

Beiblatt zur „Hedwigia“

für

Kleinere Mittheilungen, Repertorium der Literatur und Notizen.

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A. Kleinere Mittheilungen.

Lichenes quos in Madagascaria centrali Dr. C. Forsyth Major a. 1896 collegit.

Determinavit et enumeravit Edw. A. Wainio.

Usnea barbata (L.) Ach.* *U. florida* (L.) Wain. var. *comosa* (Ach.) Wain., Etud. Brés. I p. 3. Ad ramos arborum in monte Anteby prope Ambositra (628), in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (462). Ster.

Var. *mollis* (Stirt.) Wain., l. c. p. 4. Ad ramos arborum in silva Ambohimitombo 1350—1440 metr. s. m. (461 pr. p.). Ster.

Var. *perplexans* (Stirt.) Wain., l. c. p. 5. Ad ramos arborum in silva Ambohimitombo 1350—1440 metr. s. m. (461 pr. p.). Ster.

Var. *subelegans* Wain., l. c. p. 6. Ad ramos arborum in silva Ambohimitombo 1350—1440 metr. s. m. (461 pr. p.). Ster. Ad formam *sorediosam* pertinet.

Parmelia proboscidea Tayl. *Saxicola* in monte Anteby prope Ambositra (629). *Sterigmata* pr. p. *nigricantia*, *Pycnoconidia* *aciculari-bifusiformia* aut *acicularia* aut *cylindrica*, *recta*, long. 0,007—0,010 millim. *Medulla* KHO (CaCl_2O_2) *rubescens*. In silva Ivohimanitra (93) Ster.

P. melanothrix (Mont.) Wain., f. *regressa* Wain. *Thallus* et *apothecia* *parcius ciliata*. *Medulla* KHO (CaCl_2O_2) non reagens. *Sporae* long. 0,018—0,016, *crass.* 0,009 millim. *Thallus* *esorediatus*. In *ramulis arborum* in silva ad Ivohimanitra (92).

P. Nilgherrensis Nyl. *Thallus* *marginis sorediosus et ciliatus*. *Medulla* KHO non reagens, CaCl_2O_2 *leviter rubescens*. Ad ramos arborum in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (463). Ster.

P. cetrata Ach. f. *sorediifera* Wain., Etud. Brés. I p. 40. Ad *corticem arboris* in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (578). Ster.

P. isidiza Nyl., Fl. 1885 p. 612, Wain., Etud. Brés. I p. 53. *Supra muscos* in rupe in silva Ambohimitombo ad Tanala (525). Ster.

P. Granatensis Nyl., Fl. 1885 p. 613. In silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (564). *Thallus* *parce isidiosus*. *Medulla* KHO (CaCl_2O_2) *leviter rubescens*.

P. Majoris Wain. (n. sp.). *Thallus* *superne albidus aut glaucescenti-albidus*, *subtus niger aut ambitu castaneus*, *adpressus*, *glaberrime*

iteratim dichotome laciniatus, laciniis 5—0,5 millim. latis, planiusculis, conniventibus axillisque rotundatis, axillis lacinularum apicalium rotundato-patentibus, apicibus rotundato-subtruncatis, isidiis destitutus, sorediis semiglobosis albidis subapicalibus instructus, ceterum laevigatus, KHO superne lutescens, subtus rhizinis crebris, brevibus, simplicibus aut parce ramosis fere usque ad apices laciniarum instructus, medulla alba, KHO lutescente et demum rubescente. Affinis est *P. sinuosae* (Sm.) Nyl. (Hue, Addend. p. 42, Lojka, Lich. Univ. n. 8), quae rhizinis marginalibus ramosis et laciniis inferne medio subglabris, magis regulariter sublinearibus a *P. Majoris* differt. Corticola in silva Ambohimitombo ad Tanala (575). Ster.

P. Madagascarensis Wain. (n. sp.). Thallus superne albidus aut glaucescenti-albidus, subtus niger aut ambitu castaneus, adpressus, creberrime iteratim dichotome laciniatus, laciniis 3—1 millim. latis, planiusculis, conniventibus axillisque rotundatis, axillis lacinularum apicalium rotundato-patentibus, apicibus rotundato-subtruncatis, isidiis destitutus, sorediis semiglobosis cinerascanti-stramineis subapicalibus instructus, ceterum laevigatus, KHO superne lutescens, subtus rhizinis brevibus, ramosis, crebris aut partim increbris fere usque ad apices laciniarum instructus, medulla straminea, KHO lutescente, $\text{CaCl}_2 \text{O}_2$ non reagente. Affinis est *P. aurulentae* Tuck., Syn. North Am. p. 56, quae thallo rugoso et sorediis supra laminam thalli sparsis a *P. Madagascariensi* differt. Supra muscos in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (562). Ster.

P. revoluta Floerk.; Wain., Etud. Brés. I p. 51. Corticola in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (460 pr. p.). Ster.

Anaptychia leucomelaena (L.) Wain. var. *multifida* (Mey. et Flot.) Wain. Ad ramos et truncos arborum in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (460 pr. p.). Fert.

A. podocarpa (Bél.) Trev.; Wain., Etud. Brés. I p. 130. Corticola in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (570). Fert.

A. hypoleuca (Mühlenb.) Wain., l. c. p. 133. Corticola in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (529, 565 pr. p.). Etiam fert.

A. speciosa (Wulf.) Wain. Corticola in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (563). Ster.

Peltigera polydactylon (Neck.) Hoffm. var. *dolichorrhiza* (Nyl.) Müll. Arg., Lich. Beitr. (1883) n. 560. Ad plantas destructas in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (474). Ster.

P. leptoderma Nyl., Syn. Lich. p. 325; Wain., Etud. Brés. I p. 181. Ad plantas destructas in silva Ambohimitombo ad Tanala 1350—1440 ped. s. m. (518, 522). Ster.

Pseudocyphellaria aurata (Ach.) Wain., Etud. Brés. I p. 183. Ad corticem et ramos arborum in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (566, 571). Ster.

Ps. crocata (L.) Wain. Corticola in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (581, 582). Ster. Thallus KHO superne non reagens, intus lutescens.

Ps. carpoloma (Del.) Wain. In silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (554, 567, 583, 587). Etiam fert.

Thallus K H O superne non reagens, intus lutescens. N. 554 et 583 ad f. Desfontainii (Del.) Nyl. pertinent.

Ps. Mougeotiana (Del.) Wain. var. *dissecta* Müll., Lich. Knight. p. 27. In silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (576). Ster.

Ps. argyracea (Bor.) Wain. 1350—1440 metr. s. m. in silva Ambohimitombo ad Tanala (460 pr. p., 464). Apotheciis juvenilibus.

Ps. intricata (Del.) Wain. var. *Thuarsii* (Del.) Nyl. In silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (543). Ster.

Sticta variabilis (Bor.) Ach. Ad ramos arborum in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (555). Ster.

St. fossulata Duf. var. *subcyphellata* Nyl., Syn. Lich. p. 363, Stizenb., Die Grübchenflecht. p. 114. Ad ramos arborum in silva Ivohimanitra (96) et Ambohimitombo ad Tanala 1850—1440 metr. s. m. (457). Etiam fertilis. Thallus neque K H O nec $\text{Ca Cl}_2 \text{O}_2$ reagens, at his reagentiis unitis medulla leviter rubescens, laciniis circ. 2—1,5 millim. latis.

St. damaecornis (Sw.) Ach. In silva Ivohimanitra (94) et Ambohimitombo ad Tanala 1350—1440 metr. s. m. (465, 467, 469, 472, 552). Etiam fertilis.

**St. sinuosa* (Pers.) Nyl. Ad ramos arborum in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (455, 584). Fert.

St. Ambavillaria (Bor.) Wain., Etud. Brés. I p. 187. Corticola in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (579, 589). Fert.

St. fuliginosa (Dicks.) Ach. Corticola in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (521, 528). Ster.

St. orbicularis (Al. Br.) Nyl., Syn. Lich. p. 350, Müll. Arg., Lich. Beitr. (1878) n. 86. Corticola in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (574). Fert.

St. Weigelii (Ach.) Wain., Etud. Brés. I p. 189. In silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. Ster.

Lobaria retigera (Ach.) Wain., Etud. Brés. I p. 194. Corticola in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (569, 574 pr. p.). Ster.

Var. *isidiosa* Müll. Arg., Lich. Beitr. (1882) n. 393. Corticola in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (470). Ster.

Var. *leptalea* Wain. Supra muscos in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (473). Thallo multo tenuiore a var. *isidiosa* Müll. Arg. differt. Ster.

L. marginata (Müll. Arg.) Wain. *Ricasolia marginata* Müll. Arg., Lich. Beitr. (1884) n. 807. Corticola in silva Ambohimitombo ad Tanala 1350—1440 (466, 456). Thallus neque K H O nec $\text{Ca Cl}_2 \text{O}_2$ reagens. Sporae long. 0,054, crass. 0,006 millim., 3-septatae.

Erioderma unguigerum (Bor.) Nyl., Syn. Lich. II p. 47. Corticola in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (515, 545, 577). Fert.

E. polycarpum Fée. Corticola in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (544, 549). Fert.

E. Groendaliana (Ach.) Wain. *E. Chilense* Mont., Fl. Chil. (1852) p. 102, Nyl., Syn. Lich. II p. 48. Corticola in silva Ambohimitombo ad Tanala 1350—1440 ped. s. m. (546, 586). Fert.

Sticta Groenlandiana Ach., Lich. Univ. (1810) p. 452, secund. specim. orig. in herb. Ach. thallo subtus nervoso flavo instructa est, quare identica cum *E. Chilensi* Mont. est.

Pannaria lurida (Mont.) Nyl., Syn. Lich. II p. 28. Ad ramulos arborum in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (513, 551). Fert.

Ad f. cyanorhizam Wain., rhizinis demum caeruleonigricontibus dignotam, haec specimina pertinent.

P. Mariana (Fr.) Müll. Arg., Lich. Beitr. n. 1159, Wain., Etud. Brés. I p. 205. Corticola in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (556). Fert.

Ad f. cinerascensem Müll. Arg., Lich. Victor. (1891) p. 276, pertinet.

Coccocarpia pellita (Ach.) Müll. Arg. var. smaragdina (Pers.) Müll. Arg. (Wain., Etud. Brés. I p. 210). Corticola in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (514, 520). Fert.

Leptogium inflexum Nyl., Syn. Lich. p. 132. Corticola in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (539 pr. p.). Fert.

L. tremelloides (L. fil.) Wain., Etud. Brés. I p. 224. Muscicola in silva Ivohimanitra (95). Corticola in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (537 pr. p.). Etiam fert.

L. caesium (Ach.) Wain., l. c. p. 225. Corticola in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (537 pr. p., 540 pr. p., 547). Ster.

L. phyllocarpum (Pers.) Nyl. In silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (532, 539 pr. p., 540 pr. p., 541, 572). Fert.

F. caerulescens Nyl., Syn. Lich. p. 130. Corticola in silva Ambohimitombo ad Tanala (588, cet.). Ster.

Cladonia rangiferina (L.) Web. v. *crispatula* Nyl. (Wain., Mon. Clad. Univ. I p. 17). In silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (461 pr. p.). Ster.

Cl. aggregata (Sw.) Ach. In silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. Ster.

Cl. rangiformis Hoffm. In silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (513 pr. p.). Ster.

Pilocorpon leucoblepharum (Nyl.) Wain., Etud. Brés. II p. 89. Corticola in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m.

Sphaerophorus Madagascareus (Nyl.) Wain. *Sphaerophoron Madagascareum* Nyl. in Cromb. Lich. Madagasc. (1876) p. 409. *Pleurocybe Hildebrandtii* Müll. Arg., Lich. Beitr. (1884) n. 803, 804 (secund. specim. orig.). Ad truncos vetustos in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. (461). Fert. Thallus neque superne nec inferne K H O reagens, at intus K H O lutescens.

Sph. diplotypus Wain. (n. sp.). Affinis est *Sph. Madagascareo*, a quo apotheciis terminalibus, sympodio fertili clavaeformi-incrassato et thallo intus minus late cavernoso, superne K H O lutescente differt. Genus *Pleurocybe* Müll. Arg. ita cum *Sphaerophoro* connectit. Thallus fruticosus, subprostratus, superne glaucescens, subtus albus, repetito-dichotome ramosus, leviter compressus aut passim fere teres, totus sat laevigatus, subtus haud distincte rugosus, ramis sterilibus 1—0,5 millim. crassis, ramis fertilibus sympodium

clavatum, apice 1,5—3 millim. crassum formantibus, superne et intus K H O lutescens, subtus non reagens. Stratum medullare medio laxissime stippeum, passim etiam cavernosum. Apothecia 2—1,5 millim. lata, disco fuligineo convexo, margine tenui parum lacerato. Ad ramos motuos arborum in silva Ivohimanitra (97).

Normandina pulchella (Borr.) Leight. Ad corticem arborum in silva Ambohimitombo ad Tanala 1350—1440 metr. s. m. Ster.

Lichenes in Erythraea a Doctore K. M. Levander a. 1895 collecti.

Enumeravit Edv. A. Wainio.

1. *U. barbata* (L.) Ach. * *U. florida* (L.) Wain.

Var. *mollis* (Stirt.) Wain. f. *elegans* Stirt. (Wain., Etud. Brés. I p. 5). Ad corticem et ramulos arborum prope Ghinda. Stratum myelohyphicum laxo contextum, K H O lutescens.

F. denudata Wain., l. c. Ad corticem Euphorbiae inter Ghinda et Asmara. Stratum myelohyphicum K H O non reagens.

2. *U. angulata* Ach. * *U. goniodes* Stirt., Wain., l. c. p. 12. Ad corticem Euphorbiae inter Ghinda et Asmara, cum apoth. Stratum myelohyphicum neque K H O nec I reagens.

3. *Ramalina complanata* (Sw.) Ach., Wain., l. c. p. 21. Ad corticem Euphorbiae inter Ghinda et Asmara.

4. *Parmelia olivetorum* Ach., Nyl. in Hue, Lich. Exot. p. 73. Ad corticem Euphorbiae inter Ghinda et Asmara. Thallus K H O superne lutescens, intus non reagens, medulla $\text{Ca Cl}_2 \text{O}_2$ intense rubescens.

5. *P. Nilgherrensis* Nyl., Fl. 1885 p. 608, Wain., l. c. p. 30. Ad corticem arborum prope Ghinda, ster. Thallus margine ciliatus et passim etiam sorediosus. Medulla K H O non reagens, addito $\text{Ca Cl}_2 \text{O}_2$ rubescens ($\text{Ca Cl}_2 \text{O}_2$ solo non reagens aut leviter rubescens). Habitu simillima est *P. proboscideae* Tayl.

6. *P. coralloidea* (Mey. & Flot.) Wain., l. c. p. 33. Ad corticem arborum locis numerosis prope Ghinda, cum apoth.

7. *P. cetrata* Ach. f. *sorediifera* Wain., Etud. Brés. I p. 40. Ad corticem arboris prope Ghinda, ster.

8. *P. isidiza* Nyl., Fl. 1885 p. 612, Wain., l. c. p. 48. Ad corticem arboris prope Ghinda, ster.

9. ***P. Asmarana*** Wain. (n. sp.). Ad corticem Euphorbiae inter Ghinda et Asmara, ster. Thallo similis *P. tiliaceae*, at demum centrum versus soraliis rotundatis adpersa et $\text{Ca Cl}_2 \text{O}_2$ non reagens. Thallus isidiis destitutus, superne glaucescenti-albidus, intus albus, adpressus, planus, laevigatus, ciliis marginalibus destitutus, subtus hizinis brevibus, nigris, crebris, ad ambitum papillaeformibus instructus, K H O superne lutescens, intus non reagens. Affinis est *Parmeliae Müllerii* Wain., Etud. Brés. I p. 49.

10. *Candelaria concolor* (Dicks.) Wain., Etud. Brés. I p. 70. In rupe ad Asmara parce fortuitoque lecta.

11. *Lecanora castanoplaea* Nyl., Fl. 1881 p. 538, Hue, Addend. p. 82, Lojka, Lich. Hung. n. 182. In rupe ad Asmara, ster. Nomen antiquius est *L. incusa* (Flot.) Wain. in Lich. Caucas.

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