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

auctore Doct. A. de Krempelhuber.

(Continuatio.)

92. *Lecanora subhaematites* Krph. spec. nov.; *Lecanora subaurantiaca* Fée Bullet. soc. bot. Fr. XX. p. 314.

Thallus cinerascens vel albidus, rugulosus aut ruguloso-inaequalis, subglebulosus, (ut videtur) indeterminatus; apothecia mediocria (diam. 0,8 mm.) sessilia, numerosa, disco plano aurantiaco aut ferrugineo-rubro, margine thallode tenui subevanescente cincto; sporae 8nae, ellipsoideae, hyalinae, polari-diblastae (placodinae), long. 0,013—014, crass. 0,006—007 mm.; hypothecium albidum, paraphyses gracillimae, haud discretae, sed bene perspicuae.

Ad saxa quartzosa et micacea prope oras maris (coll. 3501, 3285, 3845).

Affinis *Lecanorae haematiti* (Chaub.), minus *Lecanorae aurantiacae* vel *L. ferrugineae* et forsan tantum *Lecanorae haematitis* forma saxicola.

93. *Lecanora sulphureo-atra* Krph. spec. nov.: *Lecanora atroviridis* Fée Bullet. soc. bot. Fr. XX, p. 312.

Thallus pallide sulphureus subgranulato-inaequalis, crassiusculus, profunde rimulosus; apothecia majora (diam. circ. 1,0 — 1,3 mm.), numerosa, dispersa, passim aggregata, thallo adnata, disco atro-viridi opaco plano vel convexiusculo, margine thallino crenulato cincto; sporae 8nae, hyalinae, ovoideae aut ellipsoideae, long. 0,015—016, crass. 0,007—008 mm.; paraphyses firmae, rectae, capitulis smaragdinis; hypothecium atrum.

Ad saxa granitica (coll. 3487).

Affinis *Lecanorae atrosulphureae* Wahlbg., sed apotheciorum forma, et sporis majoribus diversa.

94. *Lecanora multifera* Nyl. Prodr. Lich. Nov. Gran. ed. 1, (separ.) p. 31.

Corticola (coll. 2203).

Sporae long. 0,005—007, crass. ca. 0,002 mm.

95. *Lecanora xanthobola* Krph. spec. nov.; *Lecanora microcarpa* Fée Bullet. soc. bot. Fr. XX, p. 314.

Thallus microphyllinus vitellinus, e squamulis valde minutis, subrotundis vel deformibus, ambitu vario modo leviter incisis,

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crenulatis, partim dispersis, partim approximatis, omnino (ut videtur) irregulariter dispositis constitutus, hypothallo atro, ubique inter squamulas visibili, adpressis; apothecia dispersa, minuta, disco plano aurantiaco margine tenui thallo concolore cincto; sporae 8nae, late ellipsoideae aut subglobosae, hyalinae, polaridiblastae, long. 0,010 — 011, crass. 0,006 — 008 mm.; paraphyses firmae, rectae.

Ad saxa silicea (coll. 3503).

Species quoad faciem externam et obiter visa formae minutae *Lecanorae epanorae* Ach. similis.

Diagnosim a cel. Féeo l. c. de hoc lichene datam intelligere non valemus; minime quadrat in specimen nostrum No. 3503.

Etiam nomen specificum ab hoc auctore l. c. propositum, longe refutamus. —

96. *Lecanora pallido-fusca* Krph. spec. nov.

Thallus albidus, crustam tenuem inaequalitates substrati continue obducentem, determinatam et interdum ambitu linea nigra angusta cinctam, efformans; apothecia adnata, numerosa, mediocria (diam. 0,7 mm.), disco pallide fusco mox convexo a margine thallino tenui integro jamjam recedente et subevanido cincto; sporae 8nae, ellipsoideae, simplices, hyalinae, long. 0,011—012, crass. 0,005—006 mm.; hypothecium pallide carneum.

Ad saxa granitica, Capacabana, prope littora maris (coll. 3286 a, 3500).

Species e stirpe *Lecanorae subfuscae* Ach., habitu generali et apotheciorum forma certe distincta. Superficies thalli hydrate kalico laete luteovirens.

Forma *depressa* Fée Bullet. de la soc. bot. de Fr. XX (1873) p. 312, pr. p.

Thallo rimuloso et apotheciis planis, aggregatis, depressis scilic. thallo plus minus immersis, nonnihil a typo differens.

Ibidem (coll. 3286 b).

97. *Lecanora (Callopisma) peragrata* spec. nov. (Fée Bullet. soc. bot. Fr. XX, p. 317 sub *Lecidea*) Krph.; *Lecidea puncticulosa* Fée ibid.

Thallus griseus aut albido-cinereus, tartareus, tenuis, crustam laevem, tenuissime et irregulariter rimulosam, inaequalitates substrati continue obducentem, suborbiculariter dilatatam efformans, hypothallo atro; apothecia minuta (diam. circ. 0,5 — 0,6 mm.) sparsa, ferrugineo-fusca vel ferrugineo-nigricantia, adnata et subinnata, biatorina, disco convexiusculo immarginato, aut lecanorina

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disco planiusculo, basi a thallo obsolete marginato; sporae 8nae, ellipsoideae, hyalinae, polari-diblastae, long. 0,011—012, crass. 0,005—006 mm.; paraphyses breviusculae, graciles, conspicuae, hypothecium albidum.

Superficies thalli hydrate kalico statim laete viridi-lutea.

Ad saxa granitica (coll. 3297, 3298, 3846, 3848).

Capacabana, prope oram maris.

Affinis *Lecanorae polioterae* Nyl. in Flora 1869, p. 70, e Bengalia, differens ab hac apotheciis nonnihil majoribus et thallo aliter formato.

Superficies thalli in nostro lichene, qui occupat in saxo spatia majora (diam. 6—8 centimetr.) suborbicularia, ambitu determinato, plerumque rimulis gracillimis ramosis atris singulari modo ubique apparet peragrata, caeterum plana vel hinc inde nonnihil tuberculosa.

Nomen huic licheni a Féeo datum parum conveniens.

98. *Lecanora rufidula* Fée Ess. Supplem. p. 116 (ex descript.); *Lecanora camptotheca* Fée Bullet. bot. Fr. XX, p. 314.

Sporae 6—8nae, anguste fusiformes vel aciculares, nonnihil curvatae, hyalinae, 12—16-septatae, long. 0,044—055, crass. 0,003—004 mm., hymenium lutescens, hypothecium rubicundum, paraphyses gracillimae, conglutinatae (sed conspicuae) difficile discedentes, longae, rectae; apotheciorum discus rufus, margine thallino tenui crenulato cinctus.

Ad cortices (coll. 5541 et 5518 a).

Affinis *Lecanorae puniceae* Ach., sed apotheciorum discus rufus, sporae angustiores.

Caeterum determinatio speciminum nostrorum, madore in cista, qua inclusa e Brasilia erant missa, nonnihil affectorum non omnino certa, specimine authentico *Lecanorae rufidulae* Fée a nobis non viso.

99. *Lecanora livescens* Krph. spec. nov.

Thallus pallide cinerascens, sat tenuis, aequabilis, subrugulosus, opacus, linea atra determinatus; apothecia mediocria, numerosa sed dispersa, adnata, disco livido vel (rarius) pallido-fusco-sublivido, plano demum convexiusculo, margine thallino tenui integro, demum subevanido; sporae 8nae, ellipsoideae, hyalinae, simplices, long. 0,011—013, crass. 0,006—008 mm.; paraphyses haud discretae neque bene conspicuae; hypothecium fuscescens.

Ad cortices (coll. 5518 b).

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Species maculas mediocres nigro-cinctas in cortice efformans e stirpe *Lecanorae subfuscae*, affinis *Lecanorae sublividae* Nyl. Syn. Lich. Nov. Caled. p. 26, sed apotheciis non confertis et hypothecio fuscescente differre videtur.

100. *Lecanora atra* Ach. Lich. univ. p. 344; Nyl. Prodr. Lich. Scand. p. 171; *Lecanora nigerrima* Fée im Bullet. soc. bot. Fr. 1873, p. 311. —

Corticola (coll. 6261).

Sporae 8nae, ellipsoideae, simplices, hyalinae, long. 0,011 bis 013, crass. 0,006 mm.; hypothecium atrum.

101. *Lecanora punicea* Ach. Syn. p. 174; Nyl. Prodr. Fl. Nov. Gran. 2. p. 35.

Ad cortices (coll. Nr. 3425. a).

102. *Lecanora pruinata* Krph. spec. nova;

Lecanora albescens Feé spec. nov. Bullet. soc. bot. France, tom. XX, 1873, p. 313.

Sporae 8, hyalinae, ellipsoideae vel ovoideae, simplices, long. 0,011—0,13, lat. 0,005—008 mm.; hypothecium tenue, carneum.

Valde affinis *Lecanorae blandae* Nyl. et ab hac apotheciis majoribus, magis emersis, flexuosis et sporis minoribus parum differens.

Thalli reactio chemica hydrate kalico adhibito eadem ac in *Lecan. blanda* Nyl., quacum lichen noster forsan conjungendus sit.

Ad saxa granitica (coll. Nr. 3486.).

Nomen specificum a Féeo huic licheni datum, jam diu obsoletum, refutandum esse putavimus. —

103. *Lecanora blanda* Nyl. Lich. exot. p. 219; Prodr. Fl. Nov. Granat. 2. p. 32: Additam. p. 541; *Lecanora clandestina* Fée spec. nov. Bullet. Soc. bot. Franc. XX, 1873, p. 313.

Sporae 8, hyalin., ellipsoideae, simplices, long. 0,013—015, lat. 0,006—008 mm. Apothecia intus pallida.

Thallus hydrate kalico flavescit dein purpurascit vel rubescit.

Ad saxa granitica (coll. Nr. 7122, 5116 et 5117.). —

104. *Lecanora* (*Callopisma*) *aurantiaca* (Lightf.); Nyl. Prod. Lich. Scand. p. 1421 *Lecan. elegans* Ach., Feé Bullet. soc. bot. Fr. XX, p. 314.

var. *erythrella* (Ach.) Nyl. l. c.

Ad saxa granitica (coll. Nr. 3292).

105. *Lecanora subfusca* Ach.

var. *subcrenulata* Nyl. Syn. Lich. Nov. Caled. p. 26.

Corticola (coll. 1951).

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var. *argentata* Ach.
Corticola (coll. 3427).
var. *atrynea* Ach.
forma *apotheciis pallide-fusescentibus.*
Sporae long. 0,011—012, crass. 0,005—006 mm.
Ad saxa granitica (coll. Nr. 3488).
var. *distans* (Pers.) Nyl.
Ad cortices (coll. Nr. 5481). —
f. *chlarona* Ach.
Corticola (coll. 1921, 1923.); saxicola (coll. Nr. 5122).
f. *angulosa* Ach.
Ad saxa (coll. Nr. 5124).

(Continuatur.)

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