

Vermicularia crassipila Karst. (N. sp.)

Spermogonia gregaria, cortici innata, subsphaeroidea, atratula, contextu subcarbonaceo, vertice emergente setis strictis divergentibus, rigidis, obtusis, atris, brevibus (45—90 mm longis), crassis (basi 10—15 mm), septatis obsessa, latit. circ. 0,2 mm. Spermatia fusoido-bacillaria, curvula, hyalina, longit. 18—27 mm, crassit. 3 mm.

In cortice *Tiliae ulmifoliae* in regione aboënsi, Merimasku, m. Junii 1869.

Vermicularia Amenti Karst.

Spermogonia subsphaeroidea, fusco-pallida, latit. vix 0,2 mm, vertice setulis strictis, fuscis, 120 mm longis, 6 mm crassis obsessa, contextu parenchymatico. Spermatia elongata, curvula vel recta, hyalina, longit. 5—8 mm, crassit. 1—1,5 mm.

In capsulis emortuis *Salicis phylicifoliae* vere 1869, ad Mustiala.

Coniothyrium olivaceum Bon. Var. *obovoideum* Karst.

Spermogonia conferta, subinde crustaceo-congesta, superficialia, obovoidea, latit. 0,3 mm. Spermatia? sphaeroide-ellipsoidea vel subsphaeroidea, olivacea, eguttulata, longit. 4—6 mm, crassit. 3—4 mm vel diam. 3—5 mm.

Ad corticem et lignum ramorum exsiccatorum *Populi tremulae* prope Aboam, Jan. 1859.

Fragmenta mycologica XVI. Auctore P. A. Karsten.

Teichospora Olenjensis Karst. (N. sp.)

Perithecia gregaria, subgregaria, basi applanata, atra, laevia, ostiolo papillato, latit. 0,4—0,5 mm. Sporae 8-nae, elongatae, utrinque attenuatae, ad medium plus minus constrictae, 7—9-septatae, loculo uno alterove septulo unico longitudinali diviso, fuscae vel fuligineae, impellucidae, longit. 40—51 mm, crassit. 10—15 mm.

In ramis decorticatis aridis *Salicum* in insula Maris glacialis, Olenji.

Teichospora obducens (Fr.) Fuck.

Var. *Hippophaës* Karst.

Sporae ovoideae, ad medium constrictae, 5—7-septatae, loculis, ultimis exceptis, septulo unico longitudinali divisus, luteolae vel flavae, pellucidae, longit. 22—27 mm, crassit. 9—12 mm.

Ad lignum ramorum exsiccatorum *Hippophaës rhamnoidis* prope Wasam.

Sphaeria cryptica Karst. (N. sp.)

Perithecia subsparsa, primitus cortice tecta, deinde ea divulsa nudata, sphaeroideo-subapplanata, interdum inaequalia, subatra, glabra, vulgo papilla minuscule obtusissima, latit. 0,3—0,5 mm. Sporae fuscoideo-vel ovoideo-oblongatae, 3—5 septatae, ad septa vix vel leviter constrictae, solito rectae, flavae, longit. 13—18 mm, crassit. 5—6 mm.

In ramulis emortuis *Viburni Opuli* prope Wasam.

Diplodia (*Diplodiella**) crustacea Karst. (N. sp.)

Pycnidia confertissima, crustaceo-aggregata, superficialia, carbonacea, subovoidea, vertice attenuata, atra, glabra, nitentia, latit. 0,3—0,4 mm. Stylosporae oblongatae vel ellipsoideae, utroque apice obtusae, subcylindraceae, rectae vel subrectae, 1-septatae, ad septum haud vel vix constrictae, dilute fuscidulae diaphanaeque (sub lente), longit. 8—13 mm, crassit. 3—4 mm.

Ad lignum pineum prope Mustiala, m. Oct. 1865.

Chaetodiplodia Karst. (N. gen.)

Est *Diplodia* pycnidiis setosis donata.

Chaetodiplodia caulina Karst. (N. sp.)

Pycnidia gregaria, superficialia, subcarbonacea, ovoidea, vulgo papilla minuta, atra, setulis substrictis, divergentibus, septatis, brevibus, atris obsessa, latit. 0,3 mm. Stylosporae oblongatae vel subellipsoideae, rectae, utrinque obtusissimae, 1-septatae, ad septum haud vel vix constrictae, flavescente hyalinae, longit. 12—17 mm, crassit. 5—6 mm.

Ad caules emortuos (nigrificatos?) *Chenopodii albi* in Mustiala, m. Maji 1872.

Phyllosticta Peltigerae Karst. (N. sp.)

Spermogonia maculae dealbatae insidentia, laxe gregaria, emergentia, rotundata, astoma, subnitentia, atra, latit. 0,2 mm. Spermatia oblongata, recta, eguttulata, longit. 3—6 mm, crassit. 2 mm.

In thallo *Peltigerae caninae* semiemortuo ad Mustiala.

Phoma (*Botryophoma*) *populicola* Karst. (N. sp.)

Spermogonia per corticem erumpentia, caespitosa, subovoidea, atra, astoma, tandem poro pertusa, latit. 0,3 mm. Spermatia botuliformia, hyalina, longit. 2—3 mm, crassit. 0,5 mm.

In ramis emortuis *Populi tremulae* prope Aboam.

Differt spermatibus minoribus a *Phoma populina* Karst., statum spermogonicum *Otthiae diminutae* sistente.

*) Sub hoc subgenere colliguntur species *Diplodiae* superficiales.

Coniothyrium ulmeum Karst. (N. sp.)

Pycnidia per corticem erumpentia, caespitosa, difformia, inaequalia, atra, astoma, latit. 0,4 mm. *Stylosporae* ellipsoideae, flavidae, longit. 6—7 mm, crassit. 3—4 mm.

In ramis emortuis Ulmi ad Aboam, m. Apr. 1861.

Cercospora Pastinacae Karst.

Maculae amphigenae, fusciscentes vel dealbatae. *Conidia* filiformia, leviter flexuosa, sursum levissime attenuata, hyalina, longit. 50—90 mm, crassit. 2 mm.

In foliis adhuc vivis Pastinacae sativae in Mustiala.

Eingegangene neue Literatur und Sammlungen.

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