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VI.
SUPPLEMENTA
AD
LICHENÆAM AFRICANAM.

II.
ADDENDA ET CORRIGENDA
EX ANNIS 1893—94
SCRIPSIT
DR. E. STIZENBERGER.

1. In Usambara: Holst. Extra Africam etiam in Costarica.
- 5^{bis}. **Pyrenopsis robustula** Müll. Zambes. p. 5. — Saxicola in monte Kalandari regionis zambesicæ: Menyharth. — Endem.
12. Flagey exs. 195.
21. Typus in Abyssinia: Penzig, prope Borama in regione zambesica: Menyharth et in colonia Togo: Büttner; corticicola et saxicola in Usambara: Holst, F. Fischer.
22. Flagey exs. 189.
23. Flagey exs. 190 (*orbiculare* Schaer.).
25. Typus etiam in Nova Zelandia. Var. *granulatum* prope Mex in Aegypto mediterranea: Sickenberger.
31. Generi *Homodii* adnumerandum est (Nyl. in lit.). Flagey exs. 188 (typus).
35. Typus in Usambara: Holst et in monte Kilimandscharo: Volkens. Var. *cæsium* etiam in Brasilia.

- 37^{bis}. **Collema belenophorum** Nyl. Syn. Nov. Cal. p. 5. —
Corticicola in Usambara: Holst. — Extra Africam in
Nov.-Caled., Java, Japon.
41. In Usambara: Holst, Fischer et in Kamerun: J. Braun.
45. Flagey exs. 193.
46. Flagey exs. 194.
48. Flagey exs. 191, 192.
49. In monte Dongollo Abyssiniæ: Penzig, in monte Kili-
mandscharo: Volkens et in Usambara: Holst, prope
Borama in regione zambesica: Menyharth et in co-
lonia Togo: Büttner. — Var. **isidiosum** Müll. in Flora
1882 p. 392. — In Africa tropico-orientali: Meyer. —
Extra Africam in Java et Australia.
50. Etiam in Nova Zelandia.
51. In Usambara unacum formis cephalodiigera et isidiosa:
Holst.
52. Supra arborum truncos in Usambara: Holst.
- 52^{ter}. **Leptogium hypotrachynum** Müll. in Flora 1881
p. 81. — Corticicola in Usambara: Holst. — Extra
Africam in Queensland, Mexico.
56. Typus in Usambara: Holst. *F. fuliginosa* in Usam-
bara: Holst. Etiam in China media et in Nova Ze-
landia.
- 57—63. In genere *Stephanophori* ponenda sunt.
58. Corticicola in monte Dongollo Abyssiniæ: Penzig,
prope Borama in regione zambesica: Menyharth et
in colonia Togo: Büttner. Etiam in Nova Zelandia.
60. Typus extra Africam in Asia, Australia et America.
62. Etiam in Nova Zelandia.
67. Var. *isidiosum* prope Keren in Abyssinia: Penzig et in
Usambara: Holst. Var. *macrocarpum* in Africa tropico-
orientali: Stuhlmann, Holst. Var. *dædaleum* in monte

- Kilimandscharo: Volkens et in monte Tabulari. Extra Africam etiam in Columbia et Brasilia.
- 84^{bis}. **Calicium minimum** Bagl. Abyss. Penz. p. 7. — Supra thallum *Lecanoræ pallidæformis* in valle Abyssinica Ghinda: Penzig. — Endem.
85. In Promontorio Bonæ Spei.
88. In Usambara: Holst et in Transvaal teste Müll. Etiam in America merid.
- 88^{bis}. **Tylophoron moderatum** Nyl. in Bot. Zeit. 1862 p. 279. — Corticicola in Usambara: Holst. — Extra Africam in America tropica.
- 88^{ter}. **Tylophoron triloculare** Müll. Exot. 49. — Corticicola in Usambara: Holst. — Queensland.
89. In regione lacuum Africæ tropico-orientalis: Stuhlmann.
- 94^{bis}. **Bæomyces Holstii** Müll. in Engl. Jahrb. XX p. 243. — Supra terram in Usambara: Holst. — Endem.
- 99^{bis}. (Add. et Corrig. I). Typus in Africa orientali: Meyer. Extra Africam in Asia, Australia et America. — Var. *macrostoma* e monte Kilimandscharo censente Müller rectius nova varietas habenda et **St. ramul.** var. **Bornmülleri** (Stein über afr. Flechten II) Müll. in Engl. Jahrb. XV p. 512 nominanda. — Endem.
100. Etiam in Brasilia et Bolivia.
111. Etiam in China.
112. Flagey exs. 1.
113. Flagey exs. 2. In insulis Canariis.
116. Var. *pocillum*: Flagey exs. 6. Var. *chlorophæa* in monte Kamerun 2200 m: Preuss. Etiam in China.
117. In Algeria, Abyssinia et in insulis Teneriffa, Sancti Mauritii et Madagascar.

- 118^{bis}. **Cladonia subcariosa** Nyl. in Flora 1876 p. 530. — Teneriffa: Perraudière. — Eur., As., Nov.-Zel., Am. sept. (Eadem ac *Cladonia firma* a cel. Perraudière in Teneriffa lecta.)
119. Var. *tubæformis* etiam in Australia. Var. *radiata* in Algeria et in Usambara: Holst. F. *Balfourii* in regione Loango et in insulis Tristan d'Acunha et Nossi-be. Var. *pulverulenta* supra lignum putrefactum in Usambara: J. Fischer; etiam in Australia.
120. In insula Madera.
121. In insula Sancti Mauritii.
122. In Natalia et in insula Tristan d'Acunha.
123. Supra truncos et radices arborum putrescentes in monte Kamerun: J. Braun. Etiam in Australia.
125. In insula Madera.
127. Prope La Calle in Algeria et in insula Borbonia. — Var. **phyllophora** Flk. Clad. p. 28. — Supra saxa et scorias vulcanias in monte Kamerun: Preuss. — Distributa sicut typus.
- 127^{bis}. **C. cornuta** (L. Spec. p. 1152) Hffm. Pl. lich. I, 5 f. 1 p. p. — In insula Madera. — Cosmop.
129. Etiam in Nova Zelandia.
130. Var. **pleiolepis** Flk. Clad. p. 25. — Supra terram et ligna in Usambara: Holst. — In terris temperatis et calidioribus.
135. Typus: Flagey exs. 4 (*nivea* Ach.). In territorio lacuum Africæ tropico-orientalis: Stuhlmann. Var. *foliosa* Flagey exs. 5.
136. Typus in monte Kilimandscharo: Volkens. Extra Africam in Europa, Asia et America.
138. Var. **polychonia** Flk. Clad. p. 136. — In territorio

- lacuum Africæ tropico-orientalis: Stuhlmann. — Eur., Austr., Cayenne, Nov.-Granat.
144. Var. **trachypoda** Nyl. in Hbb. var. (*carcata* p. p.). — In monte Kilimandscharo: Volkens. — Eur., Austral.
145. Typus in Usambara: Holst. Var. *pulchella* etiam in Costarica.
- 147^{bis}. (Add. et Corrig. I). Ea quæ hoc loco typicæ formæ nomine appellatur arbitrato Mülleri rectius var. *intermedia* est putanda.
148. Typus in territorio lacuum Africæ tropico-orientalis: Stuhlmann. Var. *crispatula* etiam in Costarica.
150. Typus etiam in Costarica.
158. Etiam in Costarica.
165. Typus in Africa tropico-orientali: Holst, Fischer. Extra Africam in terris calidioribus.
166. Etiam in Nova Zelandia.
- 173^{bis}. In territorio lacuum Africæ tropico-orientalis: Stuhlmann et in Usambara: Holst.
174. Var. **canalicularis** Nyl. Ram. p. 28. — Supra arbores in Usambara: Holst. — Mexico, Chile, Antill.
175. In territorio lacuum Africæ tropico-orientalis: Stuhlmann, in monte Kilimandscharo: St. Paul-Illaire et in Usambara: Holst.
178. Var. **dendroides** Müll. in Flora 1883 p. 21. — Supra ramulos in Usambara: Holst. — In terris calidioribus.
186. Typus in Usambara: Holst.
190. Typus prope Gheleb in Abyssinia: Penzig et in terra Somali.
194. In Gebel Iswid et in sylva petrificata minore prope Kairo: Sickenberger. Arn. exs. 1539, Flagey exs. 7.
195. In Aegypto mediterranea occidentali: Sickenberger. Extra Africam in Arabia petræa.

211. Supra ramulos arborum in Usambara: Holst.
216. Typus etiam in Australia.
218. In Loanda: Menyharth, in Dar-es-Salem; in territorio lacuum Africæ tropico-orientalis: Fischer. — **F. angustata** Nyl. Syn. I. p. 261. — Ibidem. — Extra Africam in Java et in insulis Philippinis. — Var. *Peruviana* in Usambara: Holst. Extra Africam in Arabia Yemensis.
222. *F. sorethifera* etiam in Australia. Var. *densirostra* prope Bukoba in Africa tropico-orientali: Stuhlmann. — **F. fastuosa** Müll. in Flora 1889 p. 509. — Supra lapides in monte Kilimandscharo: Volken. — Argent. — **F. subcornuta** Müll. ibid. — In Africa orientali: F. Fischer. — Argent. — Var. *strigosa* in Usambara: Holst, Fischer, in Uganda: Stuhlmann. Complanatum monstrum var. *strigosæ* ex Abyssinia quod a cl. Müller (Exot. 1) *f. complanata* nuncupatur variis in herbariis sub nomine *Usneæ Schimperii* Lenorm. relatum vidi. — Var. *pulverulenta* prope Gheleb in Abyssinia: Penzig et in territorio lacuum Africæ tropico-orientalis: Stuhlmann. — Var. **australis** (Fr. S. O. V. p. 282) Müll. in Flora 1887 p. 57. — In territorio Pondo Africæ austro-orientalis: Bachmann, in monte Kamerun: J. Braun, Preuss. — Extra Africam in insulis Sandwich. — Var. **amblyoclada** Müll. in Flora 1889 p. 509. — In Africa tropico-orientali: Stuhlmann. — Extra Africam in Argentina. — Var. **myrioclada** Müll. in Engl. Jahrb. XX p. 244. — Supra ramos arborum in Usambara: Holst. — Endem. — Var. **asperrima** Müll. in Flora 1882 p. 299. — Supra ramos arborum in Usambara: Holst, in Natal et Sierra Leone. — Ind. or., Austral., Costarica, Brasil.
223. In Usambara: Holst.
225. Var. **elegans** (Stirt. in Shirl. Queensl. I p. 108). —

- Supra ramulos arborum in Usambara: Holst et in monte Kilimandscharo: St. Paul-Illaire. — Austral. — Var. **sorediosula** Müll. in Flora 1885 p. 499. — In Usambara: Holst. — In terris calidioribus hemisphæræ meridionalis. — Var. **incrassata** Müll. in Engl. Jahrb. XX p. 245. — In Usambara: Holst. — New South Wales. — Var. **hispidula** Müll. in Engl. Jahrb. XX p. 245. — Supra ramulos in Usambara: Holst. — Endem.
227. Typus in Usambara: Fischer. — Var. **annulata** Müll. Yatab. p. 191. — Supra extrema folia Pteridis: Holst. — Japon., Brasil.
228. Typus in territorio Pondo Africæ austro-orientalis: Bachmann, in Usambara: Holst, in territorio lacuum Africæ tropico-orientalis: Stuhlmann.
230. Var. *scabrosa* in territorio Pondo Africæ austro-orientalis: Bachmann. Extra Africam etiam in Japonia et Australia. Var. *aspera* etiam in India or. et in Australia.
- 233 et 237. Ambarum formæ typicæ in territorio Pondo: Bachmann, 233 etiam in Usagara: Stuhlmann.
234. In Sierra Leone: Preuss et in monte Kilimandscharo: Volkens.
238. Etiam in Nova Zelandia.
240. Etiam in America septentrionali pacifica.
241. Typus etiam in Nova Zelandia.
244. Nil nisi varietas quædam est speciei præcedentis.
- 254^{ter}. *Parmelia caperatula* ab Hannington, Stuhlmann et St. Paul-Illaire ex Africa orientali reportata etiam in India orientali et Peruvia. — Var. **glaucopis** Müll. in Engl. Jahrb. XX p. 258. — Corticicola in regione lacuum Africæ tropico-orientalis: Stuhlmann. — Endem.

267. Var. *stenophylloides* in Usambara: Holst. Etiam in China.
271. Etiam in Nova Zelandia.
278. Typus in Usambara: Holst et in territorio Zulu.
279. Prope 256 disponenda est.
280. Typus in Usambara: Holst. Var. *cetrata* in monte Kili-mandscharo: Meyer et in Usambara: Holst; eadem *sorediifera* in territorio Pongo Africæ austro-orientalis: Bachmann. Extra Africam etiam in Nova Zelandia. — F. **subisidiosa** Müll. in Engl. Jahrb. XX p. 256. — In Usambara: Holst. — Cuba, Portorico, Caracas. — Var. *ulophylla* etiam in Australia.
- 280^{bis}. **Parmelia Schimper** Müll. Exot. 2. — Corticicola variis locis in Abyssinia: Schimper. — Endem.
282. F. *sorediifera* in Usambara: Holst et in regione lacuum Africæ tropico-orientalis: Stuhlmann. F. *corallina* in Usambara: Holst. — Var. **xanthina** f. **isidiosa** Müll. Schenck. p. 71. — In Usambara: Holst et in Madagascarea. — Extra Africam in America calidiore. — F. *dissectula* et var. *xanthina* etiam in Costarica.
- 282^{bis}. **Parmelia nitens** Müll. in Engl. Jahrb. XX p. 255 cum f. *isidiosa*. — In regione lacuum Africæ tropico-orientalis: Stuhlmann. — Endem.
283. In Usambara: Fischer, Holst, in regione lacuum: Stuhlmann, in Kamerun: J. Braun et in insula Bourbonia. Var. *argentina* in Africa tropico-orientali: Stuhlmann.
284. Prope Gheleb in Abyssinia (in apotheciis ejus viget *Celidium Stictarum*): Penzig et in Usambara: Holst.
- 285^{bis}. **Parmelia Zollingeri** Hepp in Zoll. Verz. p. 7. —

- In regione zambesica: Menyharth. — Extra Africam in Java.
- 285^{ter.} **Parmelia zambesica** Müll. Zamb. p. 2. — Cum priore. — Endem.
286. Typus in regione lacuum Africæ tropico-orientalis: Stuhlmann.
292. Typus in Kamerun: J. Braun, extra Africam etiam in Nova Zelandia. F. *sorediata* in Africa tropico-orientali: Meyer, Fischer, in monte Kamerun: Preuss et in insula Madera: Mandon. Extra Africam in Manipur et in Antillis. — Var. **ciliata** Nyl. Syn. I p. 380. — Ad terminum arborum in monte Kilimandscharo 3000—4000 m: Meyer, in Usambara: Holst. — Ind. or., Philippin., Austral., Antill., Amer. austr.
294. *Parmelia urceolata* vera supra ramos arborum in Usagara: Stuhlmann et in Abyssinia. Extra Africam in Antillis et in America meridionali. F. *sorediifera* in Africa tropico-orientali: Stuhlmann, Holst. Extra Africam in terris calidioribus. — Var. **cladonioides** Müll. in Flora 1880 p. 266. — Ramulicola in Usambara: Holst. — Montevideo, Brasil. merid.
- 294^{bis.} *Parmelia Hildenbrandti* (ff. *nuda* et *sorediosa*) late distributa in Africa orientali ab Abyssinia ad insulam Madagascar. — Var. **ciliata** Müll. in Engl. Jahrb. XX p. 255. — In Africa tropico-orientali: Fischer, Holst, Volkens. — Endem.
296. Corticicola in monte Abyssinico Lalambo: Penzig.
298. *Parmelia abyssinica* var. *nuda* Müll. in Flora 1879 p. 289 testimonio auctoris ipsius (Müll. l. c. 1880 p. 165) est idem lichen ac hæc *P. africana*, contra quæ datur *P. abyssinica* var. *nuda* in Bagl. Abyss. Penz. p. 3 rectius *P. abyssinica* typica esse videtur.

- 298^{bis}. **Parmelia tenuirimis** Tayl. in Journ. Bot. 1844 p. 645 f. **sorediata** Müll. in Engl. Jahrb. XX p. 258. — Corticicola in Usambara: Holst. — Endem. (Typus in Nov.-Holl., Tasman., Nov.-Zeland.).
299. Prope Bukoba in Africa tropico-orientali: Meyer, Stuhlmann, in Usambara: Holst et in monte Kilimandscharo: St. Paul-Illaire, in regione zambesica: Menyharth. Etiam in Australia.
300. In regione sansibarica: Meyer et zambesica: Menyharth, in monte Kilimandscharo: Volkens, in Usambara: Holst et in monte Kamerun: J. Braun. Extra Africam etiam in Nova Zelandia.
301. Typus in insulis Canariis, Madagascar et in monte Kilimandscharo: St. Paul-Illaire. Var. *rimulosa* in regionibus sansibarica: Meyer et zambesica: Menyharth, in monte Kilimandscharo: St. Paul-Illaire. Extra Africam etiam in Australia et in Costarica. Var. *hypoleuca* in Usambara: Holst. — Var. **sulfurosa** Tuck. North-Am. p. 57. — In Usambara: Holst et in monte Kilimandscharo: St. Paul-Illaire. — Illinois.
302. Var. **latifolia** (Anzi Lang. 256 nota, Arn. in Flora 1882 p. 131). — Corticicola in monte Seban prope Keren in Abyssinia: Penzig. — Europa.
303. Flagey exs. 11.
304. In Usambara: Holst, in regione lacuum Africae tropico-orientalis: Stuhlmann.
307. In Africa tropico-orientali: Meyer, Stuhlmann. — F. **isidiosa** Müll. in Flora 1891 p. 377. — In Usambara: Holst. — Nilgheries, Antill., Costar.
- 307^{bis}. (Denuo Add. et Corrig.). Rectius inter *P. subaequantem* et *Kamtschadalem* inserenda est.

308. In Usambara: Holst et in insula Borbonia; extra Africam etiam in Otahaiti.
311. Etiam in Nova Zelandia.
312. Etiam in Australia.
- 317^{bis}. **Parmelia limbata** Laur. in Linn. 1827 p. 39. — Corticicola in Usambara: Holst et in insula St. Mauritii. — Australia.
- 318^{bis}. Var. **isidiosa** Müll. Parag. p. 4. — Usambara: Holst. — Paraguay.
- 318^{ter}. **Parmelia Malaccensis** Nyl. in Cromb. East. As. p. 52. — Corticicola in Usambara: Holst. — Malacc.
320. In Usambara: Holst et in regione lacuum: Stuhlmann. Etiam in Nova Zelandia.
- 323^{bis}. **Parmelia Kamtschadalis** (Ach. Syn. p. 223) Eschw. Bras. p. 202 var. **americana** (Mey.-Fw. in N. Act. Leop. XIX Suppl. I p. 211) Nyl. Syn. I p. 287. — In Africa tropico-orientali: Meyer. — America utraque.
325. Typus etiam in Australia. — Var. **lævis** Nyl. Syn. I p. 289. — In monte Kilimandscharo: Meyer. — Europa.
332. Flagey exs. 13.
335. Extra Africam in Nova Hollandia.
- 337^{bis}. **Parmelia glabrizans** Flag. — In fissuris rupium calcariarum ad Sidi Mabruk prope Constantine: Flagey exs. 12. — Endem.
- 348^{bis}. **Stictina membranacea** Müll. in Engl. Jahrb. XV p. 514. — Supra truncos arborum in monte Kilimandscharo 1800—3000 m: Meyer et prope Baziya in Africa austro-orientali: Baur. — Endem.
348. Typus in Usambara: Holst. *F. aspera* in Usambara: Holst, etiam in Nukahiva et in insula Juan

- Fernandez. *F. flavescens* in Usambara: Holst. Var. *sorediifera* in Usambara: Holst, Fischer.
352. Typus in Usambara: Holst, Borbonia, Old Calabar, extra Africam etiam in Nova Zelandia.
354. In territorio Pongo Africae austro-orientalis: Bachmann. — Etiam in Java, Australia, Tasmania.
356. Var. *xantholoma* in Usambara: Holst, extra Africam in Java, Nov. Zeland, Brasil., Cayenne. Var. *aurigera* in territorio Pongo Africae austro-orientalis: Bachmann. Extra Africam etiam in Nova Zelandia.
358. Typus in Usambara: Holst. — *F. Beauvoisii* (Del. Stict. p. 83) Nyl. Syn. I p. 345. — In Africa orientali. — Austral., Amer. trop.
360. Typus in monte Kamerun: Preuss, in insula Fernando Po: Mann, in Abyssinia: Schimper et in monte Kilimandscharo: Meyer, Volkens. Etiam in Argentina.
361. Var. *umbilicariaeformis* in regione lacuum: Stuhlmann.
362. In Usambara: Holst, in monte Kilimandscharo: Volkens.
367. Typus etiam in Nova Zelandia. *F. isidiosa* in Usambara: Holst et in Natal; extra Africam etiam in China.
369. Typus in Usambara: Holst. Var. *papillaris* in Usambara: Holst et in monte Kilimandscharo: Volkens; etiam in China.
371. Typus etiam in Nova Caledonia et Nova Zelandia.
376. Typus in Usambara: Holst. — Var. **Boryana** (Del. Stict. p. 102) Nyl. Syn. I p. 358. — In insulis Borbonia et Madagascar. — Endem.
377. Delenda.
379. In territorio Pongo Africae austro-orientalis: Bachmann et in Usambara: Holst.
- 379^{bis}. **Sticta Volkensii** Müll. in Engl. Jahrb. XX p. 252. — Supra truncos *Erythrinae* in monte Kilimandscharo:

- Volgens. — Endem. — *F. limbata* Müll. ib. p. 253.
 — Cum typo: Volgens. — Endem.
383. **Ricasolia Holstiana** (Müll. in Engl. Jahrb. XX p. 253).
 — Supra arbores in Usambara: Holst. — Endem.
389. In colonia Togo: Büttner et in Usambara: Holst.
392. Supra ramulos in Usambara: Holst.
394. Flagey exs. 8.
396. In regione lacuum: Stuhlmann.
397. In Africa tropico-orientali: Meyer.
398. *F. minor* (*spuria* Krb.) in monte Kilimandscharo:
 Volgens. — Var. **ulophylla** Wllr. Fl. Germ. II p. 559.
 — Supra saxa silicea in monte Fdules in Algeria:
 Flagey exs. 9. — Europa.
400. In regione lacuum: Stuhlmann. Extra Africam etiam
 in Japonia.
- 400^{bis}. **Peltigera leptoderma** Nyl. Syn. I p. 325. — Supra
 terram in Usambara: Holst. — Nov. Granat., Brasil. merid.
402. Var. **microcarpa** (Pers. ap. Ach. L. U. p. 520) Schaer.
 En. p. 21. — In regione lacuum: Stuhlmann. — Extra
 Africam unacum typo.
403. In monte Kilimandscharo: Volgens et in regione la-
 cuum: Stuhlmann.
- 403^{bis}. **Peltigera scutata** (Dicks. Cr. Brit. III p. 18) Fw.
 L. Sil. II p. 125. — In regione lacuum: Stuhlmann.
 — Distrib. sicut *P. polydactyla*.
408. Var. *intermedia* in Usambara: Meyer, Holst et in
 territorio Pondo Africæ austro-orientalis: Bachmann.
 Var. *crocea* in territorio Pondo: Bachmann.
409. In Usambara: Holst et in monte Kilimandscharo:
 Volgens.
410. Supra cortices et saxa prope Kitangule in Africa
 orientali: Stuhlmann.

411. Flagey exs. 17.
414. Var. *pubera* etiam in America calidiore. Var. *denu- data* etiam in Nova Zelandia.
415. Typus in terra Somali. Flagey exs. 14. Var. *imbri- cata*: Flagey exs. 15. Var. *aureola*: Flagey exs. 16. Var. *subgranulosa* supra formationes calcis recentiores prope Abusir, Mex et Mariut in Aegypto mediterranea occidentali: Sickenberger.
417. Supra ramulos *Lycii* prope Ras el Kanais in Aegypto mediterranea occidentali: Sickenberger.
422. F. macrospora sporis longit. 0,033-45, crassit. 0,015-20 mm supra ramulos in terra Somali.
423. *Ph. villosæ* nimis vicina. Thallus K—.
424. Typus: Flagey exs. 18.
425. Typus in territorio Pondo: Bachmann. Var. *angusti- folia* in monte Kamerun: Preuss et in Africa tropico- orientali: Stuhlmann.
- 425^{bis}. **Physcia latifolia** (Mey.-Fw. in Nov. Act. Leop. XIX, Suppl. I p. 221) Nyl. in Flora 1869 p. 322. — In Usambara: Holst, in regione lacuum: Stuhlmann, in insula Sancti Mauritii. — Zeylan., Caracas, Brasil.
426. In Natal. Extra Africam in terris calidioribus; etiam in Costarica.
- 426^{bis}. **Physcia comosa** (Eschw. Bras. p. 199) Nyl. Syn. I p. 416. — In monte Kilimandscharo: Volkens. — In omnibus terris calidioribus præsertim in Americ. merid.
427. Ille idem lichen nomine *P. podocarpa* jam antea re- latus hoc loco delendus est.
429. FF. **sorediosa** Müll. in Flora 1883 p. 78 et **isidio- phora** Nyl. Syn. I p. 417 in Africa tropico-orientali: Holst, Stuhlmann. — In terris calidioribus Asiæ, Austral. et Amer. — Var. **angustiloba** Müll. in Flora 1883

- p. 78. — In Usambara: Holst. — In terris calidioribus. — FF. *pulvinigera* et *coralligera* in Africa tropico-orientali. Var. *cinerascens* prope Bukoba in Africa tropico-orientali: Stuhlmann. — Var. **lineariloba** Müll. in Engl. Jahrb. XV p. 508. — Supra saxa in territorio Njansa: Stuhlmann. — Endem. — Var. **tremulans** Müll. in Flora 1880 p. 277. — In monte Kamerun: Preuss, in colonia Togo: Büttner. — Java, Nov.-Holland, Amer. calidior.
430. Supra ramulos in terra Somali, in Usambara: Holst, in regione lacuum: Stuhlmann. Var. *granulifera* in Usambara: Holst.
432. F. *tenuior* accuratius *casiocrocata* Menz. MS. nuncupanda.
433. Typus: Flagey exs. 23, 24. F. *angustata* etiam in Australia.
435. Flagey exs. 25, 26.
436. Flagey exs. 27.
437. Idem Lichen ac *P. aegialita* Ach. Etiam *Lecanora Ascensionis* (Müll.) nil nisi *P. aegialita* minus evoluta est.
438. Prope Dar-es-Salam: Holst. Extra Africam in montibus Nilgherries et in America centrali.
439. In Usambara: Holst.
440. In Usambara: Holst. Etiam in Amboina. — F. **sorediosa** Wainio Bras. I p. 142. — In Usambara: Holst. — Extra Africam in Brasil.
441. Var. *leptalea*: Flagey exs. 21. Var. *subobscura* etiam in America boreali; var. *rosulata* extra Africam etiam in Nova Zelandia.
442. Flagey exs. 19, 20.
444. Typus: Flagey exs. 22. — Var. **acrita** (Ach. L. U. p. 447)

- Hue Canisy I p. 33. — In regione zambesica: Menyharth et in Usambara: Holst. — Europ.
447. Etiam in Amboina.
448. Typus super saxa maritima prope Djidjilli in Algeria: Flagey exs. 28. Etiam in Asia boreali et in Nova Zelandia.
450. Typus in Usambara: Holst; Flagey exs. 30, 31 (*cyclo-selis*). Var. *chloantha*: Flagey exs. 29. Var. *virella* prope Constantine: Flagey exs. 32, 33. Eadem etiam in Nova Hollandia. — Var. **erythrocardia** Tuck. Obs. I p. 399. — Usambara: Holst. — America utraque.
- 456^{bis}. **Physcia abbreviata** Müll. in Engl. Jahrb. XX p. 260. — Corticicola in Usambara: Holst. — Endem.
457. Forma est sequentis; extra Africam etiam in Nova Granata et in Nova Zelandia.
458. In regione zambesica: Menyharth. — Var. **pyrithrocardia** Müll. in Flora 1880 p. 278. — In regione zambesica: Menyharth. — Caracas.
462. Typus in Usambara: Holst et in Madagascar. — F. **vitellina** Müll. in Engl. Jahrb. XX p. 260. — In Usambara: Holst. — Endem.
463. Extra Africam in Cuba.
- 463^{bis}. **Physcia ochroleuca** Müll. (in Flora 1881 p. 507) Zamb. p. 2. — In regione zambesica: Menyharth. — Brasil.
464. Typus et f. *sorediata* in Sierra Leone: Scott-Elliot et in Africa tropico-orientali: Menyharth, Holst. — F. **flavicans** Müll. in Engl. Jahrb. XX p. 261. — In monte Kilimandscharo: St. Paul-Illaire. — Endem. — F. *erythrocardia* in Sierra-Leone: Scott-Elliot, Vivi ad flumen Kongo, Sagani, Tschamtei, Transvaal; in Usam-

- bara: Holst et in monte Kilimandscharo: St. Paul-Illaire. *F. isidiophora* etiam in Costarica.
466. Est *P. pictæ* var.
468. In Usambara: Holst, in regione zambesica: Menyharth et in Transvaalia. Etiam in Costarica. — Cfr. 437 supra.
- 468^{bis}. **Physcia flava** Müll. in Hedw. 1892 p. 277. — Supra lavam in insula Ascensionis: H. J. Gordon. — Endem.
469. Typus in colonia Togo: Büttner, in Usambara: Holst et in monte Kilimandscharo: St. Paul-Illaire. Etiam in Nova Caledonia. Varr. *endoleuca* et *sorediosa* in Africa tropico-orientali: Menyharth, Holst, Fischer.
470. Typus et var. *isidiophora* etiam in Costarica. — Var. **convexior** Müll. in Engl. Jahrb. XX p. 262. — In Usambara: Holst. — Endem.
471. Supra cortices in monte Abyssinico Dongollo: Penzig.
- 471^{bis}. **Pyxine Eschweileri** (Tuck. Obs. IV p. 167) Wain. Brés. I p. 156. — In Usambara: Holst. — Brasil.
472. *F. isidiigera* Müll. in Engl. Jahrb. XX p. 262. — Corticicola in Usambara: Holst. — Endem.
480. Etiam in China.
481. Loco „(Mad. 20)“ legendum est „(Mad. 21)“.
487. Typus in Usambara: Holst. — *F. isidiosa* Müll. in Engl. Jahrb. XX p. 263. — In Usambara Holst. — In terris calidioribus, etiam in Nov. Hollandia. — Var. *tenuior* in Usambara: Holst. — Var. **semiincisa** Müll. in Flora 1882 p. 321. — In colonia Togo: Büttner, in Usambara: Holst. — Philipp., Austral., Cuba. — Var. **isidiophylla** Müll. l. c. — In rimis rupium humidarum prope Towasi in Africa tropico-orientali: Stuhlmann, in Usambara: Holst. — In terris calidis.

- 487^{bis}. **Coccocarpia smaragdina** Pers. in Gaud. Uran. p. 206. — Usambara: Holst. — In terris calidioribus.
488. Etiam in Nova Caledonia.
- 492^{bis}. **Pannaria macrocarpa** Müll. in Hedw. 1892 p. 277. — In insula Sancti Mauritii corticicola: Ayres. — Endem.
493. In monte Kamerun: J. Braun. — **F. isidioidea** Müll. Otah. — In Usambara: Holst. — Otahaiti.
494. Typus in Africa tropico-orientali: Meyer, Holst. Var. *conoplea* etiam in Nova Zelandia.
- 494^{bis}. **Pannaria fulvescens** (Mnt. in Ann. sc. nat. 3, X p. 125) Nyl. Syn. II p. 28. — Corticicola in Usambara: Holst et in Borbonia. — Zeylan., Philipp., ins. Sund., Polynes., Fret. Magell.
- 497^{bis}. **Pannularia rubiginascens** Nyl. in Cromb. Austr. p. 397. — Corticicola in Usambara: Holst. — Austral., Brasil.
498. Typus supra infimos *Quercuum* truncos in monte Fdules in Algeria: Flagey exs. 87.
499. Etiam in Australia.
500. Etiam in Mexico et in Nova Zelandia.
502. Etiam in Nova Zelandia.
505. Etiam in Nova Caledonia.
519. In monte Kanduliri regionis zambesicæ: Menyharth, etiam in Australia.
521. In monte Kanduliri regionis zambesicæ: Menyharth et supra terram in Usambara: Holst.
524. In insula Sancti Thomæ: Menyharth.
527. Typus: Flagey exs. 34—36. — Var. **melaloma** (Ach. Meth. p. 184) Schaer. En. p. 58. — In Abyssinia. — Europa. — *F. liparia* in Abyssinia.
528. Flagey exs. 37.

529. Flagey exs. 38.
530. In regionibus editioribus Africae tropico-orientalis: Meyer.
- 533^{bis}. **Lecanora Renaudiana** Flag. sub Psoroma. — Supra saxa calcaria ad Sidi Mecid prope Constantine: Flagey exs. 41. — Endem.
534. Typus: Flagey exs. 42. Var. *diffracta*: Flagey exs. 44. Var. *versicolor*: Flagey exs. 43. — Var. **Garovaglii** Krb. Pg. p. 54. — In Algeria. — Europa.
536. Flagey exs. 45.
537. Etiam in Palæstina.
541. Flagey exs. 39. Etiam in Nova Zelandia.
542. Flagey exs. 63.
- 542^{bis}. **Lecanora lubrica**. Thallus vitellinus passim dealbatus, granuloso-microphyllinus vix effiguratus, affuso hydrate kalino purpureus. Apothecia conferta sessilia lecanorina minora (diam. circa 0,3 mm) margine crasso subinflexo integro, disco ceraceo concavo mox plano, paraphysibus discretis, thecis 8-sporis. Sporæ simplices ellipticæ longit. 0,012-15 mm, crassit. 0,005-8 mm (duplo ad duplum et dimidium longiores quam crassæ). *L. fulgidæ* Nyl. affinis videtur. — Inter muscos minores supra terram prope Mariut in Aegypto mediterranea: Sickenberger. — Endem.
546. Typus etiam in Nova Zelandia. Var. *tenuis* in Africa tropico-orientali: Meyer.
547. Flagey exs. 54.
549. Flagey exs. 52.
553. Typus: Flagey exs. 60 (corticicola). Var. *decipiens*: Flagey exs. 57 (status leprosus). Var. *obliterata*: Flagey exs. 62. Monitu Nylanderis hæc aptius in specie *L. lobulata* ponenda est. Extra Africam etiam in Australia.

558. Flagey exs. 51. Etiam in Australia.
559. Typus prope Ras el Kanais in Aegypto marmarica et in Gebel Iswid prope Kairo: Sickenberger.
560. Flagey exs. 50.
561. Typus sterilis prope Ras el Kanais: Sickenberger. Flagey exs. 53.
- 561^{bis}. **Lecanora cirrhochroa** Ach. Syn. p. 181. — Forma sterilis prope Kahiram in Aegypto: Sickenberger. — Europ., Amer. utraque.
566. Loco „Endem.“ lege: „Arabia Yemensis“.
567. Flagey exs. 65, 66.
568. Flagey exs. 67 (calcicola), 68 (silicicola).
570. Typus in sylva petrificata minore prope Kairo, extra Africam etiam in Australia.
571. Typus in Africa tropico- et austro-orientali: Bachmann, Menyharth, Stuhlmann. — Var. **opaca** Müll. in Flora 1881 p. 514. — In regione zambesica: Menyharth. — Paraguay.
574. *F. dealbata* in Africa tropico-orientali: Meyer. Typus, ff. *fulva* et *dealbata* etiam in Nova Hollandia. — Var. **africana** Flag. calcicola prope Constantine et Azeba in Algeria: Flagey exs. 72. — Endem. — Var. **rubescens** (Ach. Meth. p. 69) Nyl. Scand. p. 142. — Prope Constantine: Flagey exs. 73. — Europa.
- 578^{bis}. **Lecanora zambesica** Müll. Zamb. p. 3. — Saxicola in regione zambesica: Menyharth. — Endem.
- 578^{ter}. **Lecanora flava** Müll. Zamb. p. 3. — Saxicola in monte Nhasinde regionis zambesicæ: Menyharth. — Endem.
580. Typus: Flagey exs. 84. Etiam in India occidentali.
581. Corticicola in regione zambesica: Menyharth et zanzibarica: Meyer.

- 584^{bis}. **Lecanora crocina** (Kremplh. Argent. p. 23). — Corticicola in monte Kilimandscharo: St. Paul-Illaire et in Usambara: Holst. — Amer. merid.
592. Flagey exs. 71.
594. Saxicola in monte Kanduliri regionis zambesicæ: Menyharth.
- 594^{bis}. **Lecanora Stuhlmanni** (Müll. in Engl. Jahrb. XX p. 275). — Supra lapides in regione lacuum tropico-orientalium: Stuhlmann. — Endem.
597. In monte Abyssinico Lalamba: Penzig.
601. Typus supra ramulos *Lycii* prope Mariut in Aegypto mediterranea et supra cortices in monte Abyssinico Lalamba: Penzig; Flagey exs. 74 (supra cortices) et 75 (supra saxa arenacea). Extra Africam etiam in Nova Hollandia. Var. *pyrithroma* prope Mariut et Abusir in Aegypto mediterranea: Sickenberger, etiam in Nova Hollandia.
604. In Usambara: Holst.
605. Pro nomine *subceratæ* Stzb. Nylander in Hue Exot. 1208 nomen *cerodis* habet.
- 606^{bis}. **Lecanora Delilei** Stnr. Beitr. p. 18. — Calcicola in monte Mokatam: Kerner fil. — Endem.
607. Etiam in Australia.
612. Typus in Usambara: Holst. Var. *obscurata* corticicola et *Sphæria epicymatia* Willr. infestata ad Ras el Kanais in Aegypto marmarea: Sickenberger. Typus et var. *obscurata* etiam in Nova Hollandia.
613. Etiam in Corsica.
615. Flagey exs. 69.
617. Typus: Flagey exs. 78 (var. *candida* prorsus non sustinenda), 79 (thallo verrucoso-bullato lecta ad Aïn-Tinn in Algeria). — Var. **percæna** (Ach. Syn. p. 29). — In Algeria. — Europa.

624. Prope Mex in Aegypto inferiore: Sickenberger.
 625. Flagey exs. 85.
 626. Flagey exs. 86.
 627. Typus corticicola in Usambara: Holst, extra Africam
 in Nov.-Granat.
 635. Flagey exs. 80.
 636. Etiam in monte Ararat et in Argentina.
 638. In regione zambesica: Menyharth et in Usambara:
 Holst; etiam in Australia.
 639. Flagey exs. 83.
 640. Calcicola prope Mariut in Aegypto mediterranea:
 Sickenberger. Flagey exs. 81.
 643. Cfr. 437 supra.
 647. *Lecanoræ sophodi* valde affinis est *Lecidea Quintana*
 quæ nunc a cl. Nylander in *Lecanoris* ponitur.
 649. Flagey exs. 95 (*pyrina* Fr.-fil. Scand. p. 201).
 650. Corticicola prope Gheleb in Abyssinia: Penzig.
 655. Flagey exs. 93, 94.
 657. Flagey exs. 92.
 658^{bis}. **Lecanora ocellata** (Hffm. Pl. lich. 4 p. 92) Nyl.
 in Flora 1872 p. 428. — Supra saxa calcaria prope
 Constantine: Flagey exs. 97. — Europa.
 659. Typus: Flagey exs. 88.
 659^{bis}. **Lecanora colobina** Ach. L. U. p. 358 non Syn.
 p. 152. — Supra corticem *Quercus* in Djebel Wasch:
 Flagey exs. 96. — Europa.
 660^{bis}. **Lecanora conspersa** (Müll. in Flora 1889 p. 511).
 — Saxicola in regione zambesica: Menyharth. — Ar-
 gentin.
 662. Typus: Flagey exs. 108. — Var. **numulithica** Flagey
 exs. 91: prope Aïn-Tinn. — Endem.
 666. Extra Africam in Australia.

670. Var. **terricola** Flagey exs. 90. — Supra terram sabulosam prope Azeba. — Endem.
671. Flagey exs. 98.
675. Flagey exs. 47.
676. Flagey exs. 48, 49.
- 678^{bis}. **Lecanora galactina** Ach. (Meth. p. 190) L. U. p. 424. — Supra saxa varia prope Constantine: Flagey exs. 40. Supra saxa silicea in monte Mokatam Aegypti: Sickenberger. — Europ., Transcasp., Nov.-Zeland.
680. Typus etiam in Asia arctica et in Nova Hollandia.
681. Etiam in Australia.
682. Typus pluribus locis in Abyssinia: Penzig et in Usambara: Holst. Var. *glabra* in regione zambesica: Menyharth. Flagey exs. 113. Hæc necnon var. *campestris* etiam in Asia boreali, posterior etiam in Costarica.
685. In regione zambesica: Menyharth et in Usambara: Holst. — Var. **leucoblepharis** Müll. in Engl. Jahrb. XX p. 265. — Corticicola in Usambara: Holst. — Endem.
689. Etiam in Asia boreali, Grœnlandia, Nova Granata et Bolivia.
- 689^{bis}. **Lecanora gangaleoides** Nyl. in Flora 1872 p. 354. — Saxicola in insula Madeira: Mandon (exs. 55). — Europa, Australia.
691. Flagey exs. 110. Etiam in Mexico.
- 692^{bis}. (Add. et Corrig. I). In regione zambesica: Menyharth et in Usambara: Holst.
693. Typus in regione sansibarica: Meyer et in Usambara: Holst. — Lichen in collectione ex insula Madeira a cl. Mandon edita sub Nr. 2 nomine *chloroteræ* (694^{bis} in Add. et Corrig. I) est appellanda.
694. Corticicola in Africa tropico-orientali: Hannington.

- Var. **melaleuca** Müll. in Engl. Jahrb. XX p. 266.
- Corticicola in Usambara: Holst. — Endem.
- 694^{bis}. (Add. et. Corrig. I). In insulis Canariis: Bourgeau (exs. 634) et Madera: Mandon (exs. 55).
695. Extra Africam in Asia orientali.
698. In Sierra Leone: Scott-Elliot. Etiam in Bengalia et Costarica.
699. Saxicola in Usambara (Holst Flor. Usamb. 801). Etiam in Costarica.
703. In regione zambesica: Menyharth et in monte Kili-
mandscharo: St. Paul-Illaire. — Var. **compacta** (Müll.
Parag. p. 9). — Corticicola in Usambara: Holst. —
Paraguay.
706. Etiam in Costarica.
707. In Usambara: Holst.
- 707^{bis}. **Lecanora sublivida** Nyl. (Nov. Caled. p. 26) in
Hue Exot. Nr. 1383. — Corticicola in Usambara:
Holst. — Nov. Caled., Amer. calidior.
708. Flagey exs. 114.
- 708^{bis}. **Lecanora pallidæformis** Bagl. Abyss. Penz. p. 4.
— Supra *Euphorbiam abyssinicum* vetustam secus
convallē Ghinda in Abyssinia: Penzig. — Endem.
713. Typus etiam in Australia; var. *corrugata* etiam in
Gallia.
- 713^{bis}. * **Lecanora bicincta** (Ram. Mém. Mus. XIII p. 248)
Nyl. Pyren. or. p. 20. — In Africa boreali. — Gallia.
717. Etiam in Nukahiva et Nova Hollandia.
- 717^{bis}. **Lecanora Sanctæ Helenæ** Müll. in Hedw. 1893
p. 124. — Super saxa varia in insula Sanctæ Helenæ:
Melliss. — Endem.
719. Muscicola prope Mariut in Aegypto mediterranea:
Sickenberger. Flagey exs. 115.

724. *Calcicola* prope Mariut in Aegypto mediterranea: Sickenberger. Etiam in Australia.
- 725^{bis}. ***Lecanora subcongruens*** Müll. in Engl. Jahrb. XV p. 516. — Supra saxa vulcania montis Kilimandscharo 4600 m: Meyer. — Endem.
726. *Calcicola* prope Abusir in Aegypto marmarica: Sickenberger.
732. Flagey exs. 100.
733. Flagey exs. 104.
739. *Corticicola* in Usambara: Holst.
742. In Usambara: Holst.
- 742^{bis}. ***Lecanora Usambarensis*** Müll. in Engl. Jahrb. XX p. 267. — *Corticicola* in Usambara: Holst. — Endem.
- 743^{bis}. ***Lecanora polytropæ*** (Ehrh. Pl. crypt. 294) Schaer. En. p. 81. — *Saxicola* in Africa tropico-orientali: Meyer. — Europ., Nov. Zeland., Amer. boreal.
- 743^{ter}. * ***Lecanora libisca***. Thallus crustaceus, ambitu subeffiguratus, centro areolato-diffracto, lutato-testaceus opacus. Apothecia crebra minora diam. 0,5-6 mm plana vel convexiuscula orbicularia disco cerino-testaceo, margine tenui rarius evanescente integro pallidiore. Reagentia solita coloris thalli et apotheciorum mutationem non efficiunt. Lamina superne luteo-fuscescens in hypothecio incolore, paraphysibus conglutinatis, thecis 8-sporis. Sporæ simplices oblongo-ellipticæ sæpius curvulæ longit. 0,014-20 mm, crassit. 0,05-6 mm (duplo et dimidio ad 4plum longiores quam crassæ). Gelatina hymenea iodo cœrulescens. — *L. polytropæ* affinis at thallo magis evoluto sporisque majoribus. — *Calcicola* ad Scheikh Sidi Meghem prope Mariut in Aegypto mediterranea: Sickenberger. — Endem.
745. Etiam in Australia.

748. Flagey exs. 102.
750. Typus* etiam in America septentrionali.
751. Typus unacum f. *ecrustacea* variis locis Aegypti mediterraneæ: Sickenberger.
752. Loco 753 (Denuo Add. et Corr.) legendum est 752.
753. Typus: Flagey exs. 101. Var. *subcæsia* prope Mariut in Aegypto mediterranea: Sickenberger. Etiam in Palæstina.
756. Var. *extrita* supra ramulos *Lycii*, cortices arborum et truncos *Phœnicis dactyliferae* variis locis in Aegypto marmarica: Sickenberger.
- 756^{bis}. **Lecanora platygraphoides** Nyl. En. p. 15, Nyl.-Hue Exot. 1537. — In parte superiore pyramidis Gizhensis: Hooker. — Endem.
758. Typus in colonia Togo: Büttner; Flagey exs. 106, 107. Var. *discolor* extra Africam etiam in insula Cypro.
762. Supra cortices in Sierra Leone: Scott-Elliot et in Usambara: Holst. Etiam in Cuba, Costarica et Peruvia.
- 762^{bis}. **Lecanora hypomelæna** Krmplh. Argent. p. 18. — In Usambara: Holst. — America calida.
766. Cfr. Nyl.-Hue Exot. 1378.
- 766^{bis}. **Lecanora flavo-ochracea** Müll. in Engl. Jahrb. XX p. 267. — Saxicola in Usambara: Holst. — Endem.
767. Typus: Flagey exs. 99.
771. Typus in regione zambesica: Menyharth et in colonia Togo: Büttner. — Var. **accolens** Strt. Paras. on Thea p. 4. — Corticicola in Usambara: Holst et in monte Kilimandscharo: St. Paul-Illaire. — Asia merid., Caracas. — Inter hanc speciem et sequentem inserenda est *L. dactylopholis* (cfr. 827).

773. Var. **frigida** (Sm. E. Bot. 1879) Nyl. Scand. p. 157.
— Supra truncos arborum muscosos in Usambara
1000 m: Holst. — Europ., Amer. boreal. et maxime
meridionalis.
774. Corticicola in regione zambesica: Menyharth et in
Usambara: Holst. Extra Africam in India orientali
et Nova Hollandia.
775. Typus: Flagey exs. 105.
- 777^{bis}. **Lecanora cinerea** (L. Mant. I p. 132) Smmrf. Suppl.
p. 99. — In Algeria. — Europ., Asia, Nov.-Zel., Amer.
merid.
778. Etiam in Columbia britannica.
- 778^{bis}. **Lecanora lusca** Nyl. in Flora 1873 p. 69 nota.
— Supra saxa arenaria in monte Fdules prope Con-
stantine: Flagey exs. 124. — Europa.
779. *Lecanora trachytica* (Mass. Ric. p. 41) potius prope
Nr. 668 disponenda. Lichen algeriensis in Flagey exs.
123 divulgatus est. In Africa tropico-orientali legit
Meyer.
780. Supra saxa calcaria prope Constantine: Flagey exs. 119.
781. Var. *Hoffmanni*: Flagey exs. 122 (*cæcula*). Etiam
in Australia et Argentina. — Var. **concreta** Schaer.
Spic. p. 73. — Prope Constantine: Flagey exs. 120,
121. — Cosmop.
784. Supra ligna fossilia in sylva petrificata minore prope
Kairo: Sickenberger.
785. Est varietas *L. parellæ*.
788. In sylva petrificata minore prope Kairo: Sickenberger.
- 788^{bis}. **Lecanora Mülleri** Stnr. Beitr. p. 19. — Calcicola
in monte Mokatam Aegypti: Kerner fil. — Endem.
793. Forma microcarpa: Flagey exs. 135.
794. *F. cotaria* saxicola in Algeria.

797. Flagey exs. 125.
802. Etiam in Costarica.
805. Typus: Flagey exs. 130.
808. Var. *squamulosula*: Flagey exs. 128. — Var. **ochracea** Flagey MS. et exs. 129. — Saxicola prope Constantine. — Endem.
811. Flagey exs. 126.
- 812^{bis}. **Lecanora perexigua** (Müll. Zamb. p. 3). — Supra saxa quartzosa prope Boroma in regione zambesica: Menyharth. — Endem.
816. Flagey exs. 127.
817. Flagey exs. 131.
819. Typus calcicola prope Mariut in Aegypto inferiore: Sickenberger; Flagey exs. 132. Var. *calcifraga* etiam in Australia. — F. **strepsodina** (Ach. L. U. p. 247) Nyl. Aegypt. p. 5. — Supra saxa in Algeria, Aegypto et in monte Sinai. — Europa.
820. Flagey exs. 133.
826. In genus *Lecideam* transponenda est.
827. Cfr. 771 supra.
832. Typus: Flagey exs. 140. F. *arenaria* in monte Camerun 3500 m: Preuss. Unacum typo etiam in Nova Hollandia.
833. In Africa tropico-orientali: Meyer; etiam in Nova Hollandia.
834. In Usambara: Holst, etiam in Arabia et in Nova Hollandia. — *Urceolaria gypsacea* latiora interdum in Tunesia loca obsita sunt, qui quidem lichen in vinetis, si quæ forte in illis ipsis, ubi passim effloruerat hæc *Urceolaria*, locis instituta erant, instar optimæ ac copiosissimæ stercorationis esse spectabatur.
837. Flagey exs. 141.

838. In Usambara: Holst.
840. Flagey exs. 142.
845. Etiam in Bolivia et Costarica.
847. Loco „corticiola“ legendum „corticicola“.
850. In colonia Togo: Büttner, corticicola in Usambara: Holst et in Guinea. Etiam in Zeylan. et Brasilia.
851. In Africa tropico-orientali: Meyer, Holst et in regione zambesica: Menyharth.
- 853^{bis}. (Add. et Corrig. I et Suppl. I). In colonia Togo: Büttner, in Usambara: Holst et in insula Sancti Mauritii. Etiam in Japonia, Australia, Nova Zelandia et in Cuba.
- 853^{ter}. **Pertusaria globulifera** (Turn. in Trans. Linn. Soc. IX p. 138) Nyl. Add. Nov. Granat. p. 546. — Corticicola in monte Fdules prope Constantine: Flagey exs. 36 et in Usambara: Holst. — Cosmopolit.
- 857^{bis}. **Pertusaria lactea** (L. Mant. I p. 131) Arn. exs. 204. — In Africa tropico-orientali: Meyer, Holst, Stuhlmann. — Europa, Austral., Amer. merid.
859. Var. **minor** Nyl. Boliv. p. 379. — Corticicola in Usambara: Holst. — Boliv., Brasil. — Var. **dispora** Müll. Neocal. p. 5. — Corticicola in Usambara: Holst. — Nov. Caled. — Var. **gibbosa** Müll. Costar. I p. 63. — Corticicola in Usambara: Holst. — Nov. Holland. orient., Costarica. — F. **denudata** Müll. in Engl. Jahrb. XX p. 270. — Corticicola in Usambara: Holst. — Endem. — Var. *octospora* in Usambara: Holst. — Var. **planior** Müll. in Flora 1884 p. 305. — Corticicola in Usambara: Holst. — Brasil. — Var. *trypetheliiformis* etiam in Asia meridionali.
- 859^{ter}. **Pertusaria mamillana** Müll. Zamb. p. 4. — In regione zambesica: Menyharth. — Endem.

- 859^{quater}. **Pertusaria tetrathalamia** Nyl. Nov.-Gran. Ed.
 II p. 37 var. **tetraspora** Müll. in Flora 1884 p. 303.
 — In colonia Togo: Büttner. — America calidior.
864. Typus: Flagey exs. 135. Etiam in Costarica.
- 869^{bis}. **Pertusaria candida** Müll. in Flora 1885 p. 507.
 — Corticicola in Usambara: Holst. — Brasil.
870. Typus in Usambara: Holst. Var. *heterochroa* in Africa tropico-orientali: Meyer, Holst, St. Paul-Illaire.
- 870^{bis}. **Pertusaria personata** Müll. in Engl. Jahrb. XV p. 506. — In colonia Togo: Büttner. — Endem.
- 873^{bis}. **Pertusaria Mimosarum** Müll. in Engl. Jahrb. XV p. 517. — Supra truncos *Mimosarum* (*Acaciarum*?) prope Modschi in Africa tropico-orientali: Meyer. — Endem.
875. In monte Kilimandscharo: St. Paul-Illaire.
- 877^{bis}. **Pertusaria variolosa** Müll. in Hedw. 1893 p. 126.
 — Corticicola in Africa australi: MacOwan. — Endem.
- 878^{bis}. **Pertusaria leucosora** Nyl. in Flora 1877 p. 223.
 — In Africa tropico-orientali: Meyer. — Europa.
- 878^{ter}. **Pertusaria stalactiza** Nyl. in Flora 1874 p. 311.
 — In monte Kilimandscharo: Meyer. — Europa.
879. Typus in Abyssinia: Penzig.
- 881^{bis}. **Pertusaria platypoda** Müll. in Engl. Jahrb. XX p. 270. — Corticicola in Usambara: Holst. — Endem.
- 886^{bis}. **Pertusaria macrostoma** Müll. in Engl. Jahrb. XX p. 270. — Lignicola prope Dar-es-Salam: Holst. — Endem.
891. Etiam in Guyana gallica.
- 892^{bis}. **Thelotrema myrioporum** Tuck. Obs. II p. 412. — Corticicola in Usambara: Holst. — Amer. calidior.
895. Typus etiam in Nova Zelandia.
- 899^{bis}. **Thelotrema olivaceum** Mnt. Syll. p. 363 non Fée.

- Corticicola in Usambara: Holst. — In terris calidioribus.
903. Typus in territorio Pogo Africæ austro-orientalis: Bachmann; etiam in Australia.
- 904^{bis}. **Thelotrema Wightii** (Tayl. in Journ. Bot. 1847 p. 155) Nyl. Nov. Gran. Ed. II p. 50. — Corticicola in Usambara: Holst. — In terris calidioribus.
- 906^{bis}. (Denuo Addenda in Suppl. I). Etiam in Louisiana et Brasilia.
907. In Usambara: Holst.
909. In Usambara: Holst et in insula Sancti Mauritii.
910. Etiam in Australia et Costarica.
911. Etiam in Costarica.
- 911^{bis}. **Cœnogonium rigidulum** Müll. in Flora 1882 p. 490.
— Corticicola in Usambara: Holst. — Nov.-Holl.
- 911^{ter}. **Cœnogonium heterotrichum** Müll. Costar. II p. 41.
— Corticicola in Usambara: Holst. — Costar.
913. In Usambara: Holst.
914. Etiam in Nova Zelandia.
- 914^{bis}. **Lecidea versicolor** Müll. in Engl. Jahrb. XX p. 274 sub *Secoliga*. — Corticicola in Usambara: Holst. — Endem.
916. Flagey exs. 144.
- 922^{bis}. **Lecidea brachyspora** Müll. in Engl. Jahrb. XX p. 264 sub *Phyllopsora*. — In Usambara: Holst. — Endem.
923. Typus in Usambara: Holst et in insula Borbonia. Var. *fibrillifera* in Africa tropico-orientali: Fischer, Holst; etiam in Costarica. — Var. **subgranulosa** Müll. Manip. p. 33. — In Usambara: Holst. — Manipur, Queensland, Antill., Brasil. — Var. **granulosa** Müll. in

- Flora 1882 p. 327. — In Usambara: Holst. — Java, Paraguay.
924. Etiam in Costarica.
925. Etiam in Nova Zelandia.
- 926^{bis}. **Lecidea Büttneri** (Müll. in Engl. Jahrb. XV p. 506).
— In colonia Togo: Büttner. — Endem.
- 926^{ter}. **Lecidea corallina** Eschw. Bras. p. 226, Nyl. in Flora 1869 p. 122. — Corticicola in Usambara: Holst. — Brasil.
- 926^{quater}. **Lecidea pannosa** Müll. in Engl. Jahrb. XX p. 265 sub *Phyllopsora*. — Corticicola in Usambara: Holst. — Endem.
- 927 et 930. Corticicola in regione zambesica: Menyharth.
930. Ramulicola in terra Somali caespitibus *Usneae articulatae* oblecta.
- 930^{bis}. **Lecidea fuscella** Müll. in Flora 1881 p. 519. — Corticicola in Usambara: Holst. — Brasil.
- 931^{bis}. **Lecidea griseopallescens** Nyl. Syn. Nov.-Caled. p. 43. — Corticicola in Usambara: Holst. — Nov.-Caled.
933. In Usambara: Holst. — Etiam in Amer. calidiore.
935. In Usambara: Holst.
- 935^{bis}. **Lecidea microspermoides** Müll. in Engl. Jahrb. XX p. 277. — Corticicola in Usambara: Holst. — Endem.
940. Etiam in America septentrionali calidiore et centrali.
- 940^{bis}. **Lecidea hypomela** Nyl. Exot. p. 223. — Corticicola in Usambara: Holst. — Amer. merid.
- 940^{ter}. **Lecidea hypomeloides** Müll. in Engl. Jahrb. XX p. 271. — Corticicola in Usambara: Holst. — Endem.
946. Etiam in Costarica.
- 958^{bis}. **Lecidea obscurella** (Smmrf. Suppl. p. 161) Nyl.

- Lapp. p. 147. — In Africa tropico-orientali: Meyer.
— Europa.
- 960 et 961. Etiam in America septentrionali.
964. Etiam in Java.
- 964^{bis}. **Lecidea leptocheiloides** Nyl. in Cromb. Chall.
p. 225. — Corticicola in Usambara: Holst. — Nov.-
Caled., Tahiti, Asia merid., Antill.
965. Etiam in Nova Hollandia.
971. Etiam in America septentrionali.
- 976^{bis}. **Lecidea leucoloma** (Müll. Wils. p. 49). — Cortici-
cola in Usambara: Holst. — Nov. Holland.
- 976^{ter}. **Lecidea stellaris** (Müll. in Engl. Jahrb. XX p. 274).
— Corticicola in Usambara: Holst. — Endem.
981. In Usambara: Holst. Etiam in Amboina.
982. Etiam in Nova Hollandia.
- 982^{bis}. **Lecidea nigrocincta** (Müll. in Engl. Jahrb. XX
p. 275). — Corticicola in Usambara: Holst. — Endem.
983. Typus in Usambara: Holst; etiam in Mexico et in
Nova Hollandia. — Var. **versicolor** (Müll. Costaric. II
p. 23). — In Usambara: Holst. — Costaric. — Var.
suffusa (El. Fr. S. O. V. p. 285). — In Usambara:
Holst. — Amer. utraque. — Var. **fusconigrescens**
Nyl. Nov.-Granat. p. 64. — In Usambara: Holst. —
Pariter distributa ac forma normalis.
- 983^{bis}. **Lecidea russeola** Krmph. in Flora 1878 p. 518.
— In Africa tropico-orientali: Meyer. — Argentin.
984. Prope Gheleb in Abyssinia: Penzig.
- 1003^{bis}. **Lecidia infuscata** (Müll. in Engl. Jahrb. XV p. 507).
— In colonia Togo: Büttner. — Endem.
- 1003^{ter}. **Lecidea trichosperma** (Müll. in Engl. Jahrb. XX
p. 274). — Corticicola in regione lacuum tropico-
orientalium: Stuhlmann. — Endem.

1017. Etiam in Costarica.
1020. Etiam in America septentrionali.
1021. Typus in Usambara: Holst et in Madagascar. Etiam in Java.
- 1021^{bis}. **Lecidea Togoënsis** (Müll. in Engl. Jahrb. XV p. 506).
In colonia Togo: Büttner. — Endem.
1026. Typus etiam in Nova Zelandia. — Var. **coralloidea** Müll. in Flora 1882 p. 488. — Corticicola in Usambara: Holst. — Nov. Holland. — Var. **intermedia** Müll. in Engl. Jahrb. XX p. 273. — Corticicola in Usambara: Holst. — Nov. Holland, Amer. merid. — Var. **inexplicata** Nyl. Nov.-Granat. Ed. II p. 68. — Corticicola in Usambara: Holst et in Africa australi. — Nov.-Granat.
- 1026^{bis}. **Lecidea leprolyta** Nyl. in Flora 1869 p. 70. —
In regione zambesica: Menyharth. — Calcutta.
1029. Typus in colonia Togo: Büttner et in Usambara: Holst.
- 1035^{bis}. **Lecidea lecanorina** Müll. in Engl. Jahrb. XX p. 276 (*Lopadium*). — Corticicola in Usambara: Holst. — Endem.
- 1035^{ter}. **Lecidea conspersa** Fée Ess. p. 108. — In colonia Togo: Büttner, in Usambara: Holst et in Guinea. — Manipur, Nov. Holland., Americ. trop.
1038. Flagey exs. 145.
1040. Flagey exs. 143.
1043. Etiam in Nova Zelandia.
1045. In monte Abyssinico Dongollo: Penzig. Etiam in Australia et Nova Zelandia.
1046. In regione zambesica: Menyharth.
- 1046^{bis}. **Lecidea Ayresiana** Müll. in Hedw. 1892 p. 280. —
Supra terram in insula Sancti Mauritii: Ayres. — Endem.

1047. Variis locis in Aegypto marmarica: Sickenberger. Sporæ passim 3-septatæ (ad septa leviter constrictæ).
1048. Hæc species quæ minime rara in Aegypto mediterranea occidentali — ad Mex, Mariut et Abusir eam legit Professor Sickenberger — valde variabilis esse videtur. Adsunt specimina thallo subpruinoso, alia apotheciis epruinosis, alia thallo fuscescenti-testaceo et apotheciis pallidioribus fere biatorinis nudis. Sporæ (longit. 0,011-018, crassit. 0,003-6 mm, duplo ad quadruplum et dimidium longiores quam crassæ) passim triseptatæ. Gelatina hymenea iodo intense cœrulescens.
1057. Flagey exs. 147.
1058. Flagey exs. 146.
1059. Haud scio an rectius nominanda sit *L. epiploica* Cromb. Chall. p. 213.
1062. Typus supra ramos in monte Abyssinico Dongollo: Penzig; etiam in Australia. Var. *exigua* etiam in Nova Zelandia.
- 1062^{bis}. **Lecidea trachytica** Müll. in Engl. Jahrb. XV p. 519. — Supra saxa vulcania in monte Kilimandscharo: Meyer. — Endem.
1063. Flagey exs. 157, 158.
1065. Typus supra truncos *Quercuum* in Dschebel Wasch prope Constantine: Flagey exs. 155 et in monte Abyssinico Lalamba: Penzig. Var. *leucoplacoides*: Flagey exs. 156.
1066. Typus: Flagey exs. 154; etiam in Australia.
- 1068^{bis}. **Lecidea xanthinula** Müll. in Engl. Jahrb. XV p. 518. — Supra saxa quartzosa montis Gemualla 2080 m Africae tropico-orientalis: Meyer. — Endem.
1078. Typus et var. *flavicunda* etiam in Nova Hollandia.
- 1083^{bis}. **Lecidea Owaniana** Müll. in Hedw. 1893 p. 127.

- Supra terram sabulosam indurato-compactam in Africa australi: MacOwan. — Endem.
1093. In Usambara: Holst; etiam in Japonia et Brasilia.
1099. Flagey exs. 160.
- 1104^{bis}. **Lecidea fumosa** (Hffm. D. Fl. II p. 190) Whlnb. Lapp. p. 475. — In Africa tropico-orientali: Meyer. — Europa.
1106. Flagey exs. 159.
1112. Flagey exs. 161.
1116. In Africa tropico-orientali: Meyer.
- 1118^{bis}. **Lecidea inflata** Müll. in Engl. Jahrb. XV p. 519. — Supra saxa vulcania in monte Kilimandscharo 4600 m: Meyer. — Endem.
1120. Saxicola in regione zambesica: Menyharth.
1125. Typus in Usambara: Holst; extra Africam etiam in Nova Hollandia et in America arctica.
1131. Supra saxa in Angola: Welwitsch (cfr. Nyl.-Hue Exot. 2439).
1134. Typus in Aegypto: Sickenberger.
- 1137^{bis}. **Lecidea olivacea** Müll. Zamb. p. 4. — Saxicola in regione zambesica: Menyharth. — Endem.
1138. Typus in Usambara: Holst; etiam in Amer. sept.
- 1145^{bis}. **Lecidea proserpens** (Müll. in Engl. Jahrb. XV p. 519 nota). — Saxicola in summo monte Gemualla 2080 m in Africa tropico-orientali: Meyer. — Endem.
- 1145^{ter}. **Lecidea diplotommoides** (Müll. in Engl. Jahrb. XX p. 277). — Supra lapides in Usambara: Holst. — Nov. Holl., Brasil.
1148. In sylva petrificata minore necnon in Gebel Iswid prope Kairo: Sickenberger.
1155. Typus: Flagey exs. 163 (*Caricæ*), etiam in Nova Hollandia. Var. *epipolia*: Flagey exs. 162. — Var.

- margaritacea** (Smmrf. Lapp. p. 148) Nyl. Scand. p. 236. — Calcicola prope Ras el Kanais: Sickenberger. — Europa.
1156. Flagey exs. 165.
1157. In Aegypto marmarica et in Gebel Iswid prope Kairo: Sickenberger.
1158. In Usambara: Holst.
- 1159^{bis}. **Lecidea subimmersa** Müll. in Engl. Jahrb. XX p. 277 sub *Buellia*. — Saxicola in Usambara: Holst. — Endem.
1160. Typus in regione zambesica: Menyharth. F. *microcarpa* ibidem; extra Africam etiam in Australia. — F. **ecrustacea** Nyl. Prodr. p. 141, Syn. f. *saprophila* Ach., Bagl. — Corticicola circa Gheleb in Abyssinia: Penzig. — Europa.
1161. Est *Lecidia disciformis* v. *microcarpa* (cfr. Müll. in Engl. Jahrb. XV p. 519).
1164. Est *Lecanora* (cfr. 647 supra).
1174. Flagey exs. 166.
1179. In monte Kilimandscharo: St. Paul-Illaire; etiam in Nova Hollandia.
- 1183^{bis}. **Lecidea xantholepis** (Müll. in Flora 1881 p. 524). — In Africa tropico-orientali: Meyer. — Brasilia.
- 1184^{bis}. **Lecidea alpicola** (Schaer. En. p. 106) Nyl. Prodr. p. 142. — In Africa tropico-orientali: Meyer. — Europa.
1185. Typus: Flagey exs. 169. Var. *atrovirens* in Africa tropico-orientali: Meyer. Etiam in Costarica et in Nova Zelandia.
1193. Flagey exs. 153.
- 1193^{bis}. **Lecidea sodalis** Stzb. non Hepp Hb. Athallina, apothecia maculatim conferta minuta nigra opaca con-

vexa immarginata intus albida. Hymenium superne fuscescens in hypothecio incolore, paraphysibus discretis articulatis parce ramosis superne fusco-clavatis, thecis 8-sporis. Sporæ elongato-ellipticæ, 1-septatæ medio sæpe constrictæ, incolores longit. 0,013-17, crassit. 0,005-7 mm. Gelatina hymenea iodo cœrulescens. *L. subnitidæ* Hllb. et *tristi* Hepp affinis. — Maculas nigras efficiens inter alios lichenes crustaceos supra saxa silicea in sylva petrificata minore prope Kahiram: Sickenberger. — Endem.

- 1194. Flagey exs. 151.
- 1195. Flagey exs. 152.
- 1204. *F. microsperma* etiam in Europa.
- 1207. **Lecidea inquilina** (Tuck. Calif. p. 32). — Supra thallum Lichenum crustaceorum in regione zambesica: Menyharth. — Amer. sept.
- 1214. In Sierra Leone: Scott-Elliot et in insula Sancti Thomæ: Menyharth. — Var. **rosella** Müll. Mey. p. 317 et Costar. I p. 34. — In Usambara: Holst. — Nov. Caled., Costar., Brasil.
- 1219. Typus in Sierra Leone: Scott-Elliot, Usambara et Sansibar: Holst. — Var. **flavicans** Müll. in Flora 1882 p. 334. — In Sierra Leone: Scott-Elliot. — Java, Amer. calid.
- 1219^{bis}. **Graphis erythrocardia** Müll. in Engl. Jahrb. XX p. 280. — Corticicola in Usambara: Holst. — Endem.
- 1221. Var. *serpentina* in Usambara: Holst.
- 1223^{bis}. **Graphis aterrima** Müll. in Engl. Jahrb. XX p. 282. — Corticicola in Usambara: Holst. — Endem.
- 1225^{bis}. **Graphis superans** Müll. in Engl. Jahrb. XX p. 281. — Corticicola in Usambara: Holst. — Endem.

- 1226^{bis}. **Graphis compulsa** Krmplh. in Flora 1876 p. 419.
— In Africa tropico-orientali: Meyer. — Brasil.
1229. In Usambara: Holst. Etiam in Mexico et in Louisiana.
1235. Corticicola in Usambara: Holst. Etiam in Queensland.
- 1236^{bis}. **Graphis vernicosa** (Fée Ess. p. 21) Nyl. Exot. p. 226. — Corticicola in Usambara: Holst. — Amer. calidior.
- 1236^{ter}. **Graphis subhianscens** Müll. in Engl. Jahrb. XX p. 283. — Corticicola in Usambara: Holst. — Endem.
1240. In Usambara: Holst. Extra Africam in Florida.
1241. Typus etiam in Costarica. — Var. **sublævis** Nyl. in Flora 1858 p. 361. — In Africa tropico-orientali: Meyer. — Florida, Nov. Caled., Mexico, Costarica. — Var. **cuspidata** Müll. in Engl. Jahrb. XX p. 281. — Corticicola in Usambara: Holst. — Endem.
- 1241^{bis}. **Graphis rimulosa** (Mnt. Syll. p. 349) Müll. Costar. I p. 33. — Corticicola in Usambara: Holst. — In terris calidioribus.
- 1242^{bis}. **Graphis duplicans** (Müll. in Engl. Jahrb. XX p. 284). — Corticicola in Usambara: Holst. — Endem.
- 1242^{ter}. **Graphis dendritica** Ach. Meth. p. 31. — Corticicola in Usambara: Holst. — In terris calidioribus. — Var. **obtusa** Leight. Graph. p. 44. — Cum typo. — Angl., Amer. sept.
1245. Typus etiam in Louisiana et Costarica. Var. *simpliuscula* etiam in Costarica.
- 1245^{bis}. **Graphis punctiformis** Nyl. Antill. p. 20. — Corticicola in Usambara: Holst. — Java, Amer. calidior.
- 1245^{ter}. **Graphis platycarpa** (Müll. in Engl. Jahrb. XX p. 284). — Corticicola in Usambara: Holst. — Endem.

- 1245^{quater}. **Graphis paratypa** (Müll. in Flora 1886 p. 313).
— Corticicola in Usambara: Holst. — Nov. Granat.
- 1246^{bis}. **Graphis lecanographa** Nyl. in Flora 1869 p. 123.
— Corticicola in Usambara: Holst. — Brasil.
1247. Typus in Usambara: Holst; etiam in Nova Zelandia.
Var. *pluriformis* in Usambara: Holst.
1250. In Sierra Leone: Scott-Elliot.
- 1251^{bis}. **Graphis paucilocularis** (Müll. in Engl. Jahrb. XV p. 520). — Supra ramulos *Mimosarum* inter Mondje et Modschi Africae tropico-orientalis: Meyer et in Usambara: Holst. — Endem.
- 1253^{bis}. **Graphis Balbisii** Fée Ess. p. 48. — Corticicola in Usambara: Holst. — Amer. calidior.
1256. In Usambara: Holst. Etiam in Nova Granata et Costarica.
- 1257^{bis}. **Graphis mendax** Nyl. Exot. p. 244. — Corticicola in Usambara: Holst. — Nov.-Caled., Papeiti, Louisiana.
1259. In Usambara: Holst.
- 1260^{bis}. **Graphis pyrenuloides** Müll. in Engl. Jahrb. XX p. 283. — Corticicola in Dar-es-Salam: Holst. — Endem.
- 1268^{bis}. **Graphis hyalinella** Müll. in Engl. Jahrb. XX p. 282.
— Corticicola in Usambara: Holst. — Endem.
1269. Est *Helminthocarpon leucocarpum* Müll. (Soc. p. 13) in Engl. Jahrb. XX p. 289. Synon. *Arthonia leucocarpa* (Müll.) Stzb. Lichenæa Afr. 1360. Corticicola in Usambara: Meyer, Holst et in insula Socotra: Schweinfurth.
- 1270^{bis}. **Thelographis polymorpha** (Fée Suppl. p. 156) Nyl. En. p. 130. — Corticicola in Usambara: Holst. — Antill.

1276. Supra cortices suberosos in Usambara: Holst.
1277. Etiam in Arabia Yemensis.
1278. Etiam in Arabia Yemensis et Malacca. Generi *Lecideæ* adscribenda et prope *L. premneam* collocanda est.
1281. In Usambara: Holst. Etiam in Queensland et Louisiana.
1287^{bis}. **Opegrapha humilis** Müll. in Bull. Boiss. I Nr. 5.
— In Sierra Leone: Scott-Elliot. — Endem.
1288. Corticicola in Abyssinia: Penzig.
1290. In Usambara: Holst.
1290^{bis}. Etiam in Europa, Australia et India occidentali.
1291. In Usambara: Holst.
1293. Etiam in Australia.
1295. Etiam in America tropica.
1297. Corticicola prope Gheleb in Abyssinia: Penzig. Etiam in Costarica.
1299. Jam relatum inter *Platygraphas* sub Nr. 1329 et hoc loco delendum.
1304. Prope Ras el Kanais in Aegypto marmarica: Sickenberger.
1306. Typus: Flagey exs. 172; etiam in insulis Sandwich et in Nova Zelandia. — Var. **discreta** Bagl. in Abyss. Penz. p. 6. — Corticicola prope Gheleb in Abyssinia: Penzig. — Endem.
1307^{bis}. **Opegrapha Menyharthi** Müll. Zamb. p. 5. — Corticicola in regione zambesica: Menyharth. — Endem.
1308^{bis}. **Opegrapha conglomerans** Müll. in Engl. Jahrb. XX p. 279. — Supra thallum *Physciæ pictæ* in Usambara: Holst. — Endem.
1308^{ter}. **Opegrapha sparsella** Müll. Parag. p. 20. — Ramulicola in Usambara: Holst. — Paraguay.

1311. Etiam in Nova Hollandia.
1312. In Usambara: Holst. Etiam in Nova Hollandia, Louisiana, Florida et Mexico.
- 1328^{bis}. **Opegrapha rufa** Müll. in Engl. Jahrb. XX p. 280.
— In Usambara: Holst. — Endem. .
- 1329^{bis}. **Platygrapha albella** Müll. in Engl. Jahrb. XX p. 278. — In Usambara: Holst. — Endem.
- 1329^{ter}. **Platygrapha Usambarensis** Müll. in Engl. Jahrb. XX p. 278. — In Usambara: Holst. — Endem.
1330. Etiam in Nova Granata.
- 1346^{bis}. **Stigmatidium biclavatum** (Müll. in Engl. Jahrb. XX p. 292). — Corticicola in Usambara: Holst. — Endem.
- 1347 nota. Loco „*Willeyanum*“ legendum est „*Willeyanam*“.
1348. In Usambara: Holst et ad flumen Zambesi.
- 1349^{bis}. **Arthonia carneoalbans** Müll. in Engl. Jahrb. XX p. 286. — Corticicola in Usambara: Holst. — Endem.
- 1349^{ter}. **Arthonia pertusariella** Müll. in Engl. Jahrb. XX p. 287. — Corticicola in Usambara: Holst. — Endem.
1351. Typus in Usambara: Holst. Var. *radiata* corticicola prope Gheleb in Abyssinia: Penzig. Var. *obscura* in Usambara: Holst; etiam in Louisiana et Paraguay.
— Var. **speciosa** Müll. in Engl. Jahrb. XX p. 286.
— In Usambara: Holst. — Endem.
1352. In Sierra Leone: Menyharth et in Africa tropico-orientali: Meyer.
- 1352^{bis}. **Arthonia violacea** Pers. in Gaud. Uran. p. 187. — Ramulicola in Usambara: Holst. — Inss. Marianæ.
- 1352^{ter}. **Arthonia erythrogona** Müll. Costaric. II p. 190.
— Corticicola in Usambara: Holst. — Costaric.
1354. In Usambara: Holst.
1356. In Usambara: Holst.

1357. Etiam in China et Japonia.
1359. In Usambara: Holst; etiam in Costarica.
- 1359^{bis}. **Arthonia virginea** (Müll. in Engl. Jahrb. XX p. 288).
— Ramulicola in Usambara: Holst. — Endem.
- 1359^{ter}. **Arthonia dictyophora** (Müll. in Engl. Jahrb. XX p. 288). — Ramulicola in Usambara: Holst. — Endem.
- 1359^{quater}. **Arthonia genuflexa** (Müll. in Engl. Jahrb. XX p. 289). — Corticicola in Usambara: Holst, Fischer — Endem.
1360. Est delenda (cfr. 1269 supra).
- 1360^{bis}. **Arthonia cæsioalba** (Müll. in Engl. Jahrb. XX p. 288). — Corticicola in Usambara: Holst. — Endem.
- 1364^{bis}. **Arthonia dispersa** (Schröd. Samml. 167) Nyl. Scand. p. 261. — Corticicola in regione zambesica: Menyharth. — Europa.
1372. Nova Granata delenda est.
1373. In Usambara: Holst et in Transvaalia; etiam in Nova Zelandia.
1374. Etiam in Zeylanica.
1383. Typus prope Gheleb in Abyssinia: Penzig. Extra Africam etiam in Nova Zelandia.
1390. In Usambara et prope Dar-es-Salam: Holst. Etiam in Zeylanica, Louisiana et Florida.
1393. In Usambara: Holst.
1402. Flagey exs. 168.
1404. In Africa tropico-orientali: Meyer; etiam in Australia et Costarica.
1409. In Abyssinia: Penzig; etiam in insula sundaica Victoria et in Nova Caledonia.
1411. Prope Mariut in Aegypto mediterranea: Sickenberger.
1413. Corticicola in Usambara: Holst; etiam in Costarica.

- 1413^{bis}. **Chiodecton molle** Müll. in Engl. Jahrb. XX p. 291.
— Corticicola in Usambara: Holst. — Endem.
1416. Etiam (*saxicola*) in Tonkin.
1418. In Usambara: Holst.
- 1418^{bis}. **Chiodecton hypochnoides** Nyl. in Nov.-Granat.
Ed. II p. 111. — In colonia Togo: Büttner. — Nov.-Granat.
- 1418^{ter}. **Chiodecton intercedens** Müll. in Engl. Jahrb. XX
p. 291. — Corticicola in Usambara: Holst. — Endem.
- 1418^{quater}. **Chiodecton heterotropoides** Nyl. Mex. p. 5. —
Corticicola in Usambara: Holst, Fischer. — In terris
calidioribus.
- 1418^{quinquies}. **Chiodecton hypochryseum** Müll. in Engl.
Jahrb. XX p. 292. — Corticicola in Usambara: Holst.
— Endem.
1419. In Sierra Leone: Scott-Elliot; etiam in Florida.
1421. Var. *favulosa* in Sansibar et Usambara: Holst, in
regione lacuum: Stuhlmann.
- 1421^{bis}. **Glyphis cribrosa** Fée Mém. p. 36. — Corticicola
in Usambara: Holst. — In terris calidioribus.
- 1423^{bis}. **Glyphis subtriosa** Leight. Zeyl. p. 181. — Cor-
ticicola prope Dar-es-Salam: Holst. — Zeylan., Nov.
Holland.
- 1423^{ter}. **Glyphis radians** (Müll. Tonk. p. 187). — Cortici-
cola prope Dar-es-Salam: Holst. — Tonkin.
1425. In Usambara: Fischer.
1426. In Algeria: Letourneux et in Africa tropico-orientali:
Meyer. Etiam in Nova Hollandia.
1427. Typus: Flagey exs. 173; etiam in Australia; var.
complicata etiam in America septentrionali.
1432. Flagey exs. 174, 175 (*trapeziforme*).
1433. Etiam in Persia et Nov. Holland.

1435. Flagey exs. 176.
1443. Supra saxa quartzitica in sylva petrificata minore prope Kairo: Sickenberger.
- 1445^{bis}. **Endocarpon Johnstoni** (Müll. in Hedw. 1892 p. 286).
— Vulgaris supra saxa sabulosa in insula „Aux Fouquiers“ in orientem versus ab insula Sancti Mauritii: Johnston. — Endem.
- 1447^{bis}. **Placothelium staurothelioides** Müll. Zamb. p. 5.
— Saxicola in regione zambesica: Menyharth. — Endem.
1448. Etiam in Persia.
1455. F. **minuta** (Mass. Ric. p. 175). — Saxicola prope Constantine: Flagey exs. 177—179.
1456. Typus: Flagey exs. 182.
- 1456^{bis}. **Verrucaria subfuscella** Nyl. Scand. p. 271. — In Algeria. — Europa.
1459. Etiam in Australia.
1460. Etiam in Nova Zelandia.
1461. Var. *calcivora*: Flagey exs. 185; var. *crassa*: Flagey exs. 184.
1462. Flagey exs. 183.
- 1462^{bis}. **Verrucaria veronensis** Mass. Ric. p. 175. — Supra saxa ad Mansura in Algeria: Flagey exs. 186.
1466. Typus vel potius varietas: Flagey exs. 181.
1468. Var. *controversa*: Flagey exs. 180.
1470. Typus prope Abusir in Aegypto mediterranea: Sickenberger. Loco „*limitans*“ legendum „*sublimitans*“ Nyl. in Nyl.-Hue Exot. 3282. Hæc var. *sublimitans* unicum typo prope Abusir: Sickenberger.
- 1481^{bis}. **Verrucaria (Porinula) taposirica**. Thallus murinus maculiformis granulis albissimis minutis modice inspersus. Apothecia creberrima in foveolis saxi non-

- nihil immersa nigra latit. 0,1-2 mm, perithecio nigro dimidiato, nucleo incolore, paraphysibus teneribus discretis, thecis lanceolatis 8-sporis. Sporæ fusiformes incolores 3-septatæ longit. 0,016-20, crassit. 0,004 mm. — *V. Aschersoni* et *immergenti* proxima. — Super saxa arenacea formationis recentioris, Taposiris magna in Aegypto marmarica: Sickenberger. — Endem.
1482. **Verrucaria cinerosula**. Synon. *Sagedia cinerea* Bagl. Abyss. Penz. p. 7 non *Verrucaria cinerea* Pers., Nyl. — Corticicola prope Keren in Abyssinia: Penzig. — Endem.
- 1482^{ter}. **Verrucaria patellula** (Müll. in Engl. Jahrb. XX p. 293). — Corticicola in Usambara: Holst. — Endem.
1483. Loco „Nyl. in Stzb. etc.“ legendum est „Nyl. in Flora 1874 p. 15.“
- 1484^{bis}. **Verrucaria chloritis**. Synon. *Clathroporina chlorotica* Müll. in Engl. Jahrb. XX p. 294. — Corticicola in Usambara: Holst. — Endem.
- 1484^{ter}. **Verrucaria superans** (Müll. in Engl. Jahrb. XX p. 294). — Corticicola in Usambara: Holst. — Endem.
1486. Etiam in Costarica.
1495. In Usambara: Holst.
1499. Loco „Afr. p. 41“ lege „Afr. p. 47“. In Usambara: Holst. Etiam in Zeylania, Nov.-Holland., Brasil., Costarica et in Mexico.
1505. Etiam in Nova Caledonia, Nova Guinea et Nova Zelandia.
1508. Etiam in Java.
1513. In Usambara: Holst; etiam in insula sundaica Victory et in Australia.
- 1513^{bis}. **Verrucaria duplicans** Nyl. Nov.-Granat. Ed. II p. 116. — Corticicola in Usambara: Holst. — America calidior.

1514. In Usambara: Holst et in insula Borbonia.
- 1515^{bis}. **Verrucaria confinis** Nyl. Pyrenoc. p. 49. — In Africa tropico-orientali: Meyer, Holst. — Australia, America.
- 1516^{bis}. **Verrucaria vitellina** (Müll. in Engl. Jahrb. XX p. 295). — Corticicola in Usambara: Holst. — Endem.
- 1516^{ter}. **Verrucaria punctuliformis** (Müll. in Engl. Jahrb. XX p. 296). — Supra lignum putridum in Usambara: Holst. — Endem.
1517. *Astrothelium pyrinoicum* Lichen. Afric. 1587 hujus lichenis est forma.
1521. Inter hanc et sequentem inserenda est **Verrucaria astroidea** (Fée Ess. p. 70) Nyl. Nov. Zel. p. 132. Synon. *Pyrenastrum americanum* Spr., Lich. Afric. 1584.
1523. Prope Dar-es-Salam: Holst.
- 1523^{bis}. **Verrucaria Kunthii** Fée Ess. p. 88, Müll. Cub. p. 44 (*Pyrenula*). — In Sierra Leone: Scott-Elliot. — Amer. calid.
1527. Etiam in Nova Caledonia.
- 1528^{bis}. **Verrucaria pleiomerella** Nyl. in Flora 1876 p. 364. — Corticicola in Usambara: Holst. — Cuba.
1530. In Sierra Leone: Scott-Elliot, in Usambara: Holst. — Var. **emergens** (Müll. Costar. I p. 49). — Corticicola in Usambara: Holst. — In terris calidioribus sicut typus.
- 1530^{bis}. **Verrucaria adnata** Fée Ess. p. 74 (vera). — Corticicola in Usambara: Holst. — As. calid., Nov. Holl., Amer. calidior.
- 1530^{ter}. **Verrucaria cryptostoma** Nyl. Nov. Granat. Ed. II p. 119. — Corticicola in Usambara: Holst. — Nov. Granat.
- 1530^{quater}. **Verrucaria subgregantula** (Müll. in Engl. Jahrb.

- XX p. 294). — Corticicola prope Dar-es-Salam: Holst.
— Costarica.
1531. Typus in Usambara: Holst. Var. *nitidella* etiam in
Nova Zelandia.
- 1531^{bis}. **Verrucaria mastophora** Nyl. Expos. Nov. Cal.
p. 52. — Corticicola in Usambara: Holst. — Japon.,
Nov. Holl., Nov. Caled., Argent.
1537. Etiam in Nova Caledonia.
1540. In Usambara: Holst.
1545. Etiam in Nukahiwa.
1546. Etiam in Mexico.
1547. Flagey exs. 187.
- 1547^{bis}. **Verrucaria minuta** (Stein, Müll. in Engl. Jahrb.
IX p. 521, non *Pyrenula minuta* Naeg. in Hepp Fl.
Eur. 458). — Supra ramulos *Mimosæ* læves in Africa
tropico-orientali: Meyer. — Endem.
- 1551^{bis}. **Verrucaria Zollingeri** Müll. in Hedw. 1892 p. 287
sub *Tomasellia*. — In summo monte Pouce insulæ
Sancti Mauritii. — Java.
- 1555^{bis}. **Parathelium oblongulum** (Müll. in Engl. Jahrb.
XX p. 297). — Super corticem suberosum in Usam-
bara: Holst. — Endem.
1556. Etiam in Nova Caledonia.
1557. In monte Kamerun: Zenker.
1559. Etiam in Nova Caledonia et Costarica. — Var. **oxyloba**
Müll. in Engl. Jahrb. XX p. 293. — In monte Kamerun:
Zenker. — Endem.
1563. Etiam in Polynesia.
- 1564^{bis}. **Thelopsis isiaca**. Thallus effusus pulveraceus isa-
bellino-cinereus tenuissimus chroolepideus. Apothecia
concoloria depresso-globosa diametr. 0,5-8 mm, superne
umbilicata poro tenuissimo (sæpe denigrato), pyrenio

albicante sub strato crassiore flavoviridi (chrysogonidico) lamina extrema intus rubricosa obducto, paraphysibus elongatis capillaribus, thecis polysporis lineari-lanceolatis. Sporæ ellipticæ incolores 1-septatæ longit. 0,014-20, crassit. 0,006-8 mm (duplo ad triplum longiores quam crassæ). Gelatina hymenea iodo pallide cœrulescens. — Unica hujus generis species sporas 1-septatas procreans. — Super truncos denudatos *Phœnicis dactyliferæ* socia *Lecanoræ athrodis* var. *extritæ* ad Scheikh el Khreir (Bir Krer cl. Ehrenbergii) in Aegypto marmarica: Sickenberger. — Endem.

1570. In Usambara: Holst.

1571. In Usambara: Holst.

1572. In regione zambesica: Menyharth. — Var. **expallidum** Müll. Pyrenoc. Féean. p. 16. — Corticicola in Usambara et prope Dar-es-Salam: Holst. — Guadeloupe.

1574^{bis}. **Trypethelium purpurascens** (Müll. in Engl. Jahrb. XX p. 296). — Corticicola in Usambara: Holst. — Endem.

1584. Cfr. 1521 supra. Etiam in Tahiti et in Nova Caledonia.

1585. Monente Nyl. in Hue Exot. 3350 forma est *Verr. variolosæ*.

1585^{bis}. **Astrothelium fugax** Müll. in Engl. Jahrb. XX p. 297). — Corticicola in Usambara: Holst. — Endem.

1585^{ter}. **Astrothelium consanguineum** Müll. in Engl. Jahrb. XX p. 297. — Corticicola in Usambara: Holst. — Endem.

1587. Etiam in America septentrionali.

1589^{bis}. **Mycoporum pycnocarpum** Nyl. in Flora 1858
p. 381. — Corticicola in regione zambesica: Meny-
harth et in Usambara: Holst. — Austral., Amer. sept.,
Mexico, Nov. Granat., Brasil.

1589^{ter}. **Mycoporum pycnocarpoides** Müll. in Engl. Jahrb.
XX p. 290. — Corticicola in Usambara: Holst. —
Endem.

* * *

Plerique libri et commentarioli, quibus usi eramus in
hiscе conscribendis, in ipso tenore præmissorum enumerati
et suo quisque loco digesti sunt.

Reliquum est, ut addamus et copiam nobis factam esse
numeri lichenum copiosissimi ex Aegypto missorum et Li-
chenes Algeriensis exsiccatos, quos edidit Dominus Flagey,
per Doctorem Arnold Monacensem aliquantum temporis
nobis commodatos fuisse, qua quidem re scientiam Lichenum
Africorum nostram magnopere et multifariam amplificatam
esse libere et ingenue confitemur.
