

Vermicularia crassipila Karst. (N. sp.)

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

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 mmm longis, 6 mmm crassis obsessa, contextu parenchymatico. Spermatia elongata, curvula vel recta, hyalina, longit. 5—8 mmm, crassit. 1—1,5 mmm.

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? sphaeroideo-ellipsoidea vel subsphaeroidea, olivacea, eguttulata, longit. 4—6 mmm, crassit. 3—4 mmm vel diam. 3—5 mmm.

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 mmm, crassit. 10—15 mmm.

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 divisis, luteolae vel flavae, pellucidae, longit. 22—27 mmm, crassit. 9—12 mmm.

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 minuscula obtusissima, latit. 0,3—0,5 mm. Sporae fusoides-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, laxae gregariae, 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 spermatiis 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. Stylospora ellipsoideae, flavidae, longit. 6—7 mmm, crassit. 3—4 mmm.

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

Cercosporella Pastinacae Karst.

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

In foliis adhuc vivis Pastinacae sativae in Mustiala.

Eingegangene neue Literatur und Sammlungen.

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