

NEW BRITISH FUNGI.

By M. C. COOKE.

[Continued from Vol. II., p. 166.]

Phoma errabunda. *Desm.*

Perithecia erumpent, minute, very numerous, crowded or scattered, globose, black, somewhat shining, at length depressed, corrugated, ostiola papillate, pierced; spores very minute, oblong, obtuse.—*Desm. Ann. des Sci. Nat.*, 1849, vol. xi., p. 282. *Cooke Fungi Britt.*, No. 619.

On stems of *Verbascum*, &c.

Phoma subordinaria. *Desm.*

Perithecia minute, numerous, subseriate, ovate, convex, covered by the cuticle; ostiola minute, naked, then deciduous; spores oblong.—*Desm. Ann. des Sci. Nat.*, 1849, vol. xi., p. 284. *Cooke Fungi Britt.*, No. 617.

On *Plantago lanceolata*. King's Lynn (C. P. B.).

Diplodia syringæ. *Awd.*

Somewhat gregarious, sometimes in irregular lines, cortical; perithecia globose, black, ostiola rather prominent, elevating and piercing the cuticle; spores elliptical, at length uniseptate and coloured.—*Fckl. Fungi Rhen.*, 1950. *Cooke Fungi Britt.*, No. 626.

On twigs of *Syringa vulgaris*. King's Lynn (C. B. P.).

Sporidesmium cladosporii. (*Corda*) *Fckl.*

Effused in dark olivaceous patches; spores ovoid, cellular, at length brown and opaque.—*Corda Icon. i.*, fig. 118. *Fckl. Fungi Rhen.*, No. 110. *Cooke Fungi Britt.*, No. 679.

On stems of *Scrophularia*. Darent, &c.

Corda was of opinion that this was parasitic on species of *Cladosporium*. Our specimens accord with those published by Fuckel, but we are doubtful as to its parasitism.

Phragmidium bullatum. *West.*

Epicauline. Sori elongated, pulvinate, for a very long time covered with the epidermis, which is rendered bullate, then fissured irregularly, and ultimately thrown off. Pseudospores cylindrical, 5-7 septate, mucronate at the apex, epispore rough, pedicel short, hyaline, rather thickened at the base.—*Westendorp, Bull. des Brux.* 4 notice, No. 44. *West. & Wall, Herb. Belge*, No. 1069. *Kickx. Flor. Fland.*, ii., p. 69.

On twigs of *Rosa canina*. Barnet.

Quite distinct from *Phragmidium speciosum*, Fr., which is also epicauline, but with shorter pseudospores and much longer pedicels.

Ramularia armoraciæ. *Fckl.*

Tufts lax, white, seated on a bleached orbicular spot; flocci fasciculate, simple, conidia cylindrical, somewhat ventricose, simple.—*Fckl. Sym. Myc.*, p. 361, t. i., fig. 24. *Cooke Fungi Britt.*, No. 638. *Grevillea*, Vol. ii., p. 186. *Oidium fusisporioides*, *Fckl. Fungi Rhen.* No. 133.

On leaves of horseradish. King's Lynn (*C. B. P.*).

This is undoubtedly the conidia, of which *Ascochyta armoraciae* (*Depazea Brassicæcola*, Fr.) is the stylosporous condition, and *Sphærella Brassicæcola*, Not. ("Handbook," No. 2768), the ascophorus state.

Macrosporium cladosporioides. *Desm.*

Effused, forming large patches, irregular, velvety, dark olive. Flocci simple, nodulose, septate, united in fascicles. Acrospores somewhat pellucid, often torulose, unequal, ovoid, oblong or clavate, cellular.—*Desm.*, in *Bull. Soc. Bot. Fr.* (1857). *West, Bull. Soc. Bot. de Belg.*, ii., p. 251. *Kickx. Flora ii.*, 295. *Cooke Fungi Britt.*, No. 620.

On stems of *Arctium Lappa*. Kensington.

Leotia circinans. *Pers.*

Pileus fleshy, convex, at length undulate, margine involute, decurrent beneath in nerves with the stem, stem fistulose subpulverulent, asci ovate oblong; sporidia linear, equal in length to the ascus, somewhat curved when free.—*Pers. Ic. & Descr.*, p. 16, t. 5, f. 5-7. *Fries Sys. Myc. ii.* 27. *Cudonia circinans*, *Fckl. Sym. Myc.*, 332. *Fckl. Ex.*, 1139.

In fir woods. Scotland.

Very distinct from *Leotia lubrica*. Colour pallid. Exhibited at the Fungus Show, South Kensington.

Peziza (Sarcoscypha) Dalmeniensis. *Cooke.*

Hemispherical, then expanded, bright yellow; cups fleshy, nearly plane, margin elevated, externally beset with long rigid brown hairs. Asci linear; sporidia elliptical, hyaline, enucleate, smooth.

On the ground in woods. Dalmeny, N. B. Sept.

At first sight greatly resembling *Peziza theleboloides*, but the external hairs are coloured, and five or six times as long; the sporidia are not more than half the size. [Plate xxxiv., fig. 121.]

Peziza (Patellea) cerastiorum. *Wallr.*

Gregarious, innato-sessile, minute, somewhat waxy, rather concave, marginate, testaceous, becoming pallid; asci clavate; sporidia oblong.—*Fries Sys. Myc. ii.*, p. 153. *Desm. Ex.*, No. 1068. *Cooke Fungi Britt.*, No. 655. *Lib. Exs. No.* 28. *West & Wall, No.* 1081. *Kickx. Flor. Hand. i.*, 481.

On living chickweed. Chichester (*Dr. Paxton*).

Peziza (Mollisia) filispora. *Cooke.*

Scattered or subgregarious, soft; cups hemispherical, then flattened, externally horn-colour or tawny, brown when dry, and connivent; disc pallid dirty-white, slightly concave; asci cylindrical, clavate; sporidia filiform, straight or curved, triseptate; paraphyses filiform, simple.

On sheaths of grass.

Allied to *Peziza excelsior*, Karst.

Hysterium (Lophodermium) sphaerioides. '*A. & S.*

Innato-superficial, scattered, hemispherical, swollen, even,

shining, brownish-black; lips broad, convex, opening with a longitudinal straight fissure, more or less separating, at length broken or collapsing; asci cylindrical; sporidia filiform, hyaline.—*Alb. & Schw.*, t. 10, f. 3. *Duby Hyst.*, p. 44.

var. **Rhododendri**. Ces. = *Lophodermium Rhododendri*, Ces., in *Rabh. Fung. Eur.*, No. 458. *Rehm. Ascomy*, No. 126.

On leaves of *Rhododendron*. Shere (*Dr. E. Capron*).

Melanconis modonia. *Tul.*

Conidia nestling beneath the bark, at length erumpent, olive-brown, oblong-elliptic, 6-septate.

Ascophore—Perithecia globose or depressed, few together arranged in circles penetrating the bark, with rather short ostiola, and forming small pustules; asci cylindrical; sporidia biconical, uniseriate, hyaline.—*Cooke Fungi Britt.*, No. 681. *Tulasne Sel. Fung. Carp. ii.*, p. 141. *Fckl. Sym. Myc.*, p. 188. *Fckl. Exs.*, 2006. *Valsa biconica*, Curr. ("Handbook," No. 2491).

On dead twigs of *Castanea vesca*. Darenth. May.

Sporidia $\cdot 0014 \times \cdot 0003$ in. $\cdot 036 \times \cdot 01$ m.m.

Cucurbitaria Euonymi. *Cooke.*

Gregarious, subcuticular; perithecia subglobose, at length somewhat erumpent, often wholly concealed by the cuticle, except the small scarcely prominent ostiola; asci clavate, sessile; sporidia elongated, elliptical, constricted in the middle, multicellular, brown.—*Cooke Fungi Britt.*, No. 683.

On twigs of *Euonymus*, often with *Sphæria Laschii*. Mickleham. June.

Sporidia ($\cdot 001$ in.) $\cdot 025$ m.m. long, resembling *Cucurbitaria spartii*, Not.

Lophiostoma Hederae. *Fckl.*

Perithecia scattered, nestling beneath the epidermis, rarely free, of medium size, globoso-compressed, quite black; ostiola prominent, broadly compressed, semi-orbicular, somewhat crenulate; asci elongated, sessile; sporidia biseriate, fusiform, curved, 4 nucleate, then triseptate, hyaline.

On ivy twigs. Eastbourne (*C. J. Muller*).

Sporidia ($\cdot 0007 \times \cdot 0015$ in.) $\cdot 02 \times \cdot 004$ m.m.

Sphæria (Diaporthe) Euphorbiæ. *Cooke.*

Forming irregular, determinate, elongated black patches; perithecia nestling beneath the blackened cuticle, which is slightly elevated by the ostiola; asci subcylindrical; sporidia subfusiform, quadrinucleate, hyaline.—*Cooke Fungi Britt.*, No. 674.

On dead stems of wood spurge. Darenth. May.

Sphæria (Diaporthe) scobina. *Nke.*

Stroma broadly effused; perithecia small, nestling in the inner bark, aggregated, subglobose or rather compressed; ostiola cylindrical, piercing the cuticle; asci narrowly fusiform, obtuse, quadri-nucleate.—*Nke. Pyr. Germ.*, p. 293. *Fckl. Fungi Rhen.*, No. 2258. *Cooke Fungi Britt.*, No. 673.

On dead twigs of ash. Darent. April.

Forming blackened irregular patches, seated beneath the cuticle, which is loosened, somewhat inflated, and at length fugacious. Sporidia ($\cdot 0004 \times \cdot 00015$ in.) $\cdot 011\text{--}\cdot 012 \times \cdot 004$ m.m.

Sphæria (Diaporthe) Laschii. *Nke.*

Stroma broadly effused, innate, blackening the bark; perithecia nestling in the parenchyma of the bark, globose, attenuated into an abrupt neck; ostiola rather thick; asci clavate, sessile; sporidia fusiform, 4 nucleate, then 4 celled, hyaline.—*Nke. Pyr. Germ.*, p. 292. *Fckl. Sym. Myc.*, p. 208. *Cooke Fungi Britt.*, No. 682.

On twigs of *Euonymus Europæus*. Mickleham.

Sporidia ($\cdot 0003\text{--}\cdot 0005 \times \cdot 00011\text{--}\cdot 00015$ in.) $\cdot 008\text{--}\cdot 014 \times \cdot 003\text{--}\cdot 004$ m.m.

Sphæria (Diaporthe) occulta. *Nke.*

Perithecia covered by the thin black stroma, globose, black; ostiola exserted, sometimes much elongated, terete, acute; asci narrowly clavate; sporidia oblong or narrowly elliptical, attenuated at each end, quadrinucleate, hyaline.—*Nke. Pyr. Germ.* p. 266. *Fckl. Sym. Myc.*, p. 210. *Fckl. Exs.*, No. 622.

On scales of fir cones. Eastbourne (*C. J. Muller*).

Sphæria cetrariicola. *Nyl.*

Perithecia somewhat gregarious, minute, black, rather prominent. Asci octosporous, sporidia oblong, 1-3 septate, colourless. Paraphyses none. *Nyl. MSS. in litt.*

On *Cetraria Islandica*. Braemar (*Rev. J. M. Crombie*).

The specimen is deposited in the Herbarium of the British Museum.

Sphæria Bryoniæ. *Fckl.*

Perithecia nestling beneath the epidermis, at length nearly free, gregarious, very minute, globoso-depressed, papillate, black; asci oblong, attenuated at the base, obtuse; sporidia biserial, oblong, or somewhat clavate, unequally bicellular, the upper cell large, the lower obconical, obtuse, hyaline.—*Fckl. Sym. Myc.*, p. 112. *Fckl. Exs.* No. 2318.

On stems of *Bryonia dioica*. Shere, 1873. (*Dr. Capron*.)

Sporidia ($\cdot 0007$ in.), $\cdot 015\text{--}\cdot 017$ m.m. long.

Sphæria (Pleospora) culmorum. *Cooke.*

Perithecia scattered, erumpent, globose, black, with a papillate ostiolum; asci clavate, sporidia elongated elliptical, triseptate, one cell transversely divided, pale brown.—*Cooke Fungi Britt.*, No. 694.

On dead culms of grasses, straw, &c. Irstead.

The sporidia are much more characteristic and distinct than in many of the forms associated under *Pleospora*. This is different from *Sphæria infectoria*, *Fckl.* ("Handbook," No. 2693). Sporidia ($\cdot 0012\text{--}\cdot 0015$ in.) $\cdot 025\text{--}\cdot 035$ m.m. long.

Sphærella ditricha. *Fr.*

Gregarious, seated on grey spots; perithecia hemispherical, small, black, mixed with a few erect hairs; asci fasciculate, oblong,



Cooke, M. C. 1874. "New British fungi [cont.]." *Grevillea* 3(26), 65–69.

View This Item Online: <https://www.biodiversitylibrary.org/item/30047>

Permalink: <https://www.biodiversitylibrary.org/partpdf/246332>

Holding Institution

New York Botanical Garden, LuEsther T. Mertz Library

Sponsored by

The LuEsther T Mertz Library, the New York Botanical Garden

Copyright & Reuse

Copyright Status: NOT_IN_COPYRIGHT

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at <https://www.biodiversitylibrary.org>.