Saintes (BRUNAUD, n. 1). — Stromatibus lanceolatis, minutis imprimis dignoscenda species.
2199. *Physalospora citrispora* (B. et Br.) Sacc. — In ramis corticatis Tiliæ argenteæ, Troyes (BRIARD n. 1). — Asci  $72-96 \approx 24-28$ , sporidia ovato-citriformia,  $20-24 \approx 10-12$ . Ab hac forte non differt *Phys. erratica* (C. et E.) Sacc.
2200. *Didymella Picconii* De Not. — In cortice levi Pini, Rouen (MALBR. 667.). — Asci  $75 \approx 9$ , paraphysati; sporidia didyma  $18 \approx 6$ , 4-guttata, loculo sup. majori.
2201. *Didymosphæria Betulæ* (Niessl) Sacc. Syll. I, 707. — In ramis emortuis corticatis Betulæ albæ pr. Troyes (BRIARD, n. 1).
2202. *Diaporthe* (Tetr.) *oligocarpa* Nits. — In ramulis corticatis Cerasi, Rouen (MALBR. n. 690). — Asci  $48 \approx 6-7$ ; sporidia constricto-biconica,  $13 \approx 4$ .
2203. *Diaporthe* (Chorostate) *putchella* Sacc. et Br. — Pustulis gregariis, subcutaneo-erumpentibus,  $1\frac{1}{3}-1\frac{1}{2}$  mill. d.; peritheciis paucis circinantibus,  $\frac{1}{3}-\frac{1}{2}$  mill. d., globulosis, ostiolis convergentibus, brevibus, non exsertis; ascis fusoides, subæssilibus, aparamphysatis,  $60-76 \approx 12-16$ ; lumine apice minute bifoveolato, octosporis; sporidiis subdistichis, oblongo-fusoides, constricto-1-septatis,  $16-22 \approx 7-9$ , utrinque acutiusculis, rectis curvulisve, hyalinis. — In ramis corticatis Populi pyramidalis, Troyes (BRIARD, n. 5). — *Melanconi dolosæ* (Fr.) De Not. affinis videtur.
2204. *Diaporthe* (Chorostate) *Briardiana* Sacc. — Peritheciis

subcutaneo-prominulis, in acervulos valseos exiguos, gregarios, dense congestis, globulosis,  $\frac{1}{3}$  mill. d., ostiolis breviusculis vix convergentibus peridermium vix perforantibus; ascis oblongo-fusoideis, subinæqualibus, 44-52 = 6-8, octosporis; sporidiis monostichis v. distichis, oblongo-ellipsoideis, utrinque obtusiusculis, 12-14 = 4, medio leniter constrictis, tenuiterque 1-septatis, 4-guttatis hyalinis. — In ramis emortuis salicinis pr. Troyes (BRIARD, n. 5). — Eximio et sollerti botanico Maj. BRIARD e Troyes Galliae meritissime dicata species hæc et aliæ sequentes ab ipso sagaciter perscrutatae.

2205. *Diaporthe* (Chorostate) *Trecassium* Sacc. et Briard. — Peritheciis corticolis, in acervulos valsecos conico-discoideos, regulares, arcte aggregatis, globosis, atris  $\frac{1}{3}$  mill. d., stromate albido ligneo exceptis circuloque nigro eximie circumscriptis, ostiolis in eorum atrum obtusiusculum parum extans coalescentibus; ascis cylindraccis breve stipitatis, apice lumine coarctato, rotundatis, p. sporif. 95-110 = 9-11, octosporis; sporidiis monostichis ellipticis utrinque subrotundatis, constricto-1-septatis, 18-22 = 7-9, biguttatis granulosive, hyalinis. — In ramis corticatis Platani orientalis pr. Troyes (*Trecasses*). — Ob sporidia elliptica et ascos teretes ad *D. fibrosam* nutat (BRIARD, n. 9).
2206. *Diaporthe* (Euporthe) *trinucleata* Niessl. — In caulibus Andryalæ, Saintes (BRUNALD, n. 11). Ascis 70 = 7; sporidia 12 = 4, sæpius 3-guttata.
2207. *Amphisphæria anceps* Sacc. et Briard. — Peritheciis ligno striolatim nigrificato subimmersis, globulosis, compressiusculis, minutis,  $\frac{1}{4}$  mill. d., minute papillatis; ascis tereti-clavulatis, stipitatis, apice obtusis, octosporis, 63 = 10 p. specif.; sporidiis oblique mo-

nostichis, 4-septatis, lenissime constrictis, 9-11 = 5-6, biguttatis, olivaceis. — In ramis decorticatis emortuis Populi, pr. Troyes (BRIARD, n. 10). — Hinc *Didymosphæriæ* (Microtheliæ), hinc *Valsariæ* (Phæospermati) nutat, ideoque anceps *Amphisphæriæ* species.

2208. *Oothia Quercus* Fuck. — In ramis corticalis Quercus, Troyes (BRIARD, n. 2). — Asci 140-160 = 43-46; sporidia didyma, fuliginea, 20-24 = 40-12.

2209. *Melanconis occulta* (Fuck.) Sacc. Syll. I, 605. — In ramis Populi tremulæ pr. Troyes (BRIARD, n. 3).

2210. *Pleospora Bardanæ* Niessl f. *Platani* Sacc. — In ramulis corticalis Platani orientalis pr. Troyes (BRIARD, n. 7).

2211. *Pleospora vagans* Niessl, *β pusilla*. — In foliis Bambusæ cultæ pr. Rouen (LETENDRE, n. 4707). — Asci crassi, clavati, 70-80 = 17-20. Sporidia disticha fusoideo-oblonga, 22 = 8, supra medium constrictum inflatula, 5-septata, longitud. parce divisa, olivaceo-fusca.

2212. *Cucurbitaria delitescens* Sacc. \**Prunorum*. — Peritheciis in cæspitulos collectis, transverse erumpentibus, globosis subinde confluentibus, obtuse papillatis, minutis, atris  $1\frac{1}{4}$ - $\frac{1}{2}$  mill. d.; ascis tereti-clavulatis, paraphysatis, breve stipitatis, 470 = 20-25 p. sporif., octosporis; sporidiis oblique monostichis obovato-ellipsoideis, apice obtusioribus, 28-32 = 15, 7-septatis denseque muriformibus, ad septum medium manifeste, ad cetera vix constrictis, 25-32 = 12-15, olivaceo-fuligineis. — In ramis corticatis Pruni spinosæ pr. Troyes (BRIARD, n. 16). A typo præcipue sporidiis majoribus differt.

2213. *Melanomma Briardianum* Sacc. — Peritheciis gregariis, sæpeque 2-4 arcte confluentibus, globoso-conicis, vix  $\frac{1}{2}$  mill. d., breve, subinde obsolete, papillatis,

durissimis, atris, extus sub-plicatis; ascis tereti-clavatis, copiose paraphysatis, apice rotundatis, 160 = 16, octosporis; sporidiis oblique monostichis, fusoides, curvulis, utrinque attenuatis, 36-40 = 7-8, 3-septatis, ad septum medium constrictis, loculis mediis sæpe inflatulis, 1-guttatisque, olivaceis, extimis paulo pallidioribus. — In ramis decorticatis lignoque corrupto Salicis et Ribis, pr. Troyes (BRIARD). Species forma perithecorum sporidiorumque facile, ut videtur, distinguenda.

2214. *Leptosporia Michotii* (West.) Sacc. — In foliis Bambusæ cultæ pr. Rouen, sociâ *Pleospora vagante* (LETENDRE, n. 1707).

2215. *Sporormia minima* Auersw. — In fimo vaccino, Saintes (BRUNAUD, n. 75). Asci 60-70 = 12; sporidia tetramera, 30 = 5.

2216. *Metasphæria conformis* (B. et Br.) Sacc. *Sphæria conformis* B. et Br. et Curr. Spher. Hook. — In ramis Alni, Troyes, sociis *Cryptospora suffusa* et *Cryptosporio Neesii*, quæ inter se metageneticæ vere connexa sunt, non vero, ut opinor, cum *Metasph. conformi* neque cum *Ditopella*, quibus (mirum!) a Tulasneo subjunguntur (BRIARD). — Eximia species, perperam ab auctoribus ut forma *Ditopellæ fusisporæ* habita, hinc (quia mihi tunc ignota) in *Sylloge* omissa. Perithecia majuscula,  $\frac{1}{4}$  mill. d., tecta, depressula, papilla acuta erumpente; ascii crasse fusoides sessiles, apice obtusi, 60-72 = 18-20, octospori, paraphysati (an?); sporidia disticha v. oblique 1-sticha, tereti-oblonga, utrinque rotundata, curvula, 3-septata, non constricta, 20-24 = 7-8, 4-nucleata v. pluriguttulata, hyalina. — Characteres *Metasphæriæ*, sed natura potius *Calosporæ*, tamen vere simplex.

2217. *Zignoella dolichospora* Sacc. — In ligno putri, Hi-

cis, Rouen (LETENDRE, n. 1785). — Asci clavati 85-90 = 12; sporidia fusiformia, curvula, 5-7-septata, 36 = 6, hyalina.

2218. *Cryptospora Betulæ* Tul. — In ramis corticatis *Betulæ albæ* pr. Troyes (BRIARD, n. 2).

2219. *Lophiotrema angustilabrum* (B. et Br.) Sacc. — Ad ramos *Ulicis*, Rouen (MALBRANCHE, n. 669). — Sporidia fusioidea, utrinque appendiculata, 4-guttata (immatura), constricto-1-septata, hyalina, 34 = 6.

2220. *Lophiostoma striatum* Sacc. — Peritheciis globulosis, hinc inde gregariis,  $\frac{1}{3}$  mill. d., cortice immersis, intus atro-cinereis, ostiolo erumpente, compresso, obtusiusculo; ascis tereti-clavatis breve stipitatis 150-160 = 15-20, copiose filiformi-paraphysatis, octosporis; sporidiis oblique monostichis v. distichis, fusoides, utrinque obtusiusculis, 3-septatis, medio constrictis, 38-40 = 11, 4-guttulatis, olivaceo-fulgineis, longitudinaliter tenuiter striatis. — In ramis corticatis *Rosæ caninæ* Saintes (BRUNAUD, n. 4). — Sporidiis non muriculatis sed striolatis ab affini *L. Desmazierii* dignoscitur.

2221. *Nectria cinnabarina* (Tode) Fr. var. *obscurata* Rehm. — In ramis *Ulm*i, Troyes (BRIARD, n. 2). — Asci 50-70 = 8-12; sporidia constricto-1-septata, 16-18 = 5-6.

2222. *Nectria Stilbospora* Tul. — In acervulis *Stilbosporæ* angustatæ ad *Carpinum* cum *Fusario socio*. — Asci cylindracci 90-100 = 10; sporidia 1-sticha, elliptico-oblonga, 16-20 = 7-8, tenuiter 1-septata, granulosa, hyalina.

2223. *Pezicula* (Phragmopezia) *livida* (B. et Br.) Rehm. — In cortice *Pini*, Malmedy (LIBERT, n. 166). — Asci tereti-clavati, breve stipitati, paraphysati, octospori, 130 = 20; sporidia oblonga, utrinque obtusiuscula,

30 = 10, 4-nucleata, tandem tenuiter 3-septata, ad septa non, nisi medium, constricta. Sporidiis septatis hæc nec non affinis *P. dissepta* Tul. a ceteris speciebus recedit.

2224. *Dermatea* (*Encœlia*) *furfuracea* Fr. (nec Fuck. nec Sacc.). — In cortice *Alni glutinosæ*, Rouen (LETENDRE, n. 1802). — Ascis clavulati 81-100 = 8-10, paraphysati, octospori; sporidia cylindræca curva, 2-guttulata (quasi *Allantosporarum*) 10-12 = 3-4, hyalina. — Species homonyma *Fuckelii* (Symb. 278) in *Corylo* et mea in *Pruno* (Fung. ven. IV, 29) a genuina differt ascomatibus multo minoribus, vix  $1\frac{1}{2}$  mill. d., ascis cylindræcis, sporidiis ellipsoideo-oblongis, rectis, 10-11 = 6-8, structura tamen ascomatis et indumenti simillima. Hæc postrema *Derm.* (*Encœlia*) *Fuckelii* dici meretur. Icon. in F. ital. 1312 pessime fucata, nam non ochracea, sed stramineo-furfuræca, præteraque ascomata nimis aperta.

2225. *Ascobolus immersus* Pers. — In fimo vaccino Saintes (BRUNAUD, n. 75).

2226. *Trichopeziza albo-testacea* (Desm.) Sacc. — In culmis graminum majorum, Malmedy (LIBERT, n. 399). — Sporidia acicularia 10-12 = 1. Est quasi *Trichopeziza patens* sed subsessilis.

2227 *Trichopeziza Bernardiana* Sacc. et Let. — Ascomatibus gregariis, sessilibus, cupularibus, totis pallide carneo-luteolis,  $\frac{1}{3}$ - $\frac{1}{2}$  mill. d., subceræcis, extus pilis exiguis asperulis lutescentibus ornatis: ascis teretiuseulis, brevissime stipitatis, filiformi-paraphysatis, 50-60 = 6, octosporis; sporidiis distichis fusoidæo-cylindræcis lenissime curvulis, utrinque obtusiusculis, 10-13 = 1,7-2, hyalinis. — In caule emortuo *Cirsii palustris* pr. Rouen (LETENDRE, n. 1717). — Generi *He-*

*lotio* affinis. — Claro BERNARD, floræ circuli Sequanæ inferioris scrutatori eximio, dicata species.

2228. *Lachnella albido-fusca* Sacc. Ascomatibus gregariis, sessilibus, scutellatis, coriaceo-duriusculis,  $\frac{1}{2}$ - $\frac{3}{4}$  mill. d., rufo-atris, breve villosis, setis filiformibus, septatis, fuliginosis, levibus,  $4 \mu$  cr.; disco concavo, albido, margine leniter involuto; ascis tereti-clavulatis, deorsum attenuato-stipitatis, 50-55 = 7-8, octosporis; sporidiis anguste fusoides, 7-9 = 1,5, distichis, rectis, hyalinis. — In sarmentis corticatis Rubi Idæi, Malmedy (LIBERT, n. 237). *Lach. barbata* et *L. flammæ* subaffinis.
2229. *Dasysephypha bicolor* (Bull.) Fuck. — In ramis corticatis quercinis, Malmedy (LIBERT, n. 398).
2230. *Peziza* (Crouania) *miniata* Fuck. *Ascobolus Cronani* Cooke. — Inter muscos Malmedy (LIBERT, n. 394).
2231. *Niptera Polygoni* Rehm. f. *Rumicis*. — In caule Rumicis Acetosæ emortuo, Rouen (LETENDRE, n. 1804). Asci tereti-clavati, paraphysati, 35-38 = 7; sporidia disticha, oblongo-fusoides, 6-8 =  $1\frac{1}{2}$ -2, 2-guttulata, hyalina, recta.
2232. *Niptera caspiticia* (Karst.) Sacc. — In ramis salicinis, Malmedy (LIBERT, n. 368).
2233. *Niptera palustris* (Rob.) Sacc. — In culmis gramineis, Malmedy (LIBERT, n. 92). — Asci teretiuseculi 30 = 4; sporidia bacillari-curvula, 4-5 = 1.
2234. *Helotium ceracellum* (Fr.) Sacc. — In cortice Rubi, Malmedy (LIBERT, n. 240).
2235. *Helotium Humuli* (Lasch.) Karst. — In sarmentis Humuli (?), Malmedy (LIBERT, n. 393). — Asci 100-110 = 8-10; sporidia fusoides 12-15 = 3.
2236. *Helotium phacidioides* Sacc. — Ascomatibus sparsis, plano-scutellatis, initio epidermide velatis (phacidioides), dein prorsus emergentibus,  $\frac{1}{3}$ - $\frac{1}{2}$  mill. d., mar-

gine breviter elevato, atro-fusco, levi, disco sordide cerineo, concaviusculo; ascis tereti-clavulatis, breve crasse stipitatis,  $60 \approx 10$ , paraphysatis, octosporis, sporidiis, oblique monostichis, bacillaribus, apice obtusiusculis,  $15 \approx 2$ , leniter curvis, hyalinis. — In foliis emortuis *Betulae albae*, saepius epiphylla, Malmedy (LIBERT, n. 953). — Hic *Trochilis*, hinc *Phacidii* affine, sed propius *Helotio*.

2237. *Calloria vinosa* (A. S.) Karst. — In ligno fagineo, Malmedy (LIBERT, n. 589).

2238. *Cryptodiscus Libertianus* Sacc. et Roum. — Ascematibus gregariis, disciformibus, convexulis,  $\frac{1}{2}$  mill. d., epidermide velatis dein, ea rimose v. varie fissa, erumpentibus, roseis, cornosulis; ascis tereti-clavatis breve crasse stipitatis,  $120-130 \approx 20-24$ , apice rotundatis, paraphysibus simplicibus, ramulosisque obvallatis, octosporis; sporidiis distichis, clavato-fusoideis,  $28-30 \approx 8$ , 5-(raro 3)-septatis, non constrictis, hyalinis. — In ramis corticatis salicinis (ut videtur), Malmedy (LIBERT, n. 844). — Affinis *Cryptodisco majori*, sed sporidia crassiora, recta, 5-septata, non constricta.

2239. *Hendersonia notha* Sacc. et Br. — Peritheciis gregariis, globoso-depressis, subsuperficialibus, verruculosi, astomis  $\frac{1}{10}-\frac{1}{8}$  mill. d., contextu parum distincto; stylosporibus oblongo-cylindraceutis,  $10-12 \approx 4$ , utrinque rotundatis, rectis, 3-septatis, constrictisque, olivaceo-fuliginis. — In pag. inf. foliorum *Juniperi communis*, Troyes (BRIARD, n. 16).

2240. *Ascochyta althæina* Sacc. et Bizz. — Maculis sordide brunneis, saepe flavo-marginatis, subcircularibus, peritheciis innatis, punctiformibus; spermatiis oblongis, utrinque rotundatis, 1-septatis, constrictulis, hyalinis,  $7-10 \approx 3,5-4$ . — In foliis *Althæae officinalis* languidis, Rouen (LETENDRE, n. 1727<sup>bis</sup>).



2241. *Ascochyta Paulowniæ* Sacc. et Brun. — Maculis epiphyllis variis, fusco-cinereis; peritheciis lenticularibus, pertusis,  $90 \mu$  d.; spermatis fusoidis,  $14-18 = 3$ , 1-septatis, vix constrictis, 4-guttulatis, dilute olivaceis. — In foliis *Paulowniæ*, Saintes, sociæ *Phyllosticta Paulowniæ* Sacc. (BRUNAUD, n. 41).
2242. *Ascochyta graminicola* Sacc. \**ciliolata* Sacc., Mich. II, 621. — In foliis *Holei*, Rouen (LETENDRE, n. 1697).
2243. *Septoria Scorodoniæ*. Pass. in litt. (ut var. *Sept. Teucrii*). — Maculis minutis subcircularibus, præcipue epiphyllis, denique folium perforantibus, rufo-ochraceis; peritheciis paucis punctiformi-lenticularibus,  $80 \mu$  d., perforatis; spermatis bacillaribus, utrinque obtusiusculis, continuis, hyalinis,  $28-36 = 4-1,3$ , eguttulatis. — In foliis languidis *Teucrii Scorodoniæ* pr. Rouen (LETENDRE, n. 1703). — Taillebourg Char. inf. (Brunaud).
2244. *Septoria Galeopsidis* West. — In foliis *Galeopsidis* Tetrahit pr. Rouen (LETENDRE, n. 1709). Spermata  $30-35 = 1$ .
2245. *Septoria Ligustri* Desm. in Kichx Flandr. I, 354. — In foliis *Ligustri* vulgaris languidi pr. Rouen (LETENDRE, n. 1704). Spermata  $15 = 1$ .
2246. *Septoria ficariæcola* Sacc. (An *Depezæa ficariæcola* Lasch., Bot. Zeit. 1844, p. 426). — Maculis arecendo ochraceo-pallidis, immarginatis sæpius epiphyllis; peritheciis punctiformibus depressis, atris, perforatis,  $50 \mu$  d.; spermatis bacillari-fusoidis, 1-septatis,  $18-20 = 1,5$ , subinde curvulis, hyalinis. — In foliis *Ficariæ ranunculoidis*, sociæ *Accidio Ficariæ* et *Accidiolo exanthematico* f. *Ficariæ*: conidiis ovoideis, hyalinis  $5-6 = 3$ .
2247. *Septoria lincolata* Sacc. et Sp. — In foliis *Caricinarum*, Rouen (LETENDRE, n. 1784).

2248. *Septoria Sisonis* Sacc. — Maculis variis expallentibus; peritheciis copiosis, punctiformibus, atris; spermatis bacillaribus, obtusiusculis, obsolete 3-septatis,  $30 \approx 1,5$ , hyalinis. — In foliis *Sisonis Amomi*, Saintes (BRUNAUD, n. 19). — Ab affini *Sept. Petroselinii* differt spermatis brevioribus, maculis diversis.
2249. *Septoria sarmenticia* Sacc. — Peritheciis gregariis, globosis, papillatis,  $\frac{1}{6}$  mill. d., subepidermicis; spermatis bacillari-fusoideis, utrinque acutis, continuis, hyalinis, 7-11  $\approx 1,5$ . — In caule *Tami communis*, Rouen (MALBRANCHE, n. 700).
2250. *Septoria Ephedræ* Sacc. — Peritheciis gregariis, globoso-depressis, pertusis, 80-100  $\mu$  d., epidermide initio velatis; spermatis bacillaribus, curvis, utrinque obtusiusculis, 26-30  $\approx 1,5$ , 6-10-guttulatis, hyalinis. — In ramulis *Ephedræ*, Rouen (LETENDRE, n. 1787).
2251. *Dothichiza Padi* Sacc. et Roum. — Peritheciis subsuperficialibus, gregariis, applanatis, dein pezizoideo-depressis, atris, subcoriaceis,  $\frac{1}{3}$ - $\frac{1}{2}$  mill. d.; spermatis oblongis, 6  $\approx 1$ , hyalinis; basidiis varie ramosis cylindraceis 4-6-plo longioribus suffultis. — In ramis corticatis *Pruni Padi*, Malmedy (LIBERT, n. 132). Verisimiliter status spermogonicus *Cenangii Padi* Fr.
2252. *Cytispora ericeti* Sacc. — Peritheciis hinc inde aggregatis, subcutaneo-erumpentibus, papillatis, atris,  $\frac{1}{4}$  mill. d.; spermatis cylindricis, curvis, 11-14  $\approx 2$ , hyalinis; basidiis bacillaribus brevioribus. — In trunco corticato *Ericæ*, Rouen (MALBRANCHE, n. 664).
2253. *Diplodia Juniperi* West. f. *foliicola*. — In foliis emortuis *Juniperi communis*, Troyes (BRIARD, n. 17). Stylosporæ didymæ, fusæ, 24-26  $\approx 10$ -11.
2254. *Diplodia Platani* Sacc. — Peritheciis gregariis, subcutaneo-erumpentibus, papillatis, atris,  $\frac{1}{2}$  mill. d.; stylosporæ didymis, utrinque rotundatis, constrictis,

- 22-28 = 12-14, fusco-olivaceis. — In ramis *Platani orientalis*, Troyes (BRIARD, n. 49) et in agro Veneto. *Dipl. paupercula* B. differt quia microspora.
2255. *Camarosporium polymorphum* (De Not.) Sacc. — In caulibus *Rutæ*, Saintes (BRUNAUD, n. 14). Stylosporæ ovato-globosæ, 2-3-septato-muriformes, subinde cruciatim septatæ, fuliginæ, 10-15 = 8-10.
2256. *Labrella Parmicæ* Desm. — In foliis *Achilleæ Parmicæ* vivis, Rouen (LETENDRE, n. 1767). — Specimina imperfecta, ergo dubium an statum ascophorum spectent.
2257. *Phyllosticta Paulowniæ* Sacc. — In foliis *Paulowniæ*, Saintes (BRUNAUD, n. 11).
2258. *Phyllosticta Wistariæ* Sacc. — Maculis irregularibus amphigenis, ochraceis; peritheciis gregariis lentiformibus, pertusis,  $\frac{1}{6}$  mill. d., tenui-membranaceis; spermatis oblongis, deorsum acutioribus, 2-guttatis, 8-10 = 3-3,5; basidiis acicularibus 15 = 1,5. — In foliis *Wistariæ sinensis*, Saintes (BRUNAUD, n. 22). — Ob basidia *Phomæ* accedit, cetera vero *Phyllostictæ*.
2259. *Phyllosticta Pharbitis* Sacc. — In foliis *Pharbitis* hispidæ, Rouen (LETENDRE, n. 1683).
2260. *Phyllosticta Caprifoli* (Op.) Sacc. — In foliis *Loniceræ*, Rouen (LETENDRE, n. 4799).
2261. *Phyllosticta æsculina* Sacc. — Maculis amphigenis are-scendo ochraceis, variis; peritheciis punctiformibus, vix  $\frac{1}{10}$  mill. d., atris; spermatis ellipsoideis, hyalinis, 9 = 3; basidiis obsolete. — In foliis adhuc vivis *Æsculi Hippocastani* prope Rouen (LETENDRE, n. 1708). — A *Ph. æsculicola* differt præcipue spermatis duplo majoribus
2262. *Phoma Ophites* Sacc. — Peritheciis subcutaneis globo-depressis, atro-olivaceis, subinde linea stomatica nigricante subcorticali cinctis, ostiolo obtuso erum-

- penne; spermatis fusoides, rectis,  $10 = 2$ , 2-guttatis hyalinis; basidiis acicularibus fasciculatis,  $15 = 1,5$ , hyalinis. — In ramulis emortuis *Hibisci syriaci*, Saintes (BRUNAUD, n. 5). — Spermogonium *Diaporthes Ophites* Sacc.
2263. *Coniothyrium fœdans* Sacc. — In ramis corticatis *Juglandis regiæ* pr. Troyes (BRIARD, n. 22).
2264. *Steganosporium Aesculi* Sacc., Syll. II, p. 3. — In ramulis *Aesculi Hippocastani*, Troyes (BRIARD, n. 12). Status conidicus *Massariæ Aesculi*.
2265. *Sphaecelia nigricans* (Tul.) Sacc. \**S. tenella* Sacc. — Acervulis multo minoribus,  $\frac{1}{4}$ - $\frac{1}{3}$  mill. d., epidermide diu velatis, atris; conidiis sphaericis,  $1-5 = 1,7$ , hyalinis, catenulatis; basidiis e basi cellulosa olivaceo-fuliginea oriundis, acicularibus,  $8-14 = 1,5$ , hyalinis, simplicibus v. bi-trifidis. — In calamo *Junci glauci*, Rouen (MALBRANCHE, n. 654).
2266. *Cylindrosporium Colchici* Sacc. An *Septoria Colchici* Pass.? — Acervulis parenchymate immersis, punctiformibus, sæpius concentricè dispositis, 80-100  $\mu$  d., perithecio destitutis; conidiis bacillari-fusoides hyalinis,  $26-30 = 2-2,5$ , curvulis, subinde spurie 1-3-septatis (interdum multo brevioribus,  $10-12 = 3$  rectin-sculis); basidiis bacillaribus varie ramosis, hyalinis. — In foliorum partibus arescendo ochraceis *Colchici officinalis*, Rouen (LETENDRE, n. 1777).
2267. *Closterosporium fungorum* Sacc. — Sporodochiis effusis planis, aterrimis, 2-3 mill. latis, compactis, superficialibus; conidiis dense fasciculatis fusoides; apice rotundatis,  $25-28 = 8$ , recte, v. inæquilateralibus, deorsum in basidium cylindræcum iis brevius attenuatis, 3-(raro 4)-septatis, ad septa leniter constrictis, loculi 2 intermediis fuliginis, guttulatis, extimis basidiis que dilute olivaceis. In Corticio levi v. affi-

ni parasiticum, Alençon (GILLET). — A *Sporidesmio fungorum* (Fr.) Berk. verisimiliter non differt; natura vero compacta tam a *Closterosporio* quam a *Sporodesmio* recedit et potius ad *Exosporium* vergit. A *Coryneis* vegetatione prorsus superficiali differt.

2268. *Macrosporium trichellum* Sacc. et Arch. — In foliis *Hederæ*, Rouen (LETENDRE, n. 1688).

2269. *Cladosporium perpusillum* Sacc. — Cæspitulis creberrimis, punctiformibus, atris, superficialibus; hyphis e basi stromatica hemisphærica sphaeriæformi oriundis, filiformibus, 40-50  $\approx$  5, sursum denticulato-sporigeris, continuis, fuliginosis; conidiis oblongis v. brevifusoideis, continuis mox 1-(raro 2-3)-septatis, vix constrictis, 9-11  $\approx$  4, olivaceis. — In culmis *Amomophilæ*, Vendée (MALBRANCHE, n. 78). Habitus fere minimi *Perisporii*.

2270. *Botrytis bryophila* (Pers.?) Sacc. *Sporotrichum bryophilum* Pers.? — Effusa, flavido-alba, compactiusecula; hyphis fasciculatis, assurgentibus, septatis, fulvellis, 20  $\mu$  cr., sursum varie ramosis, ramulis asperulis hinc inde glomerulos basidiorum oblongorum, inæqualium gerentibus; conidiis sphaericis, levibus, 3,5-4  $\mu$  diam., hyalinis ad apicem basidiorum nascentibus. — In ramulis foliosis *Hypnorum*, Rouen (LETENDRE, n. 1778). Convenit cum diagnosi Persooniana, quæ tamen ita manca ut iudicium tutum inferri nequeat.

2271. *Ramularia Lampsanæ* (Desm.) Sacc. f. *Taraxaci*. — In foliis *Taraxaci officinalis* pr. Rouen (LETENDRE, num. 1694). — Conidia cylindrico-fusoidea, 15-25  $\approx$  3.

2272. *Cercospora montana* (Speg.) Sacc. — In pagina inf. foliorum languidorum *Epilobii montani* pr. Rouen (LETENDRE, n. 1695).

2273. *Ovularia sphaeroidea* Sacc. — In foliis *Loti* cor-

- niculati*, hypophylla, pr. Rouen (LRTENDRE, n. 1714).  
— Conidia globulosa 8-10  $\mu$  d.
2274. *Sphaeridium vitellinum* Fres. — In foliis dejectis putrescentibus, Elbeuf (MALBRANCHE, n. 783). — Basidia stipitem constituentia fasciculata bacillaria, simplicia vel sursum breve ramulosa, 50-60 = 2; conidia catenulata, cylindrica, 6-8 = 1-1,3. Eximia plantula flavo-vitellina, globosa, stipitulata.
2275. *Fusarium* (Selenosporium) *socium* Sacc. — Sporodochiis superficialibus, pulvinatis, cinnabarinis, 1-2 mill. d., compactis, levibus; conidiis fusiformibus, utrinque acutissimis, curvis, tenuiter 6-8-septatis, guttulatis, 60 = 6-7; basidiis fasciculatis filiformibus, 50-90 = 3, ramoso-furcatis, hyalinis. — In cortice Carpini cum *Stilbospora* et *Nectria Stilbospora*, cujus facile status conidicus, Troyes (BRIARD).
2276. *Fusarium violaceum* Fuck. — In tubcribus udis Solani tuberosi, pr. Rouen (LETENDRE, n. 1722). — Conidia falcata, obtusula, 30 = 5, 3-septata.
2277. *Periola tomentosa* Fr. — In tubcribus Solani tuberosi, socio *Fusario violaceo* quod in *Periola* parasitari videtur. — Conidia obovata minuta, 5 = 3, hyalina, basidiis 3-4-plo longioribus dense fasciculatis bacillaribus suffulta.

II.

Fungi belgici lecti a cl. Dominis ELISA BOMMER et MARIA  
ROUSSEAU (1).

1. *Polyporus Braunii* Rabenh. — In truncis exoticis in Horto botanico Bruxellensi.
2. *Chaetomium Fieberi* Corda. \**C. Saccardianum* Bomm. et Rouss. in litt. — In charta putrescente. — Perithecia minuta,  $\frac{1}{8}$  mill. d., mox collabescendo cupulata; setulae filiformes fuliginæ, 150-200 = 3, modice flexuosæ, sursum denticulato-conidiophoræ; conidia sphaerica hyalina dein fuscidula, distincte muriculata, 8-9  $\mu$  d. Sporidia limoniiformia, 9 = 7, fuliginea. Conidia modo descripta ab auctoribus nullis describuntur: an ergo species distinguenda?
3. *Trichosphaeria Punctillum* Rehm. \**T. pachyspora* S. R. B. — A typo recedit sporidiis paulo brevioribus et crassioribus. Perithecia  $\frac{1}{4}$  mill. d.; setulae septatae atrofuscae 150-200 = 8; asci tereti-fusoidei, 90-80 = 10; sporidia ellipsoidea, utrinque acutiuscula 10-12 = 7, granulosa, hyalina, v. dilutissime flavida. — In lignis putridis.
4. *Zignoëlla* (Zignoïna) *grænendalensis* S. R. B. — Peritheciis gregariis, subglobosis, exiguis,  $\frac{1}{6}$  mill., breve papillatis, carbonaceis, fragilibus, atris, basi hyphis fuliginæis filiformibus tortuosis cinctis, ceterum subglabris; ascis cylindræis, modice stipitatis; paraphysatis, octosporis, 110-120 = 7, apice lumine sub-bifo-

(1) Species perpaucas e Verviers cl. Doct. E. LAMBOTTE communicavit. Ceteras species prope Bruxelles legerunt cl. Dominæ BOMMER et ROUSSEAU.

- veolato; sporidiis, monostichis, elliptico-oblongis, subinæquilateralibus, 16-18 = 6-7, 1-2-guttatis, granulosisque, hyalinis. — In ligno fagineo putri, Groenendael pr. Bruxelles. — Fructificatione ad *Ceratomyella dubiam* Sacc. admodum accedit, sed rostellum peritheciæ deest.
5. *Melanosamma Saccardiana* Bomm. et Rouss. in litt. — Peritheciis gregariis, minutis,  $\frac{1}{6}$  mill. d., subglobosis, obtuse papillatis, atris, glabrescentibus, sed hyphis dematiaceis (propriis?) rigidulis, fuliginosis, plerumque cinctis; ascis subcylindricis, aparaphysatis v. spurie paraphysatis, 60-70 = 5-7, apice rotundatis, deorsum attenuatis breveque stipitatis, octosporis; sporidiis oblique monostichis v. distichis, breve oblongis, utrinque obtusiusculis, diu continuis, tandem distincte constricto-1-septatis, 7-8 = 4, 2-4-guttulatis, hyalinis. — In ligno fagineo putrescente Groenendael, sociis *Helminthosporio apiculato* et *Lasiospharia hispida*.
6. *Lophiotrema rubidum* S. R. B. — Peritheciis ligno (cortice secedente) superficie leniter eruentato semiimmersis, v. basi infossis, subglobosis, compressiusculis carbonaceis, nigris,  $\frac{1}{3}$  mill. cr., ostiolo minuto compresso, subinde subpapillato; ascis teretibus, filiformi-paraphysatis, breve stipitatis, 130 = 10, octosporis; sporidiis oblique 1-stichis v. distichis, fusiformibus, rectis curvulisve, utrinque acutis, 25-30 = 6, 4-nucleatis, triseptatis, leniterque constrictis, hyalinis, initio strato exiguo mucoso obductis. — In sarmentis emortuis Rubi. — Affine *Loph. præmorso*, a quo differt sporidiis 4-(nec 6-) nucleatis, matrice eruentata etc.
7. *Physalospora Callunæ* (De Not.) Sacc. — In ramis corticatis Callunæ vulgaris, Verviers (LAMBOTTE).
8. *Phoma nitidula* S. R. B. — Peritheciis gregariis, glo-



boso-hemisphæricis, atris, nitidissimis, subsuperficialibus,  $\frac{1}{6}$  mill. d., vix papillatis; spermatiis bacillaribus, rectis, utrinque obtusiusculis, 16-20 = 1,8-2, hyalinis, basidiis perexiguis. — In glandibus quercinis. — Affinis *Phomæ cylindrosporæ*, sed perithecia diversa.

9. *Phoma* (Aposphæria) *stigmatospora* Sacc. et Lamb. — Peritheciis subsuperficialibus line inde dense gregariis, globosis obtuse breve papillatis, atris,  $\frac{1}{3}$  mill. diam.; spermatiis copiosissimis globosis, perexiguis 4-4,5  $\mu$  diam., subhyalinis; basidiis acicularibus, 7-9 = 1,3, fasciculatis, hyalinis. — In ramis corticatis emortuis Callunæ vulgaris, Verviers (LAMBOTTE).
10. *Ceuthospora glandicola* S. R. B. — Stromatibus sparsis, e basi subplana depresso conicis, subsuperficialibus, atris, nitidulis,  $\frac{1}{3}$  mill. lat. intus 2-4-loculatis; contextu minute celluloso rufo-fusco; spermatiis fusiformibus, curvulis, utrinque acutis, hyalinis, 15-17 = 4,5; basidiis obsolete. — In glandibus emortuis quercinis.
11. *Hendersonia* (Stagonospora) *Lambottiana* Sacc. — Peritheciis erumpenti-subsuperficialibus, globoso-depressis, vertice tandem (collabascendo?) excavatis, subastomis, atro-olivaceis  $\frac{1}{4}$ - $\frac{1}{3}$  mill. d., contextu subprosenchymatico olivaceo-fusco; stylosporibus cylindraceis, curvulis, utrinque rotundatis, 14-18 = 3-4, 3-septatis, non constrictis, hyalinis; basidiis dense fasciculatis, cylindricis, varie fureatis v. ramosis, 25-30 = 2, hyalinis. — In trunco ramisque corticatis emortuis Callunæ vulgaris, Verviers (LAMBOTTE). — In genere anceps, quia perithecia subastoma et fere pezizoidea.
12. *Camarosporium pithyum* S. R. B. — Peritheciis subsparsis, globoso-lenticularibus, epidermide initio vela-

tis,  $\frac{1}{2}$  mill. d., poro pertusis; stylosporibus oblongo-ellipsoideis, 3-septatis, paraeque muriformibus, ad septa non constrictis, 18-20 = 8-10, fuliginosis, basidiis brevissimis hyalinis suffultis. — In foliis *Araucariæ imbricatæ*, sæpius epiphylla. — A *C. suseganaensi* differt peritheciis paulo majoribus et defectu maculae matriciali.

13. *Camarosporium salicinum* S. R. B. — Peritheciis subcutaneo-erumpentibus, globoso-papillatis atris, laxe gregariis,  $\frac{1}{2}$  mill. d.; stylosporibus ellipsoideis, 3-septato-muriformibus, ad septa constrictis, utrinque rotundatis, 18-20 = 8-10, fuliginosis; basidiis . . . non visis. — In ramis corticatis salicinis, socia *Diplodia salicella* Sacc.

14. *Sphaeronema* ?? *Acicula* S. R. B. — Peritheciis spuriiis in ligno superficie pruinoso-dealbato laxè gregariis superficialibus, minutis, acicularibus, apice truncatis nigris, 150 = 50, contextu prosenchymatico, subcarbonaceo, fuliginoso, basidiis prælongis, filiformibus, fasciculatis, apice in vesiculam guttulatam 18-20 = 8-10, desinentibus; spermatiis oblongis suballantoideis, deorsum acutioribus, 12-15 = 4-5, guttulatis hyalinis. — In ligno putrescente *Carpini Betuli*. — Forma paradoxa (lichenosa?) a genere *Sphaeronemate*, valde recedens.

**Agyriella** Sacc. nov. gen. *Agyrium* Lib. ex parte. Sporodochium erumpens, pulvinatum, gelatinoso-induratum, nigrum; basidia prælonga fasciculata, sursum ramosa, ramis pluries verticillato-ramulosis, hinc capitato-conidiophoris. Conidia acrogena oblongo-cylindracea subhyalina.

15. *Agyriella nitida* (Lib.) Sacc. *Agyrium nitidum* Lib. Conf. Sacc., Syll. fung. II, p. 317. — Basidia 150-200  $\mu$  longa, quandoque in fasciculos coalescentia; conidia

subcylindracea, curvula, 3-4 =  $\frac{1}{2}$ , cum basidiis e hyalino dilutissime olivacea. — In sarmentis Rubi.

46. *Sporoschisma insigne* S. R. B. — Effusum, setuloso-velutinum, atrum (ex conidiis) albido-variegatum; hyphis erectis cylindraceis, supra basim v. et prope apicem inflatulis, obscure septatis, 200-300 = 10-12 (ad inflationes), fuligineis basi fibrillosis; conidiis ex interiore hypha continuo exsistentibus, subindeque catenulatis, cylindricis, utrinque truncatis, 40-50 = 6-6 $\frac{1}{2}$ , initio granulosis, dein 10-14-guttatis, septatisque non constrictis, hyalinis. — In ligno putri. Pulcherrima species, a ceteris optime distinguenda.
47. *Virgaria coffeospora* S. R. B. — Effusa setuloso-velutina, atra; hyphis assurgentibus, rigidulis, sursum acutis, remote septatis, fuligineis, subsimplicibus; conidiis (pleuro-acrogenis?) ovoideis, plano-convexis (coffeiformibus), 40 = 5, biguttulatis, fuligineis. — In ligno putri fagineo.
48. *Helminthosporium coryneoideum* De Not. \* II. *proliferum* S. R. B. — A typo differt præcipue hyphis minus densis et præsentia articuli sphaerici, levis, 1-guttati, ochraceo-fusci, 20  $\mu$  d., et mox decidui, ad apicem conidiorum. — Hyphæ 80-90 = 7, pluriseptata; conidia ellipsoidea 32-35 = 48, quinquelocularia, non constricta, fuliginea, loculis extremis pallidioribus. — Ad caules *Urticæ dioicæ*. Proliferatio vere curiosa, et hucusque nobis in nulla alia specie visa.
49. *Closterosporium gibbum* S. R. B. — Effusum, tenue, velutinum, atrum; hyphis mycelicis repentibus septulatis, pallide fuligineis, hinc inde ramulos conidiophoros conidio triplo breviores sub-1-septatos exerentibus; conidiis oblongis arcuato-gibbis, hinc apice laterali, sæpius obtuso, 2-septatis, non constrictis, 15 = 7-8, fuligineis dein prorsus opacis. — In foliis Arau-

caria imbricatae putrescentibus.— Conidii apex subinde (e germinatione?) mucoso quodam auctus.

20. *Closterosporium Eruca* S. R. B. — Effusum, tenue, subpulveraceum, atrum; mycelio fere obsoleto; conidiis tereti-fusoideis, saepius curvatis, apice rotundatis, 65-70 = 11-14, basi brevissima stipitiforimi suffultis, 13-16-septatis, ad septa non constrictis, atrofuliginis. — In ligno putrescente Ulmi.

### III.

Fungi helvetici et tyrolenses lecti a cl. prof. P. MORTHIER,  
G. WINTER et ab. J. BRESADOLA.

1. *Sphaerella nerviseda* Speg. \* *microspora*: sporidiis clavulatis quam in typo brevioribus, 10-12 = 4,5 in ascis clavulatis 50 = 10 oblique monostichis.— In foliis emortuis *Orobi verni*, sociis spermogoniis: *Septoria orobicola* Sacc. et *Phyllosticta orobella* Sacc., prope Neuchatel, (MORTHIER, n. 5).
2. *Metasphaeria massarina* Sacc. — Peritheciis sparsis, subcutaneis, vix erumpentibus, globoso-depressis, obsolete papillulatis,  $\frac{3}{4}$  mill. d., subcoriaceis; ascis cylindraccis, breve stipitatis, apice rotundato-obtusis, 125-130 = 10-11, paraphysibus tenuibus, subinde ramulosis obvallatis, octosporis; sporidiis monostichis oblongis rectis, utrinque obtuse rotundatis, 23-28 = 8-10, 5-6-septatis, non constrictis, nisi leniter ad medium, hyalinis. — Ad ramulos corticatos *Ribis alpini* pr. Neuchatel (MORTHIER, n. 10). — Pulchra species, ad Massarinam accedens, sed sporidiorum mucus nullus.
3. *Leptosphaeria Galiorum* Sacc. v. *Gentianae*.— Ad caules *Gentianae luteae* prope Neuchatel (MORTHIER, n. 18).

— Asci clavati stipitati, 75-80 = 18; sporidia 3-septata, rufo-fusca, 20-22 = 7-9.

4. *Leptosphaeria ophioboloides* Sacc. — Peritheciis gregariis epidermide velatis, globosis,  $\frac{1}{4}$ - $\frac{1}{3}$  mill. d., atris, ostiolo papillato erumpente; contextu parenchymatico densiusculo; ascis clavatis, breve stipitatis, apice obtusiusculis, 120-130 = 14, parce paraphysatis, octosporis; sporidiis subtristichis bacillaribus, utrinque obtuse rotundatis, 8-10-septatis, loculo 2.<sup>o</sup> vel 3.<sup>o</sup> paulo crassiore, 50-55 = 4-4,5, olivaceo-melleis, loculis sæpius minute biguttulatis. — Ad caules *Tragopogonis*, ut videtur, in sylvis prope Neuchatel (MORTHER, n. 14). — Sporidia subinde bina apicibus connexa, interdum in loculos secedentia, hinc ophioboloidea.
5. *Leptosphaeria Morthieriana* Sacc. — Peritheciis laxè gregariis, parenchymate immersis globulosis, duriusculis, atris,  $\frac{1}{6}$  mill. d., ostiolo conoideo acuto, emergente; ascis teretibus, crassis, brevissime abrupte stipitatis, 140-150 = 35-37, paraphysatis, apice subrotundatis, octosporis; sporidiis distichis oblongo-fusoidis rectis, utrinque rotundatis 40-45 = 13-14, 5-septatis, vix constrictis, lutescentibus. — In foliis *Succisæ* putrescentibus in palude torfaceo *les Ponts* prope Neuchatel (MORTHER, n. 6). — Præclaro botanico, de Flora helvetica meritissimo, P. MORTHER dicata species.
6. *Leptosphaeria vagabunda* Sacc. — In sarmentis corticatis *Rubi Idæi* prope Neuchatel (MORTHER, n. 4).
7. *Pleospora Cytisi* Fuck f. *Spartii*. — In ramis *Spartii juncei*, Neuchatel (MORTHER, n. 1).
8. *Pyrenopeziza Corcellensis* Sacc. — Ascomatibus laxè gregariis epidermide diu velatis, dein erumpentibus, plano-scutellatis,  $\frac{1}{4}$  mill. d., totis nigricantibus, margine parum elevato, subinæquali; excipuli contextu

- parenchymatico fusco, ad marginem parenchymatico subhyalino; ascis fusoides, brevissime stipitatis, apice obtuse attenuatis, octosporis; paraphysibus bacillaribus apice anguste clavulatis; sporidiis subtristichis, fusiformibus, rectis, curvulisve, acutiusculis,  $30-32 = 3,5-4$ , granulosis hyalinis. — In foliis calamisque Luzulae albidae in sylvis Corcelles prope Neuchatel (MORTHER, n. 15). — Affinis *Trochilae diminuenti* Karst., sed sporidia longiora et paraphyses vix apice clavatae.
9. *Chondrioderma spumarioides* (Fr.) Rost. — Ad virgulta prope lacum Neuchatel (MORTHER, n. 27).
10. *Septoria Visci* Bresad. in litt. — Maculis subcircularibus amphigenis lutescentibus, nonnihil elevatis, margine concolori; peritheciis in centro maculae hypophyllae copiosis, densis, globoso-lenticularibus, late pertusis, atris,  $\frac{1}{8}-\frac{1}{6}$  mill. d.; spermatis anguste bacillari-fusoides, leniter curvis,  $20-34 = 1,5$ , spurie obsolete 1-3-guttato-septulatis, hyalinis, utrinque obtusiusculis. — In foliis adhuc vivis Visci albi in sylvis Tridentinis (BRESADOLA).
11. *Septoria pleosporoides* Sacc. — In caulibus emortuis Ranunculi aconitifolii in Jura prope Neuchatel (MORTHER, n. 16).
12. *Septoria Xylostei* Sacc. et Wint. — Maculis subcircularibus, albicantibus, atro-marginatis; peritheciis paucis, amphigenis lenticularibus, pertusis,  $120-150 \mu$  d.; spermatis bacillaribus, utrinque obtusiusculis, leniter curvis,  $40-60 = 1,5$ , 8-10-guttulatis, hyalinis. — In foliis Loniceræ Xylostei vivis v. languidis, Zürich (WINTER).
13. *Septoria Trollii* Sacc. et Wint. — Maculis variis ochraceo-expallentibus, saepius epiphyllis, vix marginatis; peritheciis innatis, perexiguis,  $40-50 \mu$  d., fuscellis;

spermatiis filiformibus, leniter flexuosis, 40-50 = 4-1,5, tenuiter 3-septatis hyalinis. — In foliis *Trolli europæi* languidis, Rigi Helvetiae (WINTER).

14. *Septoria orobicola* Sacc. — In foliis *Orobi verni*, prope Neuchatel, socia *Sphaerella nerviseda* et *Phyllosticta orobella* (MORTIER, n. 5).

15. *Phyllosticta orobella* Sacc. — Maculis expallentibus, variis, non marginatis; peritheciis gregariis, punctiformibus, initio tectis, 80-100  $\mu$  d.; spermatiis oblongis, inæquilateris, utrinque rotundatis, biguttulatis, hyalinis, 7-7,5 = 3. — In foliis *Orobi verni* cum præcedente, Neuchatel (MORTIER, n. 5). A *Ph. orobina* Sacc. prorsus diversa.

16. *Sirococcus cylindroides* Sacc. — Peritheciis gregariis, velatis, dein epidermide secessa, superficialibus, globoso-conicis, dein collabescentibus, papilulatis,  $\frac{1}{3}$ - $\frac{1}{2}$  mill. d., atris, duriusculis; spermatiis in catenulas simplices v. parce ramosas, 50-60  $\mu$  longas digestis, cylindricis, utrinque subtruncatis, 6-7 = 1,5, subhyalinis, ex basidiis sporomorphis fasciculatis oriundis. — In caule emortuo *Adenostylis albifrontis* in Jura prope Neuchatel, socia *Leptosphaeria Nitschkei* Rehm (MORTIER, n. 17).

17. *Dinemasporium microsporium* Sacc. — Peritheciis sparsis, subsuperficialibus, subcupulatis,  $\frac{1}{3}$  mill. d., nigris, setulis rigidis, cuspidatis, 250-280  $\mu$  longis, subcontinuis, atris obsessis; spermatiis cylindræis, curvatis, 7-9 = 2-3, utrinque oblique 1-ciliatis, ciliis 10-12  $\mu$  longis, hyalinis; basidiis fasciculatis filiformibus, 40 = 1-1,5. — In foliis emortuis *Phragmites* ad lacum Neuchatel (MORTIER, n. 21).

18. *Cercospora septorioides* Sacc. — Maculis griseo-fuscis epiphyllis nervis limitatis; cæspitulis late effusis, albidis, maculiformibus; basidiis (hyphis) fasciculatis, pa-

- liformibus, 20-30 = 5, continuis, subhyalinis; conidiis cylindraceutis, curvatis, spurie 3-5-septatis v. guttularis (septorioideis), utrinque obtusiusculis, 60-70 = 5-6, hyalinis. — In foliis *Adenostylis albifrontis*, socia *Sphaerella* confertissima, immatura, in monte Lautaret Delphinati (MORTIMER, n. 12).
19. *Cercospora rathica* Sacc. et Wint. — Maculis subcircularibus, amphigenis, expallentibus, indistincte fusco-marginatis; caespitulis minutis albis; basidiis (hyphis) filiformibus, nodulosis, simplicibus, v. furcatis, 30 = 3-3,5, continuis, hyalinis; conidiis, bacillari-fasoidis, lenissime curvis, 40-45 = 4, 3-septatis, non constrictis, utrinque obtusiusculis, hyalinis. — In foliis languidis *Imperatoriae*, *Cellerine Rhaetiae* (WINTER).

#### IV.

Fungillus italicus Cactaceis noxius.

*Phoma torrens* Sacc. — Peritheciis dense gregariis, plagas in plantis initio vivis magis magisque diffusas, arescendo griseo-ochraceas afficientibus, punctiformibus, globoso-hemisphaericis, 100-150  $\mu$  d., initio epidermide velatis, dein erumpentibus, vertice obtusiusculo pertusis; contextu parenchymatico fuligineo solidiusculo; spermatibus in basi sporigera subsessilibus, obovatis, 8-10 = 7, nunc minute pluriguttulatis, nunc crasse 1-2-guttatis, hyalinis. — In *Cereis*, *Echinocactis*, *Mammillariis* cultis, quibus cutem mox uret et tandem mortem affert, in horto botanico romano, ubi cum amico prof. Pirotta legi autumnis 1883, nec non in hortis patavinis. — Cum *Phoma Cacti* Berk. non comparanda. Spermatibus saepe guttulis minutis farta ascos polysporos fere imitantur.



Fungi lecti in insula oceanica Thaiti a cl. centurione GAST. BRUNAUD, in America boreali a cl. J. B. ELLIS, C. H. DEMETRIO et W. H. KELLERMANN, et in Australia ex herb. Bosc.

1. *Exidia auriformis* Fr. Ad truncos in insula Thaiti (G. BRUNAUD, n. 2). — Ad *Exidiam sambucinum* nostratam valde accedit.
2. *Parodiella Banksiae* Sacc. et Bizz. — Peritheciis hypophyllis dense gregariis, superficialibus, globulosis, nigris, punctiformibus, 100-110  $\mu$  diam., subastomis, glabris, basi hyphulis, paucis cinctis: ascis tereti-clavulatis, subsessilibus, apice truncatis, octosporis 50-55 = 10; paraphysibus bacillari-clavulatis; sporidiis distichis, fusoido-oblongis, constricto-1-septatis, 14-15 = 4-5, olivaceo-fuscis. — In p. inf. foliorum subviventium *Banksiae marginatae* in New-South-Wales Australiae (herb. Bosc in horto palatino). — Mycelium fere nullum ergo non *Dimerosporium*.
3. *Daldinia concentrica* (Bolt.) Ces. De Not. var. *Eschscholzii* Ehrenb. — Ad caudicem *Cocos*, Thaiti (G. BRUNAUD, n. 3).
4. *Sphaerella Tahitensis* Sacc. — Peritheciis hypophyllis velatis, hinc inde dense gregariis, punctiformibus, lenticularibus perfusis, 80  $\mu$  d.; ascis tereti-fusoidis, subsessilibus, apice rotundatis, 48 = 7-8, octosporis; sporidiis distichis fusoido-clavulatis, 1-septatis, leniter constrictis, 4-guttulatis, 14 = 3, hyalinis. — In foliis emortuis *Mangiferae indicæ* (socia *Pestalozzia funerea* f. *Mangiferae*: conidiis quam in typo paulo minoribus, 22 = 6) in insula Thaiti (G. BRUNAUD, n. 3).

5. *Diplodia Vincæ* Sacc. et Wint.-Peritheciis gregariis, v. subsparsis, tectis, globosis, exiguis, atris, 260-300  $\mu$  d., ostiolo papillato erumpente; stylosporibus ovatis, ovato-oblongis, v. subpyriformibus, sæpe irregularibus, diu continuis fuliginis 17-28 = 10-14. — In foliis caulibusque *Vincæ* minoris, Amanda, Ohio, Amer. bor. (W. H. KELLERMANN). — Si stylosporæ jugiter continuæ manent ad genus *Sphæropsis* Sacc. referenda species.
6. *Diplodia cococarpa* Sacc. — Peritheciis dense gregariis, subnecaneo-erumpentibus, globosis, papillatis atris, intus nitidulis,  $\frac{1}{3}$  mill. d.; stylosporibus stipitatis ellipsoideo-oblongis, 22 = 12, 1-septatis, vix constrictis fuliginis, subinde longitudinaliter striatulis, filamentis (paraphysibus?) filiformibus, hyalinis, duplo longioribus intermixtis. — Ad parietem inter. pericarpium *Cocos nuciferæ* putridi, Tahiti (G. BRUNAUD, n. 16).
7. *Zygosporium oscheoides* Mont. — In foliis emortuis *Palmarum* e. g. *Cocos* in insula Tahiti (G. BRUNAUD). Fungillus vere singularis! Hyphæ fertiles assurgentes, 70 = 3, septatæ, fuliginæ, apice inflatula pallidiores, prope basim emittentes e latere sporophorum semilunare, 18 = 7, fuliginem stipitellatum; conidiis ex apice simplici v. bifido sporophori oriundis, sæpius binis, globosis, 5  $\mu$  d., hyalinis.
- Actinomma** Sacc. nov. gen. — (Etyim. *actin* radius, *omma* aspectus). Sporodochia superficialia, applanata atra, radiato-lobata, stelliformia, hypothallo setuloso fuligineo insidentia. Conidia ex hypothallo oriunda in catenulas ramosas digesta, globulosa hyalina v. fuscilla.
8. *Actinomma Gastonis* Sacc. — Sporodochiis gregariis, superficialibus, atris, applanatis, stelliformi-divisis,  $\frac{1}{2}$ - $\frac{3}{4}$  mill. d., levibus, siccis contractis, radiis 3-5, basi

hyphis filiformi-tortuosis, ramulosis, septatis, fuliginis cinctis; hypothallo ex hyphis similibus laxo contexto; conidiis ex hypothallo oriundis, globosis, 5-5,5, in catenulas ramulosas digestis, hyalinis, extimis (superficiem sporodochii formantibus) dilute fuscellis. — In foliis emortuis *Musa rum* (*Bananier*) in insula Tahiti (G. BRUNAUD, n. 2).

9. *Capnodium Footii* Berk. et Desm. — In foliis subcoriaceis in insula Tahiti (G. BRUNAUD, n. 1).
10. *Strumella coryneoidea* Sacc. et Wint. — Sporodochiis gregariis superficialibus, pulvinatis, atro-olivaceis,  $\frac{1}{2}$ - $\frac{3}{4}$  mill. d., compactis; hyphis e basi prolifera parenchymatica fusca oriundis, filiformibus, 60-100 = 7-8, simplicibus, ramosisque, septatis, fuliginis; conidiis obovatis v. subpyriformibus, 1-2-guttatis, subinde infra medium 1-septatis, 10-12 = 6-7, deorsum acutatis, fuliginis. — In cortice *Quercus albæ*, Perryville Missouri Amer. bor. (C. H. DEMETRIO).

**Fusariella** Sacc. n. gen. — Hyphæ fertiles varie ramosæ e mycelio repente oriundæ, subhyalinæ; conidia acrogena fusiformia recta v. curva 2-pluriseptata, olivacea v. fusca. Est *Fusarium* phæosporum.

11. *Fusariella atrovirens* Sacc. *Fusisporium atrovirens* F. ital. fig. 45, Myc. ven. 1038, vix vero *Fusisporium atrovirens* Berk. — In charta bibula putri, Newfield, New Jersey, Amer. bor. (J. B. ELLIS, n. 3758). Conidia fusiformia, curvula, 3-septata, ad septa leniter constricta, 25-30 = 7-8, olivaceo-fusca utrinque acutiuscula. Sporophora sæpius furcata, subhyalina, filiformia.

(Estr. dagli Atti del R. Istituto Veneto di scienze, lettere  
ed arti, Tomo II, Serie VI.)

Orto Botanico Padova

M. Uvaif. Prof. C. A. Winter

in signis ali' alta terra

l'autore A. N. Berlese

unita





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# MISCELLANEA MYCOLOGICA

AUCTORIBUS

P. A. SACCARDO ET A. N. BERLESE



Series II

(cum tabulis IV)



## I. — FUNGI AUSTRALIENSES

Lecti in primis in Queenslandia australi a claro botanico  
rev. BARTH. SCORTECHINI, autumno 1883.

### Hymenomycetæ.

1. *Polyporus pectinatus* Kl., Quél. Champ. Jur. t. 17, f. 5. — In truncis arborum, Samford (65).
2. *Polyporus conchatus* Fr. — Ad truncos, Teviot (112).  
Forma minor, compacta.
3. *Polyporus zonatus* Fr. — Ad truncos, Samford (66).
4. *Polyporus hirsutus* (Wulf.) Fr. — Ad truncos, Logan (31).
5. *Polyporus obliquus* Fr. — Ad trabes, Logan (141). Forma senio atrata.
6. *Cyphella villosa* (Pers.) Karst. — In caulibus Ricini communis putridis, socia *Fermicularia*, Logan (39).
7. *Hymenochæte tenuissima* Berk. — Ad cortices, Tambourine (85). Affinis quoque videtur *Hymenochætæ*

*Sallei*, *H. rheicolori*, *H. tabacinæ*. *Setulæ hymenii cuspidatæ*, 60-70 = 8-10, cinnamomeæ.

8. *Corticium cæruleum* Fr. — Ad truncos, Logan (28).
9. *Auricularia mesenterica* Bull. — Ad cortices, Logan (37).

### Ustilagineæ et Uredineæ.

10. *Ustilago segetum* (Bull.) Ditm. — In spica Graminaceæ ejusdam deformata in Queenslandia (92).
11. *Puccinia Malvacearum* Mont. — In foliis *Altheæ roseæ*, New-South-Wales pr. Bathurst (Rev. T. Woods).
12. *Puccinia graminis* Pers. — In vaginis et foliis *Tritici vulgaris* in Queenslandia (91). Status uredineus.

### Discomyceteæ.

13. *Stictis radiata* Pers. \**S. brachyspora*, Sacc. et Berl. — Ascomatibus fere typi, sed margine angustiore et disco cinereo-violascente; sporidiis brevioribus et crassioribus bacillari-fusoideis, sæpe curvulis, 70-85 = 3-3,5, hyalinis, 15-18-septatis. — In caule putri, Logan (77).

### Pyrenomyceteæ.

#### Perisporiaceæ.

14. *Meliola amphitricha* Fr. — In phyllodiis *Acaciæ harpophyllæ*, Teviot (108).
15. *Meliola loganiensis* Sacc. et Berl. — Epiphylla; mycelio late effuso sed tenuissimo, fere nubiloso; hyphis repentibus, filiformibus, patule ramosis, septatis, subhyalinis; peritheciis globulosis, astomis, obtusis, 130-140  $\mu$  d., atris, setulis divergentibus, rectis, cuspidatis, septatis, fuliginis, sursum pallidioribus parce con-



spersis ; ascis fusoido-clavatis, brevissime stipitatis, apice obtusis, 45-50 × 18, suboctosporis ; sporidiis subtristichis, fusoido-clavulatis, 28-32 × 7-8, deorsum acutioribus, 7-8-septatis, non constrictis, hyalinis. — In foliis submortuis *Smilacis* cujusdam, Logan (76). — Si sporidia constanter hyalina, species hæc sectionem generis novam constitueret.

### Sphæriaceæ.

16. *Daldinia concentrica* (Bolt.) Ces. et de Not. var. *Eschscholtzii* Ehrenb. — Ad truncos, Logan (26).
17. *Anthostoma microplacum* (B. et C.) Sacc., Syll. I, p. 298. — Ad ramos corticatos arboris aromaticæ, Burleigh Head (52). Forte non satis diversum ab *A. hypophloeo*. Asci 60 × 5 ; sporidia 6-7 × 3.
18. *Anthostoma capnodes* (Berk.) Sacc. — In cortice arboris ignotæ, Logan (8). — Asci 100 × 10 ; sporidia 10-12 × 5.
19. *Diatrype chlorosarca* B. et Br., Sacc., Syll. I, p. 195. — In cortice arborum, Tambourine (86). — Asci clavati, longiuscule stipitati, p. s. 35 × 6 ; sporidia allantoidæ dilute olivacea, 8 × 1,5. Quoad stromatis colorem *Eutypam flavo-virescentem* in mentem revocat, sed toto habitu differt.
20. *Diatrype Stigma* (Hoffm.) Fr. — In ramis corticatis, Logan (69).
21. *Physalospora gregaria* Sacc. — In caule *Ricini* communis, Logan (38).

**Scortechinia** Sacc. nov. gen., *Trichosphæria* Sacc. ex p., Syll. I, p. 454. *Sphæria* Mont. — Perithecia in subiculo late effuso, compacto, pannoso, fusco, fere penitus immersa, minutissima, levia, epapillata, tau-

dem pertusa, vix carbonacea. Subiculi hyphæ subdichotome ramosæ, filiformes, fuliginæ, continuæ, ubique spinulis apice acute 2-3-dentatis exasperatæ. Asci clavati, tenerrimi, longe stipitati, apice obtusi, octospori, aparaphysati; sporidia disticha ex oblongo breve fusoides, utrinque acuta, hyalina. — Sollertissimo botanico italo Rev. BARTH. SCORTECHINI, Australiæ et Malesiæ exploratori dicatum genus.

22. *Scortichinia acanthostroma* (Mont.) Sacc. et Berl. *Sphæria acanthostroma* (Mont.). *Trichosphæria acanthostroma* (Mont.) Sacc., Syll. I, p. 454. — Ad cortices arborum Burleigh Head (51). — Asci p. s. 35-40 = 9, stipite 35-40 = 2,5; sporidia 10-11 = 3,5-4,5, biguttata. Adsunt quoque conidia hyphis inspersa obovato-oblonga, 12-13 = 5-6, binucleata, pallide lutescentia.

**Gibellia** Sacc. nov. gen. — Stromata subcutaneo-erumpentia e basi definita depresso-pulvinata, atra, intus pallidiora, superficie ostioliis vix prominulis punctulata. Perithecia globulosa, monosticha. Asci tereti-fusoides, sessiles, spurie paraphysati, lumine apice bifoveolati, octospori. Sporidia globoso-ellipsoidea, continua, hyalina. — Præclaro botanico prof. JOSEPHO GIBELLI de metagenesi pyrenomycetum deque pathologia mycogena optime merito novum genus libenter dico. *Dothideaceas*, præsertim *Mazzantiam* fere imitatur, sed perithecia vera adsunt. Inter Sphæriaceas hyalosporas inter *Botryosphæriam* et *Cryptosporellam* locandum.

23. *Gibellia dothideoides* Sacc. et Berl. — Stromatibus e basi elliptica depresso-pulvinatis, laxè gregariis, 2 = 1 1,5 mill., epidermide secedente demum nudatis, atris, intus pallidioribus, ostioliis leviter prominulis, remotiusculis, punctiformibus; peritheciis globulosis, monostichis,  $\frac{1}{2}$ - $\frac{1}{2}$  mill. d., in quoque stromate 6-10; ascis

tereti-fusoideis, sessilibus, apice obtusis lumineque bifoveolatis, 90-100 = 20-25, paraphysibus spuriis guttulis obvallatis, octosporis; sporidiis distichis v. oblique monostichis e globoso-ellipsoideis, 18-20 = 12-14, bipluriguttulatis, hyalinis. — In ramis corticatis lignosis ignotæ speciei in M. Moon (129). — A *Bagnisiella Tamaricis* et *B. Ilcis*, quæ *Botryosphæriam* propius spectant, omnino diversa.

24. *Sphærella smilacicola* (Schw.) Cooke. — In foliis *Smilacis glycyphyllæ*, Logan (14). Forma in foliis *Dioscoreæ transversæ*, Logan (35) huc quoque forte spectat.
25. *Didymella Bryoniae* (Fuck.) Rehm. — In sarmentis *Cucurbitacæ* cujusdam, Teviot (121). Asci 50-60 = 10-12; sporidia 10-12 = 4-6.
26. *Didymosphæria conoidella* Sacc. et Berl. — Peritheciis laxè gregariis, epidermide secedente nudatis, e globoso conicis, atris, sæpe concentricè obsolete plicatis,  $\frac{1}{3}$ - $\frac{1}{2}$  mill. d., ostiolo acutiuseculo; ascis clavulatis, modice stipitatis, paraphysatis, octosporis, 80-90 = 12; sporidiis distichis ellipsoideo-oblongis, constricto-1-septatis, 15-18 = 6-7, fuligineis. — In ramulis emortuis *Capparis sarmentosæ*, Teviot (110). — A *Did. conoidea* sporidiis duplo fere longioribus mox distinguenda.

#### Dothideaceæ.

27. *Phyllachora rhytismoides* (Corda) Sacc. — In phyllodiis *Acaciæ penninervis*, Teviot (102). — Asci crasse clavati, subsessiles, 85-95 = 18-22, octospori; sporidia ovato-ellipsoidea, utrinque rotundata, 18-20 = 8-10, granulosa, hyalina.
28. *Phyllachora? Alpinæ* Sacc. et Berl. — Stromatibus  
s. 2

oblongis, obtuse colliculosis, nitidissimis, nigris, epiphyllis, macula decolorata sæpius insertis; loculis majusculis, paucis; ascis. . . — In foliis *Alpinicæ cæruleæ emortuis*, Tallebud. (54). — Affinis, videtur *Ph. phylloptacæ*, sed fructificatio ignota.

29. *Dothidella apiculata* Sacc. et Berl. — Stromatibus epiphyllis, in maculis ochraceo-brunneis variis laxe gregariis, epidermide tenuissima saltem initio velatis, pulvinato-depressis, ambitu irregulariter rotundatis, atro-nitidis, 4-1,3 mill. d., intus pauci-locellatis, ostioliis brevissimis obtusis; ascis subteretibus, apice rotundatis, breve abrupte stipitatis, 75-80 = 18-20 apara-physatis, 4-sporis; sporidiis subdistichis, ovato-oblongis, utrinque rotundatis et breve obtuseque apiculatis, 1-septatis, et leniter constrictis, 26-28 = 11-13, hyalinis. — In foliis languidis *Litsææ dealbatæ* Samford (63). — Affinis *Dothidellæ australi*, a qua sporidiorum fabrica statim dignoscitur.

#### Microthyriaceæ.

30. *Micropeltis applanata* Mont. \**M. depauperata* Sacc. et Berl. — Peritheciis amphigenis  $\frac{1}{3}$  mill. d., convexulo-applanatis, atris, dein centro hiantibus; contextu subradiante; ascis oblongo-clavatis, breve, sæpe oblique stipitatis, apice rotundatis crasseque tunicatis, 45-50 = 18-21, 4-6-sporis; sporidiis fusoidis, curvulis, initio leniter mucosis, 18-20 = 4,5-5,5, spurie 1-3-septatis, hyalinis. — In foliis languidis *Eucalypti tereticornis*, Logan (4).

#### Hysteriaceæ.

31. *Lembosia graphioides* Sacc. et Berl. — Peritheciis epiphyllis, gregariis, lineari-oblongis, subinde furcatis,

$\frac{1}{2} \approx \frac{1}{8}$  mill., atris, carinulatis; subiculo obsoleto; ascis oblongo-clavatis, sessilibus, 40-45  $\approx$  12-14, 6-8-sporis, crasse tunicatis, aparaphysatis; sporidiis distichis inaequaliter didymis, loculo infero minori, 12-14  $\approx$  6, dilute fuliginis. — In foliis languidis Oleæ paniculatæ, Logan (72). Facies *Autographi*.

32. *Hysterographium hiascens* Rehm. \**H. macrum* Sacc. et Berl. — Peritheciis elongato-linearibus, rectiusculis, parallelis, 1-1,5  $\approx$  0,3 mill., atris, rima angusta incis, labiis macris; ascis clavatis, breve stipitatis, paraphysatis, 90-100  $\approx$  25-30, octosporis; sporidiis subdistichis oblongo-subfusoides, 25-30  $\approx$  8-10 6-8-septato-muriformibus, medio constrictis, olivaceis. — In lignis putridis, Logan (10).
33. *Rhytidhysterium Scortechinii* Sacc. et Berl. — Peritheciis sparsis, superficialibus, oblongo-elongatis, 1,5-2  $\approx$  0,6-0,7 mill., subcoriaceis, rima lineari latiuscula discum rubro-fuscum revelante exaratis, labiis tumidulis crebre et eximie transverse striato-sulcatis, nigricantibus; ascis teretiuseculis, paraphysatis, 180-200  $\approx$  42-14, octosporis; sporidiis oblique mostichis oblongis utrinque obtusiuseculis, 3-septatis, leniter constrictis, 25-27  $\approx$  12, fuliginis demum opacis. — In ramis corticatis arborum, Teviot (109).
34. *Tryblidiella rufula* (Spr.) Sacc. — In ramis corticatis, Teviot (109 ex parte). — Fructificatio perfecte ut in *Rhytidhysterio Scortechini*, a quo peritheciis omnino levibus, nitidulis præcipue recedit. Nota in Syll. II, p. 758 ad *Tryblidiellam rufulam* « labiis transverse striatis » forte ex commutatione auctorum cum vero *Rhytidhysterio* orta est.

### Sphæropsideæ.

35. *Chætophoma eutricha* Sacc. et Berl. — Mycelio epiphyllomas maculas nigras epiphyllas, sæpe confluentes, senio sæpe pulveraceo-secedentes formante; hyphis mycelicis effusis, filiformibus, ramoso-anastomoticeis, subseptatis, ubique nodulos hemisphæricos unilaterales gerentibus, fuliginis; peritheciis punctiformibus, subastomis, nigris, hyphis cinctis; sporulis oblongo-allantoidis, curvulis,  $4 \approx 1,5$ , hyalinis. — In foliis languidis *Castanospermi australis*, Logan (I et II). — Habitus *Meliolæ* ejus spermogonium verisimiliter sistit.
36. *Phyllosticta Cordylinæ* Sacc. et Berl. — Maculis vagis expallentibus; peritheciis crebris epiphyllis, punctiformibus, globoso-depressis, pertusis  $60-90 \mu$  d.; sporulis oblongis, 2-guttulatis,  $4-5 \approx 1$ , hyalinis. — In foliis *Cordylinæ terminalis*, Tambourine (88).
37. *Phyllosticta neurospileæ* Sacc. et Berl. — Maculis epiphyllis, nervis exacte limitatis, hinc angulosis, rufo-ochraceis; peritheciis globoso-depressis, parcissimis, innato-prominulis, punctiformibus; sporulis ovato-oblongis,  $8-10 \approx 3-6$ , intus granulosis, hyalinis; basidiis brevibus e basi stromatica densiuscula oriundis. In foliis *Vitis antarcticæ*, Logan (12).
38. *Cytospora Ferrucula* Sacc. et Berl. — Stromatibus mox erumpentibus et subsuperficialibus, globulosis, subinde depressis, atris, ostioliis minutis punctatis, peritheciis paucis, globoso-conicis stromate omnino immersis; sporulis allantoidis, hyalinis,  $6 \approx 1-5$ ; basidiis dichotome v. verticillato-ramosis, longis. — In ramis corticatis, Logan (116). — *Cytosporæ tumidæ* et *Cyt. epixylæ* affinis.

39. *Sphæropsis Rosarum* C. et Ellis. — In ramis corticatis Rosæ, Logan (117). Perithecia  $\frac{1}{6}$ - $\frac{1}{8}$  mill. d.; sporulæ elliptico-oblongæ, 20-22 = 10-11, fuligineo-olivaceæ, brevi-stipitatæ.

**Gamospora** Sacc. nov. gen. — Perithecia subsuperficialia, globulosa, minuta, subastoma, membranacea, setis divergentibus atris vestita. Sporulæ bacillares, pluriseptatæ, hyalinae, in sterigmatis communis apice subternæ, et cum eo persistentes; basidia bacillaria breviter apice sterigmata subterna gerentia. — In grege Sphæroidearum seolecosporarum sectionem propriam sistit. — Ety. a *gamos* connubium et *spora*.

40. *Gamospora eriosporoides* Sacc. et Berl. — Peritheciis epiphyllis mycelio tenuissime maculoso fusco interspersis, punctiformibus, globoso-depressis, setulis cuspidatis, septatis, rectis, 140-150 = 4-5, atrofuliginis parce vestitis; contextu peritheciis minute celluloso dilute fuligineo, prope basim subprosenchymatico; sporulis bacillaribus, rectis, utrinque obtusiusculis, 50-60 = 7, 3-4-septatis, in apice sterigmatis subternis et eo persistenter hærentibus; sterigmatibus subternis in basidio communi et ab eo mox secedentibus; sterigmatibus basidiisque sporulæ tertiam partem æquantibus. — In foliis coriaceis languidis, Logan (81). — Sporulæ basi, *Eriospora* fere ad instar, diu connexæ, tandem vero interdum secedunt.
41. *Melophia Woodsiana* Sacc. et Berl. in Syll. Fung. III, p. 659. — Peritheciis remote sparsis, epiphyllis, subiculo tenui depresso albo filamentoso maculiformi insertis, facile secedentibus, convexis, scutatis, astomis, glauco-fuscis,  $\frac{1}{5}$ - $\frac{1}{4}$  mill. d., contextu tenui-membranaceo, olivaceo-fusco, minute sed distincte parenchymatico; sporulis cylindræis, utrinque obtusiusculis,

30-35 = 4,5 ferri equini v. circuli ad instar arcu convolutis, pluri-nucleolatis, hyalinis, basidiis bacillaribus, 10 = 4, hyalinis fasciculatis suffultis. — In phyllodiis languidis *Acaciae harpophyllae*, Teviot (122). — Sporulae *Trichinam spiralem* optime æmulantur. Forte novi generis typus, quem cl. T. Woodsto de historia naturali Malesiæ meritissimo dicamus.

42. *Actinothecium? Scortechinii* Sacc. et Berl. in Syll. Fung. III, p. 639. — Peritheciis linearibus, rectis v. curvulis, subsuperficialibus, fureatis, v. varie ramosis utrinque rotundatis, plano-convexulis, longitudinaliter obtuse sulcatis (ibi tamen non dehiscenibus), poris inæqualibus hinc inde apertis, contextu minute et distincte parenchymatico, cellulis subcuboideis parallelis et bifariam directis; sporulis . . . non visis. — In pag. sup. foliorum *Smilacis* prope, Logan (77). — Etsi fructificatio ignota huc pertinere videtur species hæc pulchella, quam meritissimo SCORTECHINIO inventori dicamus.

### Melanconieæ.

43. *Glaosporium intermedium* Sacc. — In foliis *Hoyæ australis*, Tambourine (100).
44. *Glaosporium Denisoni* Sacc. et Berl. — Acervulis gregariis, minute pustulatis, epidermide demum vix perforata tectis, intus lutescentibus; conidiis oblongo-cylindraceis utrinque obtusiusculis, leniter curvis, 6-8 = 1-5, interdum 2-guttulatis, hyalinis, basidiis bacillaribus, simplicibus, 20-24 = 4-5 e basi stomatica minute cellulosa fuligineo-ochracea oriundis. — In epicarpio *Encephalarti (Macrozamiæ) Denisoni* F. Müller, in Queenslandia.



45. *Pestalozzia funerea* Desm. — In foliis *Elæodendri australis* (123) et *Myrti*, Teviot (124).
46. *Pestalozzia versicolor* Speg. — In foliis *Cupaniæ anacardioidis*, Logan (25). A typo aliquid differt basidiis paulo longioribus, nempe 15-16 = 2; conidia 30-32 = 10-12, partis coloratæ loculi duo sup. fuliginei, inferior pallidior; setæ subternæ 30-33 = 2.

### Hyphomyceteæ.

47. *Cladosporium herbarum* (Pers.) Link. — In foliis, ramis, etc. *Mallotii* (70), *Flagellariæ* (5), *Phy-saleos* (101), *Citri* (103), Logan, Teviot. — Var. *epixylum* Corda. — In lignis in Monte Moon (127).
48. *Cercospora solanacea* Sacc. et Berl. — Maculis subcircularibus epiphyllis brunneis, immarginatis; cæspitulis punctiformibus basi stromatica subglobosa crassiuscula olivaceo-fuliginea; hyphis fasciculatis cylindraceis, tortuosis, 40-50 = 4-5, olivaceis; conidiis bacillaribus, deorsum acutiusculis, apice obtusis, curvulis, 3-4-septatis, nubiosis, subhyalinis, 40-60 = 4-5. — In foliis *Solani verbascifolii*, Logan (34).
49. *Cercospora ricinella* Sacc. et Berl. — Maculis amphigenis rotundo-angulosis, ochraceis, demum centro expallentibus, cæspitulis plerumque hypophyllis, minutis; hyphis fasciculatis cylindraceis, rectis v. curvulis, vix 1-septatis, ochraceis, sursum pallidioribus, 60-70 = 4-5; conidiis bacillari-obelavalis, 90-100 = 5-6, subhyalinis, 6-7-septulatis, sursum acutatis. — In foliis *Ricini communis*, Logan (13).
50. *Helminthosporium puccinioides* Sacc. et Berl. — Acer-  
vulis amphigenis, aterrimis, laxe gregariis, disciformibus, compactis, puccinioideis, basi stromatica, convexa, crassa, atra; hyphis emergentibus, filiformibus,

tortuosis, spurie septatis dilute fuliginis, apice pallidioribus; conidiis clavatis, apice subrotundatis, 35-37 = 7-9, 3-4-septatis, non constrictis, dilute fuliginis. — In foliis languidis v. emortuis *Tristania Laurinae*, Logan (2). Species memorabilis, *Pucciniam atram* imitans, in foliis subviviis orta, in putrescentibus matureseens. Ob stroma definitum crassum ad *Exosporium* vergit, sed ad *Helminthosporium trichelium* quoque accedit.

- 51 *Actinomma Gastonis* Sacc., Misc. mycol. I, p. 28. — In phyllodiis languidis *Acaëcie* in Monte Moon (186). — A typo tahitensi vix differt acervulis (ab ætate?) minus profunde stellatis.

#### FUNGI TAHITENSES.

Misit egregius GASTON BRUNAUD, iudex tribunalis tahitensis, nec centurio ut autumaveram (Cfr. Misc. myc. I, p. 27). Habui ab ejus fratre PAULO BRUNAUD.

52. *Auricularia polytricha* (Mont.) Sacc. — *Exidia polytricha* Mont. (1834), *Ex. purpurascens* Jungh. (1838), *Auricularia levis* Jungh. in herb. — Ad truncos. — Pili dorsales fasciculati prælongi, 300 = 9, continui hyalini; sporæ reniformes 14 = 6: hymenium leve. In affini *Aur. sambucina* nostrate pili 100-150 = 8: sporæ reniformes 20-22 = 8: hymenium plicato-inæquale. Fungus in Asia et Australasia late effusus et frequenter comesus.
53. *Cladosporium asteromatoides* Sacc. — Cæspitulis adpressis, subradiantibus, asteromatoideis, nigris minutis; hyphis varie ramosis, ad basim contextis, septulatis, olivaceo-fuscis; conidiis ellipsoideis, minutis, 3,7 = 2,5 continuis v. 1-septatis. — In leguminibus *Erythrinae* (?), Tahiti. Legit G. BRUNAUD: dedit C. ROUËMEÛRE.

Ab eodem el. Brunaud accepi hymenomycetes duos, sed satis mancos, unum nempe (n. 15), *Pleuroto unguiculari* Fr. affinem, alterum (n. 10), *Pano cyathiformi* (Schäff.) Fr. subsimilem, sed (abnormiter?) dimidiatum.

### FUNGI ALGERIENSSES.

Clariss. doct. L. TRABUT professor in schola medica Alger-Mustapha misit sequentes fungillos.

54. *Oospora ruberrima* Sacc. Fl. it., fig. 872. Cl. Trabut misit butyri particulam colore rubro tinctam. Diu in camera humida asservata mycelium excrevit et Oosporam gignit, quam diu ut *O. crustaceam*, in caseo sollemnem, putaveram; sed conidia multo minora sunt, nempe  $2\frac{1}{2}$ -3  $\mu$  d., hinc vera *O. ruberrima*.
55. *Sarcina littoralis* Pauls. (*S. Morrhuae* Farl., *Coniotecium Bertherandi* Megn.) — In tegumento cutaneo Gadorum sale servatorum. Cellulæ sarciniformes 8-12  $\mu$  d. hyalinæ, cruciato-v. radiato-septatæ. Sec. Zopf est status *Beggiatoæ roseo-persicinae*.
56. *Clathrocystis roseo-persicina* Cohn (*Protococcus roseus* Kütz.) — In carne Gadorum sale servatorum. Cellulæ perexiguæ ellipsoideæ 1,5 = 0,5-0,7 coacervatæ roseo-persicinae. Sec. Zopf est status *Beggiatoæ*.
57. *Torula pulvinata* Farl. (serius *Oidium pulvinatum* et *Oid. Morrhuae* ejusdem Farl.) — In tegumento cutaneo Gadorum sale servatorum. Cæspituli fuliginei; conidia globosa 3-3,5  $\mu$  d., dilute ochraceo-fuliginea. — Servato genere Oidio ut forma conidica *Erysiphearum*, aptius species hæc inter *Torulas* militat, ut primitus habuit clarissimus Farlow, qui species tres gadicolas
- s.

nunc memoratas in Morrhuic americanis observavit.  
Conf. Roumeg. Rev. Myc. 1885, p. 16.

FUNGI BOREALI-AMERICANI.

58. *Hexagona unicolor* Fr. Nov. Symb. Myc. pag. 101. — Ad truncos Cordillera, Vera Cruz, Mexico (GALEOTTI, n. 6988). Specimen formosæ speciei habui cum sequentibus Galeottianis ab ornatissima Dom. M. Bommer. Fries habuit ex America calidiorē. — Color vinosus in mediis tubulis oritur ex *Hypomycete rosello* (A. S.) Tul. ibi optime fructificante
59. *Hexagona pallens* Sacc. — Resupinata, ovato-oblonga, depressa, alba, glabra, subcoriacea, tota fere e poris subhexagonis 2 mill. d., profundiusculis formata, margine sterili nullo. — Ad truncos Cordillera, Vera Cruz, Mexico (GALEOTTI, n. 6992). — Habitus fere *Hex. decipientis* Berk. F. Brisb., p. 61, t. XII, f. 3, sed margo et color alius. An forma resupinata *Hexagonæ vespaceæ* (Pers.) Fr. ?
60. *Trametes odorata* (Wulf.) Fr. — Ad truncos in Canada (LE METAYER, ex LETENDRE n. 1818).
61. *Irpex formosus* Sacc. — Pileis definite lateralibus, subinde duobus confluentibus, eximie, flabellatis, margine profunde inciso-lobatis, deorsum angustatis, pallide alutaceis, 6-7 cent. longis, membranaceo-coriaceis, planis, longitudinaliter striolatis, vix discolori-zonatis, sericeo-nitentibus, sed fere glabris; dentibus stipatis, angustis, acutis, incisus, basi anguste membranaceis leviter connexis, alutaceis. — Ad truncos in Mexico (GALEOTTI). — *Irpici zonato* et *I. incrustanti* subaffinis, sed dentibus crebris, minutis differt.
62. *Polyporus elegans* (Bull.) Fr. — Ad truncos, Ontario Canada (LE METAYER).

63. *Polyporus fomentarius* (Pers.) Fr. — Ad truncos Ontario Canada (LE METAYER). Statura minore a nostris tantum differt.
64. *Hypocrella phyllogena* (Mont.) Speg. — In pagina infoliorum *Eupatorii ageratoidis*, Madison Amer. bor. (TRELEASE, n. 127) — Asci cylindrici 150-200  $\approx$  8, apice subgloboso; sporidia filiformia in articulos 10-12  $\approx$  1-1,3 mox dilabentia.
65. *Hypomyces rosellus* (A. S.) Tul. — In poris, hinc sanguineo-linctis Hexagonæ unicoloris, Mexico (GALEOTTI). — Asci cylindrici 120-150  $\approx$  6; sporidia fusioidea, utrinque apiculata, 20-30  $\approx$  6-7, 4-septata, extus asperula.
66. *Pezicula acericola* Peck. in litt., *Nodularia acericola* Peck olim. — In cortice *Acerum* North Ellea, N. Y (PECK n. 5). — Asci clavulati 4-8-spori, paraphysati, 80-90  $\approx$  10-18; sporidia oblongo-clavulata, sæpe curvula, 24-26  $\approx$  8, hyalina.
67. *Cudonia lutea* Peck — Adirondack Mountains N. Y. (PECK n. 3). — Asci clavati 100  $\approx$  12, paraphysibus uncinatis obvallati; sporidia filiformia 75-80  $\approx$  1,5, extra ascos tantum 40-50  $\approx$  1,5 visa. — A *Cud. circumante* ascis sporidiisque brevioribus, colore pallidiore stipitis et luteo ascomatis satis differt.
68. *Mitrula* (*Geomitrlula*) *vitellina* (Bres.) Sacc. — *Geoglossum vitellinum* Bres. — Sandlake New York (PECK n. 2). Subgenus *Geomitrlula* Sacc. dignoscitur ascomate cylindraceo v. longe clavato, quod in typo est capitatum v. breve clavatum.
69. *Mitrula* (*Geomitrlula*) *lutescens* Berk. — Sandlacke New York (PECK n. 1).
70. *Ascomycetella quercina* Peck. — In pag. inf. *Quercus*, Cobden Illinois (PECK, n. 6). Ascomatis excipulus mihi videtur omnino deesse, hinc genus prope

Gymnoaseas forte locandum. Nucleus prorsus *Cookellæ*.

71. *Coniothyrium Arthurianum* Sacc. et Berl. — Peritheciis gregariis epidermide velatis, globoso-depressis, papillulatis,  $\frac{1}{6}$  mill. d., atris; sporulis e globoso ellipsoideis, utrinque rotundatis, 5-6 = 4-5, pallide olivaceis. — In caulibus herbaceis (*Cucurbitæ*?) Geneva N. Y., socio *Epicocco neglecto* (I. C. ARTHUR n. 11).
72. *Gloeosporium septorioides* Sacc. (Tab. XI, f. 34<sup>b</sup>). *Marsonia quercina* Wint., Hedw., 1884, p. 171. — In foliis *Quercus imbricatæ*, Missouri (C. H. DEMETRIO ex WINTER n. 6. — Conidia, quæ vidi, bacillari-fusoidea, curvata, utrinque obtusiuscula, 20 = 1,7-2, hyalina, semper continua, etiam addita ope jodii et kalii.
73. *Cylindrosporium microspilum* Sacc. et Wint. — Maculis epiphyllis circularibus, perexiguis, albis, tenuiter atro-marginatis; acervulis amphigenis, innatis, punctiformibus, pallidis; conidiis bacillaribus, curvulis, utrinque rotundatis, 50-60 = 4, spurie 4-6-septatis, hyalinis. — In foliis *quercinis*, Missouri (DEMETRIO, ex WINTER n. 7).

**Martindalia** Sacc. et Ell. (Ety. a cl. ISAAC C. MARTINDALE ex Camden New Jersey, sollerti botanico). — Stipites (seu stromata) subteretes, ex hyphis coalitis, hyalinis filiformibus compositi; hyphæ fertiles ex apice stipitis prodeuntes, capitulumque formantes, laxe spirales lateraliterque nodulosæ et conidia globosa, hyalina gerente. — Defectu mucii, hyphisque subspiraliter convolutis a gen. *Stilbo* et *Isaria* satis differre videtur.

74. *Martindalia spironema* Sacc. et Ell. (Tab. XI, f. 34). — Tota candida; stipitibus 1-2 mill. alt., basi incrassatis, apice in capitulum ovale nec mucosum nec pulve-

raceum desinentibus; hyphis fertilibus seu basidiis, longis, continuis, 2-3  $\mu$  d., hyalinis, sursum laxe spiritaliter flexis, denticulos minutos exerentibus; conidiis globosis, 5-6  $\mu$  d., 1-guttatis, hyalinis, subinde pallide rosellis. — In dolio ulmeo in cella vinaria, Newfield (ELLIS, n. 3799).

**Periconiella** Sacc. — Cæspites late effusi, velutini, atrii, biophili. Hyphæ fertiles (ex mycelio forte endophyllo orientes) assurgentes, simplices, atræ, septatæ, sursum in ramulos ascendentes desinentes capitulumque formantes. Conidia ovato-oblonga, continua, fuliginea. Toto habitu et vita a *Periconia* (unde etymon) differt, characteribus vero accedit.

75. *Periconiella velutina* (Wint.) Sacc. (Tab. XI, f. 36). *Periconia velutina* Wint. Hedw. 1884, p. 174. — In foliis subvixis *Brabeii stellatifolii* ad Caput Bonæ Spei (P. MAC-OWAN ex WINTER n. 41).
76. *Botrytis patula* Sacc. et Berl. (Tab. XI, f. 35). — Cæspitulis minutis ex albo griseis, gossypiniis, suborbicularibus, hyphis assurgentibus fertilibus, continuis, filiformibus, subhyalinis ramos ramulosque subrectangulariter patentes gerentibus, paniculamque formantibus; conidiis magnis, globosis v. globoso-ellipsoideis, 30  $\mu$  d., e hyalino luteolis. — In ramis emortuis *Salicis* (?) New Jersey (ELLIS n. 3336).
77. *Botrytis cinerella* Sacc. et Wint. (Tab. XI, f. 34). — Cæspitulis pulvinatis, suborbicularibus, 4,5 mill. d., v. confluendo effusis, velutinis, cinereis; hyphis fasciculatis, assurgentibus, septulatis, deorsum dilute fuliginis, bis ter alterne v. opposite ramosis, ramulis apice acutatis; conidiis globosis minutis, 4-5  $\mu$  d., subhyalinis, acrogenis. — In cortice *Caryæ albæ*, Missouri (DEMETRIO ex WINT. n. 4).

78. *Cercospora pulvinulata* Sacc. et Wint. — Maculis amphigenis suborbicularibus rufo-ferrugineis; caespitulis hypophyllis, punctiformibus, basi stromatice hemisphaerica opace olivacea cellulosa suffultis; hyphis brevibus continuis subdenticulatis, simplicibus pallide olivaceis; conidiis bacillaribus, obtusiusculis, obsolete 3-septatis, 40-50 = 3,5, dilute olivaseentibus. — In foliis languidis Mori rubrae, Missouri (DEMETRIO ex WINT. n. 8).
79. *Chromosporium vitellinum* Sacc. et Ell. — Effusum, pulveraceum, aetate aureo-vitellinum: conidiis ellipsoideis, v. globosis, 5-6  $\mu$  d., v. 6,5-7 = 4,5-5, flavidis. — In ligno et Polyporo putri Newfield N. J. (ELLIS, n. 3825).
80. *Fusarium scolecoides* Sacc. et Ell. — Caespitulis arachnoideis, subeffusis, candidis, minutis; hyphis longis simplicibus furcatisve, 130-180 = 2, subseptatis, hyalinis: conidiis anguste fusoides, utrinque acutis, curvis, 5-septatis, varieque guttulatis, 70-80 = 3-4, hyalinis. — In ramis Robiniae, Bethlehem (E. A. RAU ex ELLIS n. 3806).

**Scoriomyces** Ell. et Sacc. (Ety. *scoria* et *myces*). — Sporodochium amorphum, subceraceum, late coloratum ex apicibus fibrarum rhizomorphoidearum enatum, intus reticulum crassum sistens sporasque (conidia?) subglobosas in quoque areola subhexagona fovens. Hyphae v. basidia nulla visa. — Genus per dubiae affinitatis, vere anomalum.

81. *Scoriomyces Cragini* Ell. et Sacc. — Fibris rhizomorphoideis, succineis, sub corticibus udis corruptis repentibus, apicibusque massas seu sporodochia amorphae, aurantiaca, favacea, subcontinua v. saepius plus minus interrupta gerentibus; sporodochiis intus fere reticulatis; interstitiis hexagonis sporas subglobosas v.



subangulosas 16-20  $\mu$  d. flavo-aurantiacas, intus grumosas foventibus. — Sub cortice carioso vetusto *Rhois venenatae* et ad terram cum sarmentis ligneis, Newfield (ELLIS), Kansas (CRAGIN). — Sporae in sporodochi parte inferiore acrius conglutinatae et pallidiores videntur.

### FUNGI HELVETICI.

Misit cl. prof. P. MÖRTHIER e Corcelles près Neuchâtel.

82. *Physalospora gregaria* Sacc. \**platanicola*: sporidiis quam in typo paulo brevioribus, nempe 20-22 = 9; ascis 60-70 = 12-14. — Ad ramulos *Platani*, Genève (l. Rome) (n. 23).
83. *Zignoëlla Jurana* Sacc. et Berl. (Tab. X, f. 23). — Peritheciis superficialibus, subsparsis, globoso-depressis,  $\frac{1}{4}$ - $\frac{1}{3}$  mill d., denique collabescendo umbilicatis, atris, brevi-papillatis; ascis tereti-clavatis, 90-100 = 14, breve stipitatis; paraphysatis, octosporis; sporidiis distichis fusoides, utrinque acutiusculis, 3-septatis, non v. vix constrictis, 20-22 = 6, hyalinis. — In ligno indurato *Lonicerae* in m. Jura prope Neuchâtel (n. 20). — Affinis *Z. fallaci*, a qua peritheciis eximie collabentibus differt.
84. *Metasphaeria helvetica* Sacc. et Berl. (Tab. X, f. 22). — Peritheciis gregariis, subcutaneis, minutis,  $\frac{1}{4}$ - $\frac{1}{3}$  mill. d., breve papillatis, epidermide supra perithecia saepe infuscata; ascis cylindricis, breve stipitatis, paraphysatis, octosporis 130-140 = 18; sporidiis oblique 4-stichis v. subdistichis, oblongo-clavulatis, deorsum acutioribus, 3-septatis, leviter constrictis, minute pluri-guttulatis, hyalinis, 30-32 = 10-11. — In ramulis *Lonicerae Xylostei* pr. Neuchâtel (n. 13).

85. *Leptosphaeria agnita* (Desm.) Ces. et De Not. \**major*: peritheciis, decedente cuticula, nudatis, globoso-papillatis,  $\frac{1}{3}$ - $\frac{1}{2}$  mill. d., nitidulis; ascis 95-105 = 12-13; sporidiis fusoideis, 5-6-septatis, dilute melleis, 32-36 = 4-5.— Ad caules Chærophylli aurei pr. Neuchâtel, alt. 1000 m. (11).
86. *Lasiosphaeria* (*Leptospora*) *Romeana* Sacc. et Berl. (Tab. X, f. 19).— Peritheciis gregariis, superficialibus, globoso-depressiusculis,  $\frac{1}{2}$ - $\frac{2}{3}$  mill. d., obtuse papillatis, atris, pilis cylindricis, subtortuosis, septatis, 200-220 = 6, fuligineis, subindivisis laxiuscule vestitis; ascis tereti-clavatis, deorsum longe attenuato-stipitatis, 200 = 20 (p. sporif.), octosporis, non v. obsolete paraphysatis; sporidiis cylindricis, utrinque obtusiusculis, 55 = 6, deorsum curvatis, continuis, hyalinis. — In trunco putri prope Genève (ROME). — Subaffinis *L. caudata* Fuck., differt vero sporidiis non caudatis, longioribus.
87. *Ophiobolus Morthieri* Sacc. et Berl. (Tab. X, f. 20).— Peritheciis gregariis, globoso-conoideis, atris ostiolo brevi nudo  $\frac{1}{2}$  mill. d., demum detectis, hyphis adpressis radiantibus, ochraceo-fuligineis, tortuosis, septatis, 4-5  $\mu$  cr. vestitis; ascis cylindraccis breve stipitatis, paraphysatis, 100-120 = 8-10 p. spor., stip. 30-30  $\mu$  long. v. brevioribus: sporidiis cylindracco-bacillaribus, 90-100 = 2, 8-multiguttulatis, eximie convolutis, e hyalino dilutissime luteolis. — Ad caules *Gentianæ luteæ* aux Loges près Neuchâtel, alt. 1200 m. — Affinis *Oph. persolino* et *pellito* a quibus sporidiis valde curvis et ascis conspicue brevioribus satis differt.
88. *Ophiobolus Penicillus* (Schm.) Sacc. (Tab. X, f. 21). — In caule *Cirsii palustris* in silvis supra Corcelles (n. 18 p. p.). — Ostiolum breve cylindraceum, setulo-

sum. Asci 160-170 = 16. Sporidia bacillaria 160 = 4, typice 25-septata, lutea, loculis 1-2 intermediis nodosis.

89. *Pseudopeziza* (*Leptotrochila*) *autumnalis* (Fuck.) Sacc. f. *caulicola*.—In caule Galii Molluginis pr. Corcelles (7). — Asci 70-80 = 6-7; sporidia ovato-oblonga, 10-12 = 3, 3-4-guttulata, hyalina.
90. *Ovularia corellensis* Sacc. et Berl. (Tab. X, f. 27). — Maculis viridi-lutescentibus, immarginatis; caespitulis hypophyllis, pallidis, saepe confluentibus, minutis; hyphis laxe fasciculatis filiformibus, flexuosis, denticulatisque, subsimplicibus, 30-40 = 4-5, continuis, hyalinis; conidiis elliptico-ovoideis, 12-15 = 6-7, continuis hyalinis, guttulatis. — Ad folia languida Primulae a caulis prope Corcelles (3) — *Ovularia decipiens* et *O. pusilla* affinis.

#### FUNGI GALLICI ET ANGLICI.

91. *Hydnum farinaceum* Pers. — In ramis corticatis Corni sanguineae, Rouen (LETENDRE n. 1835. — Ad *Grandiniam crustosam* (Pers.) Fr. accedit.
- 91.<sup>a</sup> *Merulius molluscus* Fr. — In ramis corticatis Corni sanguineae, Rouen (LETENDRE n. 1834).
- 91.<sup>b</sup> *Botryosphaeria Bérangeriana* De Not. <sup>\*</sup>*pachyspora* Sacc. A typo recedit sporidiis crassioribus, nempe 20-32 = 14-18, et ascis angustioribus, nempe 120-180 = 28-32. — In ramis emortuis Carpini, Troyes (BRIARD, n. 14).
92. *Botryosphaeria Quercuum* (Schw.) Sacc. — var. *Carpini* Sacc.: acervulis pulvinatis, minutis, aterrimis; ascis clavatis, crasse tunicatis 120-140 = 28-32, crassiuscule paraphysatis, octosporis; sporidiis distichis, ovoidis.

- deis, 28-32 = 14-18, intus granulosis, hyalinis. — In ramis Carpiui, Troyes (BRIARD, n. 30).
93. *Melanopsamma salicaria* (Karst.) Sacc. \**M. fallax* Sacc. et Br. A typo recedit sporidiis minoribus, nempe 12-14 = 6-8, et matrice superficie dealbata. — In cortice Salicis albæ, Troyes (BRIARD, n. 29).
94. *Melanconiella decorahensis* (Peck.) Sacc., Syll II, LIV. — In cortice Betulæ, Troyes (BRIARD, n. 8). Asci 112-128 = 10-12; sporidia didyma fusciscentia, 16-18 = 8-9.
95. *Metasphaeria lejustega* (Ell.) Sacc. (Tab. XI, f. 28). — In ramis Rosarum pr. Troyes et Rouen (MALBRANCHE et BRIARD). — Asci 112-160 = 10-12; sporidia 18-20 = 8.
96. *Leptosphaeria Decaisneana* (Criè) Sacc. — In foliis subvivi Populi pyramidalis, Troyes (BRIARD, n. 9). — Asci clavati, subsessiles, 44-64 = 9-11; sporidia fussoidea 16-20 = 4-5, 3-septata leniterque constricta, diu hyalina tandem olivascens.
97. *Falsaria atrata* Sacc. et Br. (Tab. XI, f. 29) — Stromatibus gregariis, cortice initio tectis et ligno superficie late nigricato basi adnatis, globoso-conoideis, aterrinis; peritheciis stromate immersis paucis, globulosis, ostioliis breviter emergentibus, papillatis; ascis cylindraccis breve stipitatis, copiose paraphysatis, octosporis; sporidiis monostichis ellipsoideo-oblongis, constricto-1-septatis, 17-20 = 8-11, initio flavicantio-olivaceis, 2-guttulatis, dein opace fuliginis. — In caulibus emortuis Brassicæ oleraceæ acervatis, Troyes (BRIARD, n. 11).
98. *Teichospora oxythete* Sacc. et Br. (Tab. X, f. 24). — Peritheciis sparsis e basi infossa superficialibus, globoso-conicis,  $\frac{5}{4}$  mill. d., atris, carbonaceis, ostiolo acute papillato; ascis tereti-cylindraccis breve et cras-

se stipitatis, paraphysatis, octosporis, 100-120 = 16-14; sporidiis oblongo-ellipsoideis, utrinque rotundatis, 26-30 = 9-11, 5-septatis, parceque muriformibus, non constrictis, fuliginosis. — In cortice duriore *Salicis*, Troyes (BRIARD, n. 4).

99. *Scirrhia Groveana* Sacc. (Tab. IX, f. 18). — Stromatibus linearibus, plurimis, in utraque foliorum pagina parallele gregariis, epidermide initio velatis, 1-1,5 mill. longis, atris; loculis confertis subglobosis; ostioliis breve papillato-prominulis, pertusis; ascis fasciculatis fusoides, sessilibus, utrinque obtusiusculis, 60 = 12, aparaphysatis; sporidiis distichis, oblongis, v. subclavulatis, 14-16 = 3,5-4, 1-septatis, non constrictis, nubiosis, hyalinis. — In foliis languidis *Typhæ latifoliæ*, socia *Leptosphaeria Michotii*, Langle Pool prope Birmingham Britanniae, ubi legit cl. W. B. Grove, cui merito dicata species.

100. *Maziantia Brunaudiana* Sacc. et Berl. (Tab. X, f. 25). — Stromatibus, clypeatis, oblongis, 3 = 1,5-2 mill., aterrimis, nitidis, paucilocellatis, loculis globosis in superficie stromatis subinde leniter prominulis, ostioliis obsoletis; ascis teretibus, stipitatis, 70-80 = 10-12, aparaphysatis; sporidiis distichis, oblongis, utrinque rotundatis, 9-10 = 4, biguttulatis, hyalinis, strato mucoso initio obvolutis. — In caule *Umbelliferarum*, Saintes (BRUNAUD, n. 12). A *Mazz. sepium* S. et P. (Tab. X, f. 26), stromatibus multo majoribus, sporidiis initio mucosis etc. differt.

101. *Gloniopsis australis* (Duby) Sacc. \**G. vinealis* Sacc. et Br. — Peritheciis elongatis, utrinque rotundatis, 1 =  $\frac{1}{4}$  mill., atris, rima latiuscula exaratis; ascis clavatis breve stipitatis, paraphysatis, 68-76 = 24-28; sporidiis distichis, rectis, curvulisve, ovato-oblongis,

- 24-28 = 10, 5-septato-muriformibus, hyalinis. — In ligno quercino indurato, Troyes (BRIARD, n. 19).
102. *Stictis radiata* Pers. \**brachyspora* Sacc.: ascis 70-100 = 12; sporidiis 64-84 = 3, sursum crassiusculis, 10-septatis guttularisque. — In ligno putri salicino.
103. *Stictis* (*Lasiostictis*) *conigena* Sacc. et Berl. (Tab. XI, f. 30). — Ascomatibus dense gregariis, profunde immer-sis, concavis, cinereis,  $\frac{1}{3}$  mill. d., margine emergente primitus connivente, dein subexspanso, piis filiformibus, continuis, asperulis, hyalinis copiosis ornato; ascis tereti-fusoideis, subsessilibus, apice acutiuseculis, 80-112 = 8-9, paraphysibus bacillaribus, guttularis obvallatis; sporidiis fusoido-bacillaribus, rectis curvulisve, spurie 4-5-septulatis, non constrictis, hyalinis, 50-60 = 2-2, 4. — In squamis strobilorum Pini dejectorum Troyes (BRIARD, n. 7). A genere *Stictidis* margine conspicue piloso differt et probabiliter novi generis typus.
104. *Arcyria punicea* Pers. — In ramis Evonymi pr. Rouen (LETENDRE n. 1844).
105. *Phoma obtusula* Sacc. et Br. — Peritheciis hinc inde aggregatis, erumpentibus, globulosis, obtusulis,  $\frac{1}{4}$  mill. d., atris, nitidulis, vix papillatis; sporulis ovato-oblongis, utrinque acutiuseculis, 8-12 = 4, hyalinis; basidiis brevibus. — In ramulis corticatis Aceris campestris, Troyes (BRIARD, n. 22).
106. *Rhabdospora scoparia* Sacc. et Br. Peritheciis gregariis subeutaneo-erumpentibus, globulosis, obsolete et obtuse papillatis,  $\frac{1}{6}$  mill. d., atro-nitidulis; sporulis cylindraceis, curvulis, utrinque rotundatis, nubilosis, v. 4-guttularis, hyalinis, 28-36 = 6-7. — In ramulis Sarothamni scoparii, Troyes (BRIARD, n. 27). — Affinis *Rhabd. Cordobensi* Speg.
107. *Dichomera Saubinetii* (MOLT.) Cooke. — In ramis

- corticalis *Oxyacanthæ* (n. 24) et *Quercus* (n. 23, forma minor), Troyes (BRIARD).
108. *Pestalozzia phyllostictæ* Sacc. (Tab. XI, f. 32). — Maculis arescendo expallentibus, variis; acervulis punctiformibus vix erumpentibus; conidiis oblongis, 4-septatis, 20-22 = 7-8, loculis 3 mediis fuliginosis, extimis minutis, hyalinis, arista curvula unica, 4-6  $\mu$  longa, stipite filiformi 15-20 = 1,5. — In foliis *Rubi fruticosi* in Gallia (ROMÉGÈRE, n. 5). — *Pestalozziæ compactæ* et *monochætæ* subaffinis, a quibus præcipue arista brevi curva et stipite brevi diversa.
109. *Scolecosporium Fagi* Lib. — In ramis fagineis pr. Rouen (LETENDRE, n. 1929).
110. *Ramularia plantaginea* Sacc. et Berl. — Maculis vagis arescendo ochraceis; cæspitulis effusis, sæpe confluentibus, arachnoideis; hyphis bacillaribus, sursum acutioribus, continuis, 20-30 = 6-7; conidiis cylindraceis, rectis, utrinque rotundatis, spurie 1-3-septatis, hyalinis, 30-50 = 6. — In pag. inf. foliorum *Plantaginis lanceolatae* pr. Rouen (LETENDRE, n. 1840).
111. *Ramularia Thriniciæ* Sacc. et Berl. — Maculis brunneis vagis; cæspitulis hypophyllis, minutis albis; hyphis fasciculatis, subcylindricis, subtortuosis, continuis, parce denticulatis, 20-30 = 4; conidiis cylindræoclavulatis, apice obtusioribus, 22-25 = 4, continuis v. spurie 1-septatis, rectis, hyalinis. — In foliis *Thriniciæ* prope Rouen (LETENDRE).

#### FUNGI ITALICI.

112. *Agaricus conigeus* Pers., Fr. Ic. Hym., t. 67, f. 3. — Ad conos *Abietis excelsæ* dejectos, udos in horto botanico Patavino (DOM. SACCARDO).

413. *Cantharellus retirugus* (Bull.) Fr. — Ad culmos exsicatos dejectos. Fiumicello.

**Bizzozzeria** Sacc. et Berl. nov. gen. — (Elym. a cl. JAC. BIZZOZERO de flora veneta meritissimo). — Perithecia superficialia, v. basi ligno insculpta, discreta, subcarbonacea, globoso-papillata, nunquam collabentia. Asci paraphysati, octospori (breve pedicellati). Sporidia allantoidea, majuscula, continua, subhyalina. A gen. *Celosphæria* peritheciis discretis, subcarbonaceis, nunquam collabentibus, sporidiis magnis etc. statim distinguitur.

414. *Bizzozzeria veneta* Sacc. et Berl. (Tab. VIII, f. 4). -- Peritheciis discretis sed dense gregariis, extus olivaceo atris, levibus,  $\frac{1}{2}$ ,  $\frac{1}{2}$  mill. d. ostiolo brevi papillato; ascis tereti fusoides, 110 = 14, breviter stipitatis, apice rotundatis, octosporis; paraphysibus filiformibus, asco brevioribus; sporidiis oblique monostichis v. distichis, eximie allantoideis, curvulis, utrinque rotundatis, 35-40 = 5-6, dense et minutissime granulosis v. guttulatis, olivaceo-hyalinis. — In ramis decorticatis *Quercus pedunculatae* in silvula di Cervarese, prov. Padova.
415. *Læstadia fusispora* Sacc. et Berl. (Tab. VIII, f. 3). -- Maculis epiphyllis vagis, subochraceis; peritheciis subsparsis globoso-lenticularibus, breve papillatis, tectis dein erumpentibus, 100-110  $\mu$  d., membranaceis; ascis cylindraceutis, aparaphysatis, breviter stipitatis, 80-90 = 8; octosporis; sporidiis 1-stichis, fusoides, 20-22 = 4-5, subinde inæquilateralibus, hyalinis, eguttatis. — In foliis putrescentibus *Quercus pedunculatae*, Cervarese, Padova. — Ab affini *Physalospora fusispora* differt peritheciis minoribus, ascis aparaphysatis et dimidio angustioribus.



116. *Læstadia Polypodii* Sacc. et Magn. (Tab. VIII, fig. 6).— Maculis vagis ferruginosis amphigenis; peritheciis hinc inde densissime gregariis amphigenis, innato-prominulis, globulosis, vix pertusis, 90-100  $\mu$  d. atris; ascis tereti-clavatis, aparaphysatis, 60 = 15, breve stipitatis, octosporis; sporidiis distichis, ovato-oblongis, continuis 11-12 = 5-6, granulosis, hyalinis. — In foliis *Polypodii vulgaris*, Sassari Sardiniae et Albano Latii (MAGNUS).
117. *Læstadia Zaviana* Sacc. (Tab. VIII, f. 2). *Diaporthe Zaviana* Sacc., Spec. myc. Ven. p. 139, t. XIV, f. 5-7. — Iterum reperta in sarmentis corticatis *Rubi fruticosi*, Fiumicello. — Stroma absolute nullum ostiolumque brevissimum, nec non defectus foveolarum in apice asci suadent hanc speciem in genus *Læstadium* potius ducere. — Asci 27-30 = 6-8; sporidia disticha, 6-7 = 3-4, 2-guttata, hyalina, initio utrinque apiculo 1-2  $\mu$  longo aucta.
118. *Poronia Oedipus* Mont. — In terra stercoreata, Padova. — Est forma ramosa, pulcherrima. Asci 160-170 = 20-24; sporidia 24-26 = 13-16.
119. *Hypoxylon semi-immersum* Nits. — In ligno putri salicino, Padova. — Asci 90-100 = 10-12; sporidia perfecte ellipsoidea, 12-13 = 8-9.
120. *Melanopsamma Petrucciana* (Cald.) Sacc. — In cortice duriore *Salicis albae*, Fiumicello, Padova. — Asci 165-175 = 13; sporidia 21-23 = 8-9.
121. *Diaporthe* (Euporthe) *silvestris* Sacc. et Berl. (Tab. VIII, f. 7). — Peritheciis laxe gregariis, ligno semi-infossis et peridermio tectis, linea angusta, andoxyla, atra hinc inde circumscriptis, globulosis,  $\frac{1}{2}$  mill. d. ostiolis vix emergentibus; ascis tereti-fusoideis, 45-50 = 6-8; sporidiis octonis, distichis v. oblique monostichis, fusoides, constricto-1-septatis, 14-15 = 5, 4-guttatis, hyalinis,

utrinque initio minute hyalino-apiculatis. — In sarmentis *Vitis viniferæ silvestris*, Cervarese.

122. *Leptosphaeria Lunariæ* (B. et Br.) Sacc. — In siliquis emortuis *Lunariæ*, Conegliano (CUBONI). Asci 78-82 = 12; sporidia 18-20 = 6-7.
123. *Acanthostigma affine* Sacc. et Berl (Tab. VIII, f. 1). — Peritheciis superficialibus, subsparsis, globoso-conoides, minutis,  $\frac{1}{3}$ - $\frac{1}{3}$  mill. d., subcarbonaceis, atris, setulis cuspidatis, 100-150 = 4, rectis, fuliginis, septulatis parce vestitis; ascis tereti-fusoideis, stipitatis, parce paraphysatis, 110-120 = 12-14, octosporis; sporidiis distichis, fusoides, 32-34 = 6, 6-guttatis, v. pluri-granulosis, 1-3-septatis, hyalinis. — In ramis putridis decorticatis Cervarese. *Ac. perpusillo* affine sed satis superque distinctum.
124. *Teichospora* (*Teichosporella*) *Cervariensis* Sacc. et Berl. (Tab. VIII, f. 5) — Peritheciis basi adnata superficialibus, globoso-conicis, breve sed acute papillatis,  $\frac{1}{3}$  mill. d., atris, laxe gregariis, glabris; ascis teretoclavulatis brevissime stipitatis, parce paraphysatis, 160-170 = 20-25, octosporis; sporidiis subdistichis, oblongo-fusoides, utrinque acutiusculis, 10-12 septato-muriformibus, ad septa duo intermedia parum constrictis, 50 = 16, hyalinis. — In ramis putridis decorticatis *Quercus pedunculata*, Cervarese, in provincia patavina.
125. *Auerswaldia Chamæropis* (Cooke) Sacc. (Tab. VIII, f. 8). — Syll. II, p. 626. — In utraque pag. foliorum putrescentium *Chamæropis humilis*, S. Giovanni pr. Oristano Sardinie (MAGUS). — Tandem ascos in hac specie reperire contigit: sunt obovati, sessiles, apice obtuse rotundati, 60-70 = 40-45, aparaphysati, octospori; sporidia ellipsoidea 24-26 = 14-16, polysticha, ochraceo-fusca. Stromata clypeata oblonga, atro-ni-

- tida 1,5 = 1 mill.; loculi globosi, pauci, ostiolis vix manifestis. — An species hæc cum Cookeana congruat verisimile est, sed sporidia non prorsus amygdaloidea ut Cooke describit, et asci insuper ab hoc auctore non descripti. Num *Sphaeropsis ? dothideoides* Sacc. et Roum. Mich. II, p. 348 eadem res sit v. tantum status pycnidicus, dijudicare nequeo.
126. *Diachwa leucopoda* (Bull.) Rost. — In caulibus et cladodiis *Ruscii aculeati* in Bosco di Pradella pr. Conegliano (Cтвоxi).
127. *Ciboria ciliatospora* Fuck. (Tab. VIII, f. 8). — In caule putri herbarum Fiumicello. — Ascوماتа eum stipite 1 cent. alta, 2-3 mill. lata. Asci paraphysati, deorsum longe attenuati, 100-110 = 7-9; sporidia disticha v. oblique 1-sticha clavato-fusoidea, 22-24 = 5-6, deorsum acutiora, utrinque cauda acuta 4 = 0,5 aucta. — Var. **minor**: ascomatibus dimidio minoribus; ascis 120 = 8-9; sporidiis similibus, sed 20-24 = 6-7. — In caulibus, Fiumicello.
- 127.<sup>b</sup> *Peziza* (*Humaria*) *arenosa* Fuck. — Ad terram humosam, Fiumicello.
128. *Cytospora dolosa* Sacc. In ramulis *Salicis albæ*, Fiumicello. Stromata tumidula, verruciformia, atra. Spermogonium *Falsæ dolosæ* Nits.
129. *Dothiorella diatrypoides* Sacc. et Berl. (Tab. IX, f. 15). — Acervulis transverse erumpentibus, pulvinatis, diatrypoideis, atris, 2 mill. latis; peritheciis dense congestis, globosi, minutes papillatis,  $\frac{1}{6}$  mill. d.; sporulis oblongo-fusoideis, 28-34 = 9-11, pluriguttulatis, hyalinis; basidiis sporulâ paulo brevioribus bacillaribus fasciculatis. — In ramis emortuis corticeatis *Cerasi*, Fiumicello, Padova.
130. *Coniothyrium Resinæ* Sacc. et Berl. (Tab. IX, f. 17). — Peritheciis superficialibus, globulosis, atris, fere s.

epapillatis,  $\frac{1}{7}$ - $\frac{1}{8}$  mill. d., subiculo atro coniothecioideo insertis; contextu celluloso, nigricante; sporulis globosis, 1-guttulatis, 1,5-2; basidiis bacillaribus, 15 = 1,5-2, dilute olivaceis, fasciculatis. — In resina dejecta uda in horto Patavino (DOM. SACCARDO). — Cum pyrenidio *Retinocycli flari* Fuck. contextu atro perithecii statim distinguenda species.

131. *Septoria acanthina* Sacc. et Mag. — Maculis amphigenis, subcircularibus, brunneis; peritheciis innatis, lenticularibus, pertusis, atris, 120-150  $\mu$  d.; sporulis bacillaribus, curvulis, utrinque obtusiusculis, 40-50 = 2,5-3 spurie, 3-5-septato-guttulatis, hyalinis. — In foliis *Acanthi mollis*, Millis in Sardinia (MAGNUS). — *Septoria Acanthi* Thüm. sec. descriptionem vere diversa videtur.
132. *Phoma* (*Macrophoma*) *crustosa* Sacc. et Berl. — Peritheciis ad nodos culmorum dense crustaceo-aggregatis, nigris, globulosis, vix papillatis,  $\frac{1}{5}$  mill. d., sporulis oblongo-ellipsoideis, 28-32 = 10-12, granulosis, hyalinis, basidiis filiformibus paulo brevioribus suffultis. — In culmis *Triticum sativi* ad nodos, Fiumicello. — *Phoma* (*Macrophomae*) *Sacchari* (Cooke) Sacc. affinis.
133. *Leptothyrium ilicinum* Sacc., Syll. Fungi, III, p. 629 (Tab. II, f. 15). — In pag. inferiore foliorum *Quercus Ilicis* in Euganeis (BIZZOZERO).
134. *Trullata* (*Hormoeoccus*) *dothideoides* Sacc. et Berl. (Tab. IX, f. 33). — Acervulis perithecioideis, subsparsis, convexis, erumpentibus, atris, compactis,  $\frac{3}{4}$  mill. d., basidiis dense fasciculatis furcato-ramosis, prælongis, hyalinis in conidia cylindrica utrinque truncata, hyalina, 10-12 = 4 dilabentibus. — In cortice *Ulmis campestris* dejecto pr. Teolo Euganeorum.

**Uncigera** Sacc. nov. gen. (Etym. *uncus* et *gero*).

Hyphæ hyalinæ, longæ, ramosæ, assurgentes, basidia opposita v. verticillata sursum uncinata gerentes, hinc longe paniculatæ. Conidia cylindrica, solitaria in apice basidiorum, continua, hyalina.

135. *Uncigera Cordæ* Sacc. et Berl. (Tab. IX, f. 10). *Fusisporium uncigerum* Corda, Ic. fung. II, p. 10, f. 47. — In pag. inf. foliorum dejectorum Ulmi, Montecchia, Padova. — Conidia cylindrica recta, utrinque rotundata, sæpe 3-guttulata,  $20 = 3$ . Hyphæ septulatæ  $250-300 = 4$ .
136. *Chalara affinis* Sacc. et Berl. (Tab. IX, f. 11). — Candida, caespitulosus-effusa, subvelutina; basidiis fasciculatis, ex hyphulis repentibus oriundis, deorsum inflatis,  $40-50 = 6-7$ , subfuligineis; conidiis ex apice basidiorum exsurgentibus, cylindricis, utrinque truncatis,  $10-12 = 2$ , longe catenulatis. — In ramulis quercinis putrescentibus Montecchia Euganeorum. — *Chalaræ fungorum* affinis.
137. *Trichosporium splenicum* Sacc. et Berl. (T. IX, f. 14). — Effusum, velutinum, atrofusum; hyphis adscendentibus, continuis, olivaceo-fuligineis, peniculato-ramosis,  $120 = 3$ , ramis strictis, sursum asperulis, obovato-reniformibus,  $4-5 = 2,5-3$ , sæpe 1-guttulatis, olivaceo-fuscis. — In ligno putri, Montecchia, Padova. — A *Trich. toruloso* basidiis nullis v. obsolete distinctum.
138. *Helminthosporium teretiuseulum* Sacc. et Berl. (T. IX, f. 13). — Effusum, atro-olivaceum, tenue; hyphis seu basidiis cylindricis, 3-septatis, rectis,  $45-55 = 7-8$ , atrofuligineis; conidiis aerogenis, teretiuseulis, v. subfusoides,  $60-80 = 10$ , 10-11-septatis, subinde hinc v. inde leniter inflatis. — In ligno decorticato putri quercino, Montecchia, Padova.
139. *Menispora obtusa* Sacc. et Berl. (Tab. IX, f. 12). —

Effusa atro-olivacea, velutina; hyphis fertilibus strictis, septulatis, filiformibus, 350-400 = 4, olivaceo-fuliginis, sursum ramulos adscendentes breves hyalino-fascellos parce gerentibus; conidiis cylindraceo-allantoidis, utrinque rotundatis, obtusis, 22-24 = 5-6, pluriguttulatis v. 4-nucleatis spurieque 3-septatis, utrinque lateraliter aristatis, hyalinis — In ligno putri quercino, Cervarese, Padova. — Conidiis utrinque obtusis majoribus a *M. ciliata* differt.

140. *Monotospora sphaerocephala* B. et Br. — In ramis arborum in agro Patavino.

## EXPLICATIO ICONUM

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### VIII.

1. *Acanthostigma affine* S. et B.
2. *Læstadia Zaviana* S.
3. *Læstadia fuispora* S. et B.
4. *Bizzozzeria veneta* S. et B.
5. *Teichospora cervariensis* S. et B.
6. *Læstadia Polypodii* Sacc. et Magn.
7. *Diaporthe silvestris* S. et B.
8. *Auerswaldia Chamæropis* (Cooke) Sacc.
9. *Giboria ciliatospora* Fuck.

### IX.

10. *Uncigera Cordæ* Sacc. et Berl.
11. *Chalara affinis* S. et B.
12. *Menispora obtusa* S. et B.
13. *Helminthosporium teretiusculum* S. et B.
14. *Trichosporium splenicum* S. et B.
15. *Dothiorella datrypoides* S. et B.
16. *Leptothyrium ilicinum* S.
17. *Coniothyrium resinæ* S. et B.
18. *Scirrhia Groveana* S.

### X.

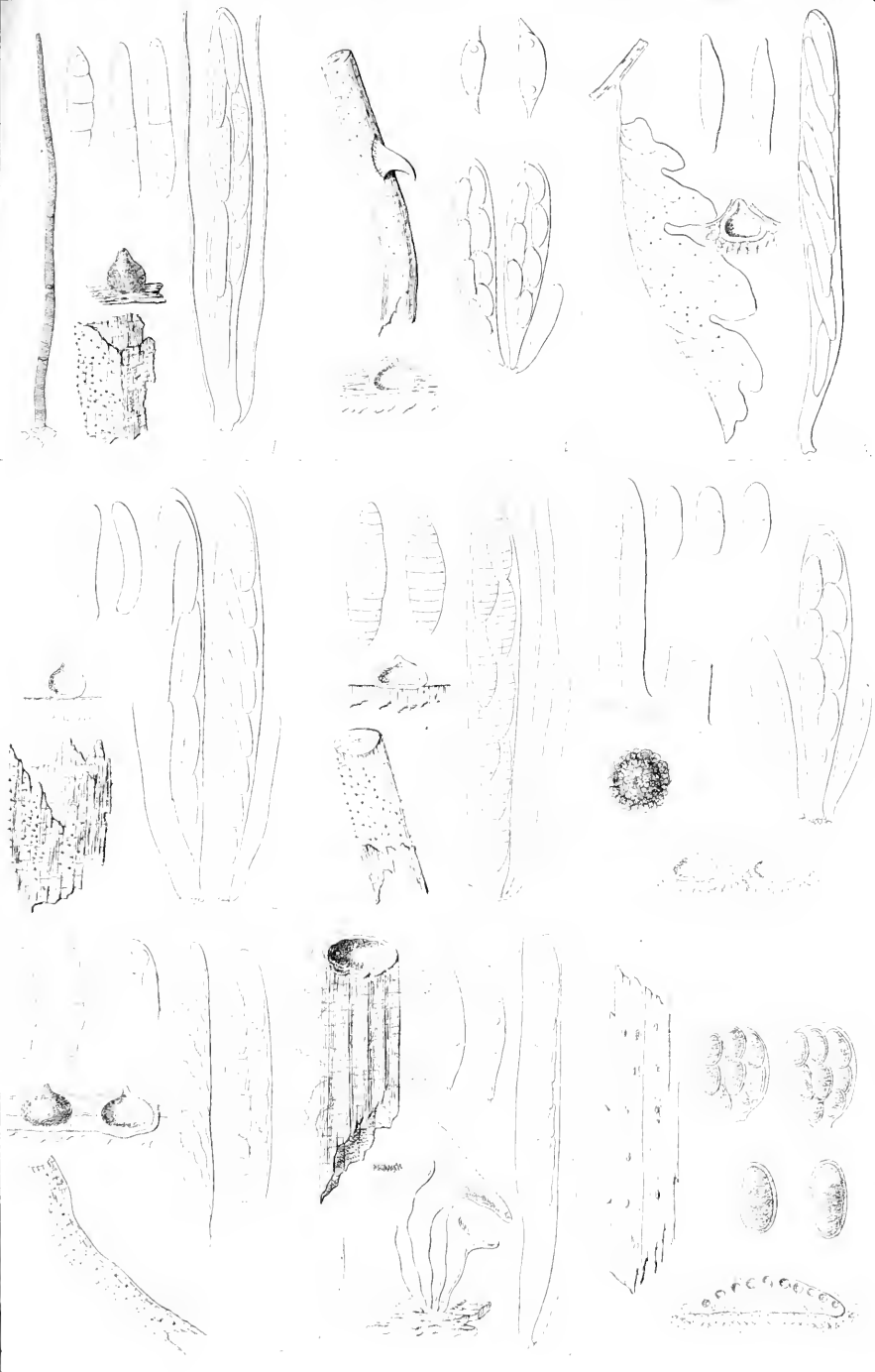
19. *Lasiosphæria Romeana* S. et B.
20. *Ophiobolus Morthieri* S. et B.
21. *Ophiobolus Penicillus* (Schum.) S.
22. *Metasphæria helvetica* S. et B.
23. *Zignoella jurana* S. et B.
24. *Teichospora oxythele* Sacc. et Briard.
25. *Mazzantia Brunaudiana* S. et B.
26. *Mazzantia sepium* S. et Penz.
27. *Ovularia corcellensis* S. et B.

### XI.

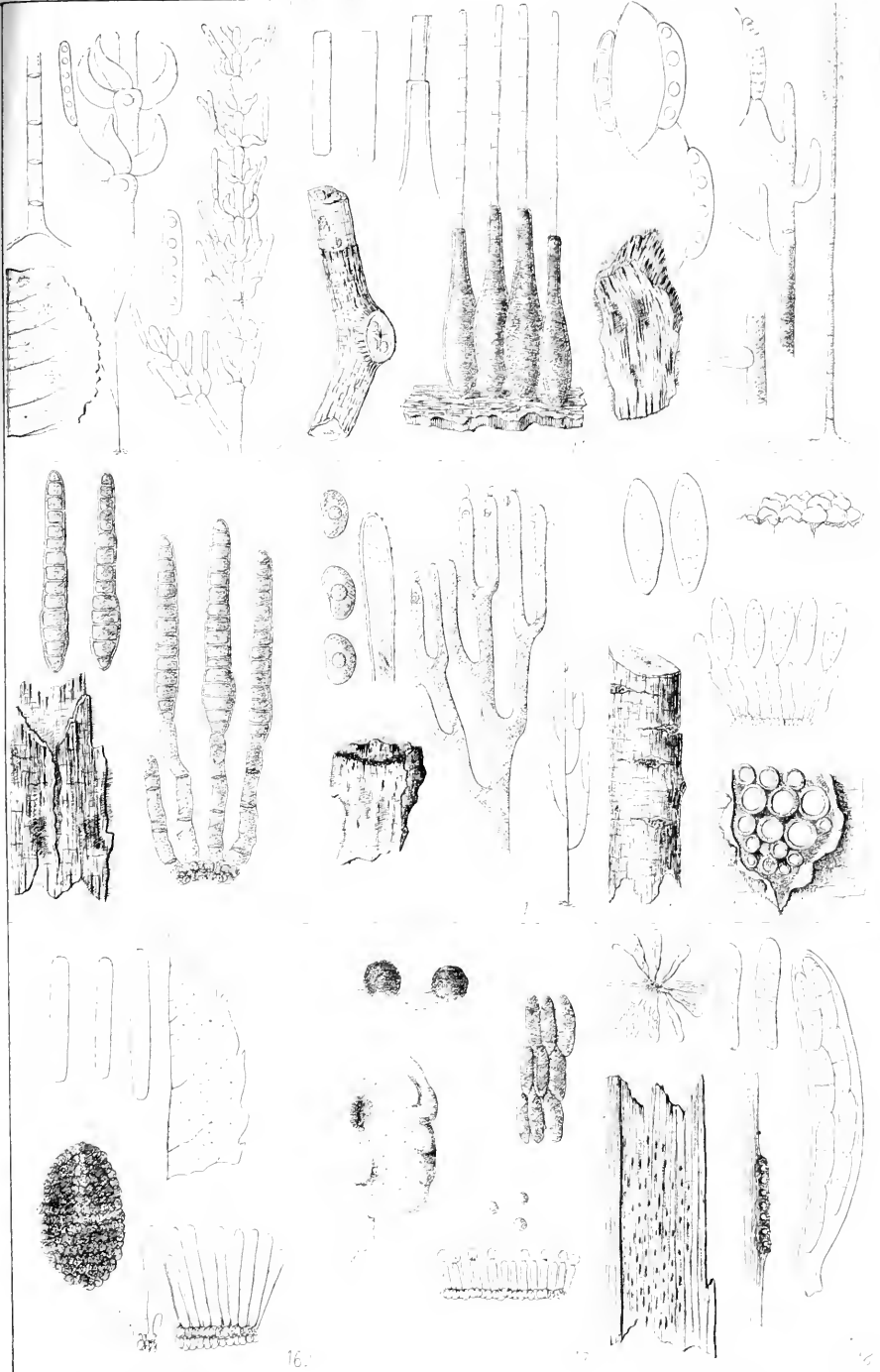
28. *Metasphæria Iejostega* (Ell.) Sacc.
29. *Valsaria atrata* S. et Briard.
30. *Stictis conigena* S. et Briard.
31. *Martindalia spironema* S. et Ellis.
32. *Pestalozzia phylostictea* S.
33. *Trullula dothideoides* S. et B.
34. *Botrytis cinerella* S. et Wint.
35. *Botrytis patula* S. et Berl.
36. *Periconiella velutina* (Wint.) Sacc.
- 34.<sup>b</sup> *Gleosporium septorioides* S.

(Estr. dal Tomo III, Serie VI degli Atti del R. Istituto veneto  
di scienze, lettere ed arti.)

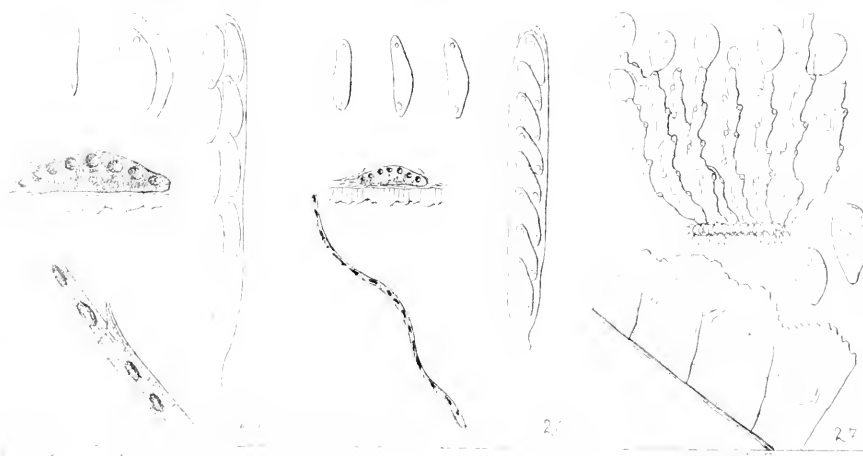
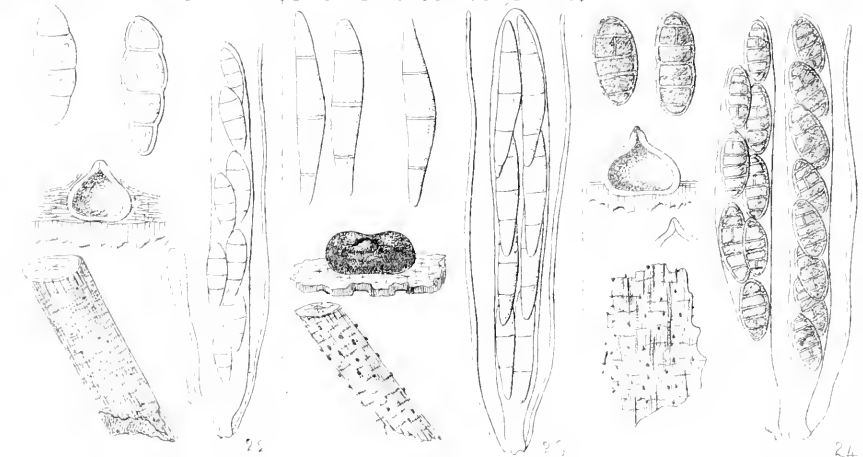
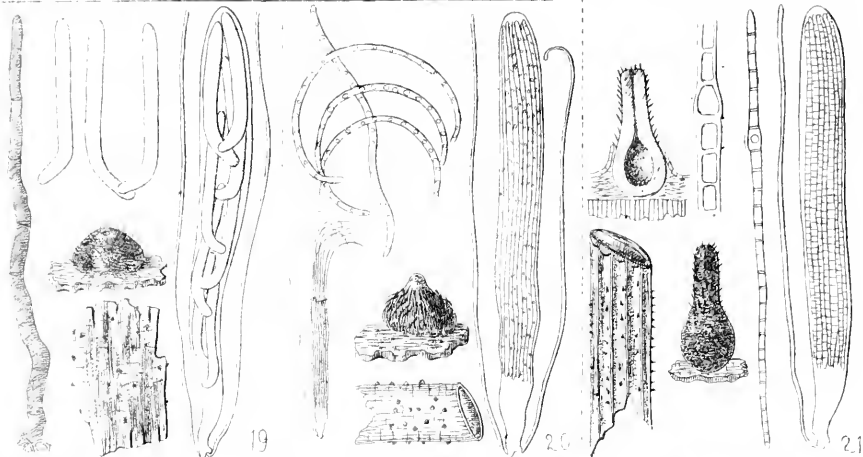




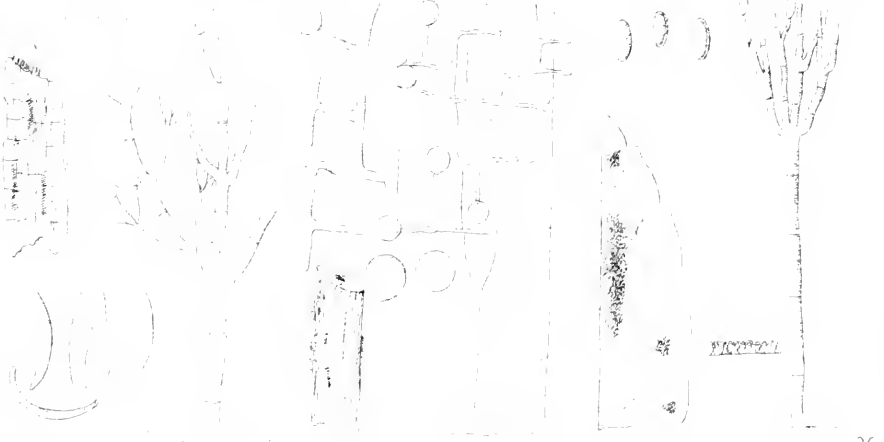
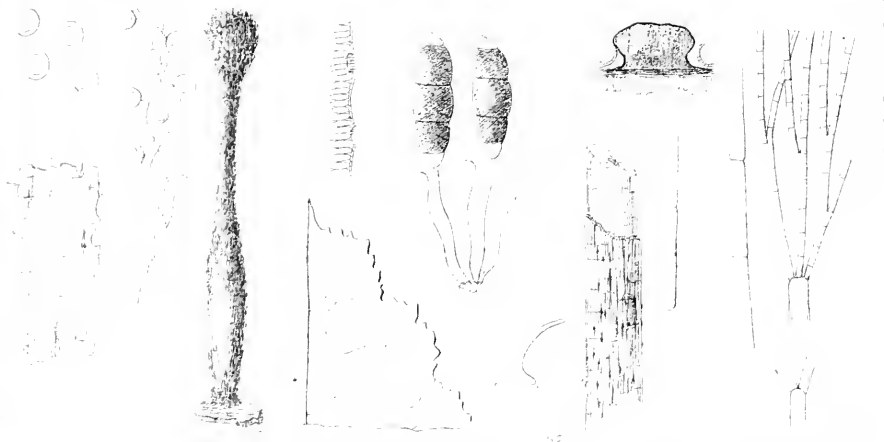
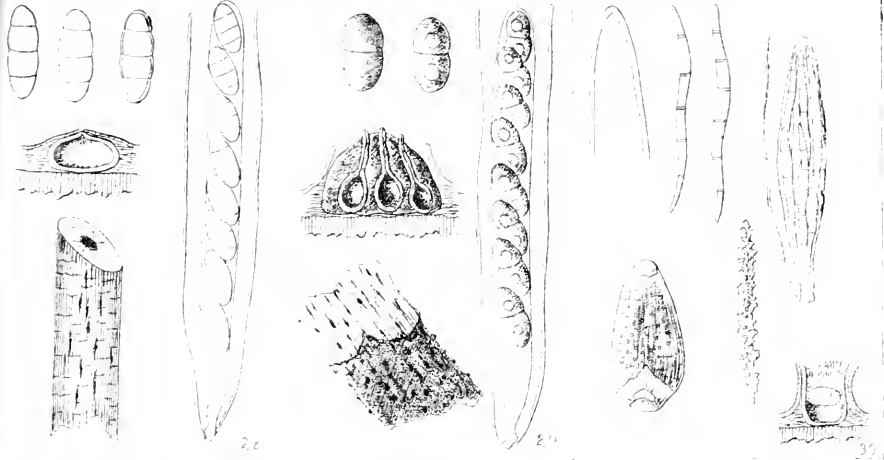
















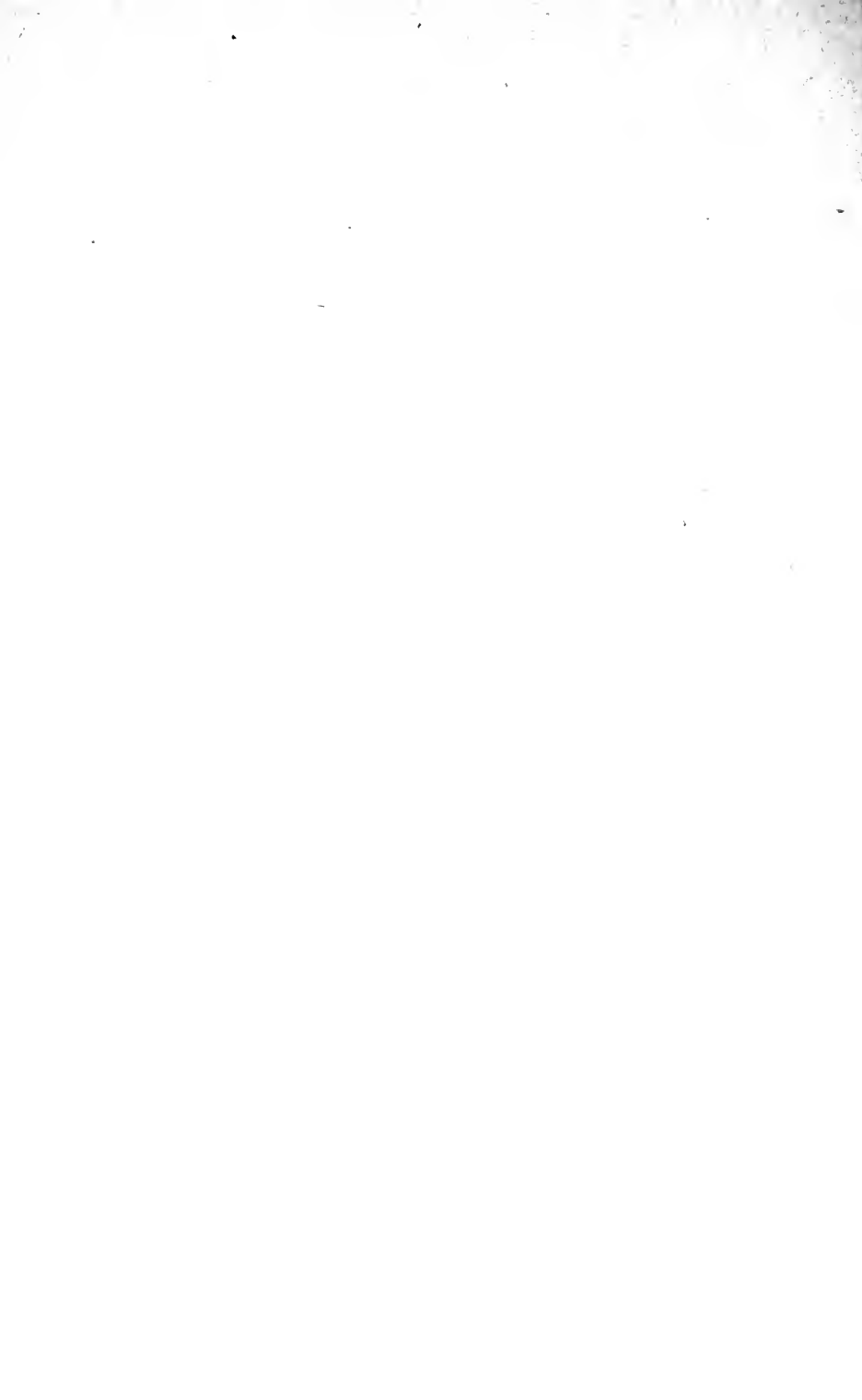












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