Lichenes Brasilienses,
collecti a D. A. Glaziou in provincia brasiliensi Rio Janeiro,

auctore Doct. A. de Krempelhuber.

(Continuatio.)

296. *Arthonia polymorpha* Ach. Syn. p. 7; Nyl. Prodr. Lich. Nov. Gran. 2, p. 105.

Ad lignum putridum, inmixtis multis spermogoniis et ad cortices laeves (coll. 3230 et 5380).

Sporae elongato-ovoideae, 5-septatae, hyalinae, long. 0,022—027, crass. 0,006—007 mm.

297. *Arthonia interducta* Nyl. Prodr. Lich. Nov. Gran. 2. p. 98.

Corticola (coll. 3411).

Sporae 8-nae, hyalinae, ovoideae 3-septatae, long. 0,016, crass. 0,004—005 mm.

Sporis minoribus differt species Brasil. a speciminibus ex America septentr.

298. *Arthonia complanata* Fée Ess. p. 54, supplem. p. 39; Nyl. Prodr. Lich. Nov. Gran. 2. p. 106.

Corticola (coll. 3837).

Sporae 4—6 in asco, oblongo-ovoideae, 5-septatae, primo hyalinae, tandem pallido-olivaceae, long. 0,022—024, crass. 0,007—008 mm.

299. *Arthonia fissurinella* Nyl. in Flora 1869, p. 125, sp. n.

Thallus albidus vel albido-cinerascens tenuissimus opacus subrugulosus indeterminatus (vel subdeterminatus); apothecia incoloria albido-suffusa parvula (lat. 0,2—0,3 mm.), fissuriniformia erumpentia lanceolata vel subangulosa, margine thallode suberecto circumcincta; sporae 8nae incolores oviformi-oblongae 5—9-septatae, long. 0,024—036 mm., crass. 0,008—010 mm. — Jodo gelatina hymenialis vinose rubens.

(coll. 1925, 3356, 3441).

Species facie fissurinea facillime agnoscenda. Apothecia long. 0,5—1,5 mm.

300. *Arthonia sideralis* Ach.

Corticola (coll. 2788).

301. *Arthonia Antillarum* (Fée Ess. Supplem. p. 94 sub *Coniocarpon*) Nyl. Syn. Lich Nov. Caled. p. 61, *Arthonia abnormis β varia* Ach. Syn. p. 86 secund. Nyl.)

Ad cortices ex. gr. Betulae (coll. 5111, 6321).

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Etiam prope Calcuttam (S. Kurz) et in Nov. Caledonia (Deplanche).

302. *Glyphis cicatricosa* Ach. Syn. p. 107; Fée Ess. p. XC. tab. 1, fig. 19; Eschweil. Lich. Bras. in Mart. Flor. crypt. Bras. p. 166; Nyl. additam. in flor. crypt. Chilens. p. 173.

Ad cortices (coll. 2768, 2773, 2774).

var. *favulosa* (Ach.)

Ad cortices (coll. 5058, 5482).

Color thalli Hydrate kalico non mutatur.

303. *Glyphis confluens* (Mont. Lich. Gyan. in Cent. III. Lich. exot. p. 81).

Corticola (coll. 3400, 3401).

304. *Glyphis cribosa* Fée Mém. lichenogr. *Glyphis*, pag. 36, tab. III, fig. 1. (ex descript. et icone cit.)

Corticola (coll. 5037)

Specimen originale hujus lichenis non vidimus, determinatio non omnino certa.

In ambobus speciminibus Brasiliensibus, quae coram habemus, sporae desunt.

Caeterum species jam primo intuitu thallo suo, maculam tenuem testaceam efformante, a congeneribus distinguenda.

305. *Chiodecton intercinctum* Krph. spec. nov.

Thallus glaucescens vel pallide olivaceus, ruguloso-inaequalis, ambitu linea tenui nigra cinctus et hinc inde ab ea decussatus; apothecia in stromatibus thallo concoloribus numerosis, dispersis, rotundato- vel oblongo-difformibus, prominulis, lat. circ. 1,0 mm., nigricantia, punctiformia, conferta et confluentia (libenter etiam, praesertim juniora, seriatim disposita); sporae aciculares, gracillimae, rectae vel leviter arcuatae, long. 0,037—041, crass. 0,0015—002 mm., in ascis angustis; perithecium cum hypothecio nigrum; paraphyses capillares, bene conspicuae. Gelat. hymenea jodo coerulescens.

Ad cortices (coll. 5567).

Stromata apotheciifera singularia vel saepe plura confluentia, thallo concoloria, at supra circa apothecia plerumque expallescentia.

306. *Chiodecton frustulosum* Krph. sp. nov.

Thallus nullus vel obsoletus; apothecia atra, minuta, punctiformia, plura singularia vel confluentia in verrucis cinereis aut albidis, parvis, rotundatis (convexulis) vel deformibus, in hypothallo atro praedominante numerose dispersis, hinc inde aggregatis aut approximatis, demersa; sporae . . . . . .

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Ad saxa quartzosa (coll. 3301).

Verrucae magnitudine varia, diam. circ. 1,0 mm. intus profunde atrae; apothecia in verrucis demersa, extus punctis atris, saepe confluentibus visibilia verrucaeque in hypothallo atro tenui ita dispersa, ut hic praedominet.

Nec sporas nec vestigia hymenii in verrucis invenimus, itaque hic habemus speciem sine dubio novam generis Chiodecton, quae quidem *Chiodecton petraeo* Del. affinis videtur, sed adhuc dubia et ulterius inquirenda est.

307. *Chiodecton rubro-cinctum* (Ehrbg.) Nyl.
(coll. 1829, 1830, 1928, 1953, 1991, 3420, 3233).
Specimina omnia sterilia.

308. *Chiodecton laevigatum* (Fée in herb.) Krph. in Flecht. aus Amboina Sep. p. 9.

Thallus sordide flavescens vel virescens, lividus, opacus, membranaceo-byssoideus, mollis, substrato adpressus, ambitu dilutius coloratus ibique sinuatus, subeffiguratus.

Apothecia in thallo efformantia stromata thallo albiora, prominula, parva, oblonga vel subglobosa, solitaria vel confluentia, numerosa, punctis atris minutissimis consita. Sporae 8nae, anguste fusiformes, rectae, 4—6-septatae, minutae, hyalinae, long. 0,023—025, crass. 0,004—005 mm.

Ad cortices (coll. 3206); in Guadeloupe (L'Herminier.)

309. *Chiodecton sphaerale* Ach. Ach. Syn. p. 108; Fée Ess. p. 62, tab. 17, f. 1.

Corticola (coll. 1960).

310. *Chiodecton farinaceum* Fée Ess. Supplem. p. 50; *Chiodecton perplexum* Nyl. Prod. Lich. Nov. Gran. 2 p. 109; supplem. p. 574.

Corticola (coll. 3248).

Apothecia sine sporis, determinatio itaque non plane certa, caeterum specimina nostra omnino cum spec. orig. Féeano congruentia.

311. *Chiodecton nigro-cinctum* Mont. Syll. p. 356.
Ad cortices (coll. 5543), sterile.

Pyrenocarpei.

312. *Verrucaria cinerella* Fw., Nyl. Expos. syn. Pyrenoc. p. 60.
Ad cortices laeves (coll. 5032).

313. *Verrucaria punctella* Nyl. Expos. syn. Pyrenoc. p. 46.
Corticola (coll. 3462).

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Sporae 8nae, oblongae vel ellipsoideae, pallide olivaceae 4-oculares, long. 0,033—035, crass. 0,013 mm. —

314. *Verrucaria nitida* (Schrad.) Ach.

Ad cortices (coll. 3217 et forsan 5539, 6274).

Sporae 4-loculares, ellipsoideae, long. 0,017, crass. 0,008 mm., pallide-olivaceae.

Specimina Nr. 5539 et 6274 sine sporis, dubia.

315. *Verrucaria marginata* Hook.; Nyl. Expos. syn. Pyrenoc. p. 45.

Ad cortices (coll. Nr.3422); apothecia usque ad 3,0 mm. lata, depressa, nuda; sporae 8, ellipsoideae, 4-loculares, pallido-olivaceae, long. 0,020—023, crass. 0,008 mm.; paraphyses conspicuae, filiformes, graciles, longae. Macula thallina a linea angusta, nigricante cincta.

Corticola (coll. 3422).

316. *Verrucaria tropica* Ach.; *V. Gaudichaudii* Fée Ess. p. 87: Supplem. p. 86: Nyl. Expos. syn. Pyrenoc. p. 57.

Corticola (coll. 3417).

Sporae oblongae, hyalinae, 4-loculares, long. 0,022—023, crass. 0,005—006 mm.

317. *Verrucaria xyloides* Eschweil. in Mart. Flor. Bras. p. 126.

Corticola (coll. 3423).

Sporae 8, oblongae vel fusiformi-oblongae, pallido-olivaceae, long. 0,017, crass. 0,005—008 mm., 4-loculares, loculis angulosis (subcrystalliformibus), vulgo uniseriatis, et sese tangentibus.

Thallus spadiceus, tenuis, subnitidus.

318. *Verrucaria Cinchonae* Ach., Krphb. in Warming Symbol. ad Fl. Bras. p. 394 (sub *Verruc. punctiformi* Hepp tab. I. fig. 16.)

Corticola (coll. 5026, 6327, 6313, 6328, 5483).

319. *Verrucaria prostans* Mont. in Ann. sc. nat. II. tom. 19 p. 53

Ad cortices (coll. 5023 a. 5419).

Thallus interdum (Nr. 5419) nigrocinctus; sporae oblongo-ovoideae, 1-septatae, long. 0,017—028, crass. 0,006—011 mm.; loculo uno plerumque altero majore; perithecium dimidiatum, basi incurvatum; paraphyses longae, gracillimae, nonnihil intricatae et flexuosae. Sporis et apotheciis majoribus a simillima *Verrucaria Cinchonae* Ach. nostro sensu differens.

(Continuatur).

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