

**GREVILLEA. A QUARTERLY  
RECORD OF CRYPTOGAMIC  
BOTANY AND  
ITS LITERATURE; VOL. XVII.  
1888-89, VOL. XVIII. 1889-90**

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**M. C. COOKE**

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# Grevillea.

A QUARTERLY RECORD OF

## CRYPTOGAMIC BOTANY

AND ITS LITERATURE.

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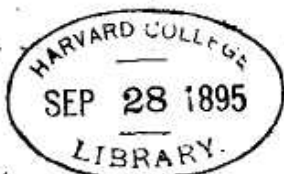
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# Grevillea,

A QUARTERLY RECORD OF CRYPTOGAMIC BOTANY  
AND ITS LITERATURE.

## NEW BRITISH FUNGI.

By M. C. COOKE.

(Continued from Vol. XVI., p. 102.)

**Agaricus (Pholiota) molliscurium, Cke. & Mass.**

Pileus fleshy, convex, then plane, obtuse, at length depressed, even, smooth, soft like kid leather, tawny yellow; disc darker, dry, shining (2-3 in. broad); margin acute, thin; stem equal, paler, erect, fistulose (3 in. long,  $\frac{1}{4}$ - $\frac{1}{3}$  in. thick), silky, punctately squamulose at the apex; ring broad, distant, brownish, deciduous; flesh yellow; gills narrowly adnate, ventricose, crowded, thin, ferruginous; spores elliptical, smooth, ferruginous,  $12 \times 5-6 \mu$ .

On the ground. Carlisle. (Dr. Carlyle.)

Taste and smell none. Habit that of *A. præcox*, with which it was associated, but differing in the yellow colour and the bright ferruginous gills. Near to *Ag. ombrophilus*, Fr.

**Hygrophorus (Hydrocybe) spadiceus, Scop. Carn. II., 443. Fr. Hym. Eur. 420.**

Fragile; pileus thin, conical, acute, repand, fibrillosely virgate, at first covered with an olivaceous bay-brown gluten; stem hollow, equal, dry, becoming dusky and fibrillose; gills rounded behind, free, distant, lemon-yellow.—Fr. *Icon. t. 168, fig. 1.*

On the ground. July. Clun Forest. (W. Phillips.)

Somewhat resembling *H. conicus*, but not turning black.

**Lactarius (Piperites) umbrinus, Pers. Syn. 435.**

Pileus compact, convex, then plane, umbilicate, dry, floccosely cracking, amber, without zones (3 in. broad); stem solid, very short (about an inch long), white, becoming cinereous; gills crowded, pallid, growing yellowish; milk acid, white, making greyish spots.—Fr. *Hym. Eur. 429. Cooke Illus. t. 1006.*

In damp places. Epping.

**Lactarius (Russularia) tomentosus, Otto, Kromb. t. 40, f. 17, 18.**

Pileus at first umbonate, then depressed and infundibuliform; dull flesh colour, becoming rufous and tawny, delicately tomentose (2-3 in. diam.); stem erect, at first stuffed, then somewhat hollow, pallid, naked, smooth; substance compact (2 in. long,  $\frac{1}{2}$  in. thick);

gills subdecurrent, yellow flesh colour; milk white (spores 8-9  $\mu$  diam.).—*Cooke Illus. t. 1010.*

In swampy ground. Orton Moss, near Carlisle.

Fries quotes Krombholz's figure under *L. helvus* with the note "hand bona." It should doubtless be kept distinct, if only as a sub-species.

**Lactarius (Russularia) mammosus**, *Fr. Hym. Eur. 434.*

var. **monstruosus**, *Fr. Icon. t. 170, f. 2.*

Pileus fleshy, acutely umbonate, then depressed (2.3 in. diam.), dry, zoneless, lurid, clad with an interwoven grey down; stem stuffed, then hollow, pubescent, pallid (with a lurid purplish tinge, 2-3 in. long,  $\frac{1}{2}$  in. thick, or more), gills adnate, crowded, whitish, then pale ferruginous (scarcely other than whitish in this variety). Milk white, slowly acrid (spores about 10 $\mu$ ).—*Cooke Illus. t. 995.*

On the ground. Scarborough. (G. Massee).

**Lactarius Terreyi**, *B. & Br., Ann. N. Hist. No. 1673*, seems to be the same as *L. cinucarius*, or a variety of *L. camphoratus*, to which the specimens are referred in *Herb. Berkeley.*

**Lactarius (Russularia) spinosulus**, *Quel. Norm. p. 20, t. 3, f. 10.*

var. **violaceus**, *Cooke Illus. t. 998 B.*

Pileus thin, convex, then depressed (1 in. diam.), dry, tomentose, somewhat aculeate, violet, flesh paler, margin incurved, stem equal, stuffed, granulate, paler, growing pallid (2 in. long,  $\frac{1}{4}$  in. thick), gills decurrent, narrow, thin, yellowish. Milk white, soon acrid.

On the ground. Chatsworth, Sept. 1873.

**Lactarius (Russularia) cremor**, *Fries Hym. Eur. 432.*

var. **pauper**, *Karst. Symb. x p. 58. Icon. f. 26.*

Pileus fleshy, soft, rather plane, smooth, without zones, flesh colour, then yellowish, or gilvous tan colour, rather ochraceous when dry, punctate (3 in. broad or more), margin membranaceous, at length pectinately sulcate; stem hollow, equal, naked, smooth, paler than the pileus (about 2 in. long  $\frac{1}{2}$  in. thick), gills adnate, rather distant, thin, soft, colour of the pileus, flesh without juice, slowly acrid, white (spores 8-9  $\mu$ ).—*Cke. Illus. t. 1008.*

Under fir trees. Carlisle.

**Russula (Fragiles) Barlowi**, *Qualet. Ass. Fr. 1883, t. vi., f. 12. Sacc. Syll. v., 1860.*

Pileus convex, then flattened and depressed ( $2\frac{1}{2}$ - $3\frac{1}{2}$  in.), compact, viscid, then dry, even, peach coloured, yellow, tinged with orange red, sometimes cracking; flesh firm, sweet, white, slightly smelling of melilot, stem fleshy, spongy, firm, silky pruinose, snow white (2 in. long,  $\frac{1}{2}$  in. thick), gills white, then becoming pallid ochraceous. Spores sub-globose, granular, 12  $\times$  10  $\mu$ .

Amongst grass, under trees. Kew, Epping Forest.

Our specimens seem to be referable to this species, the pileus has the centre always darker, tinged with a peculiar dull red, the margin bright ochre with a tinge of orange, the whole becoming pale and ochraceous in drying. The flesh of the stem sometimes turns reddish brown when cut, and the odour in age is rather that of crab than of melilot.



**Russula (Fragiles) fragibilis**, Britz. *Hym. Sudb.* IV., f. 32.

Pileus yellow, convex, then plane or depressed, viscid, darker in the centre (about 2 in. diam.), thin towards the margin, but not striate. Stem equal, soft, white, spongy, at length hollow (2 in. long,  $\frac{1}{2}$  in. thick), flesh white, mild, inodorous. Gills rather unequal, attenuated behind, somewhat crowded, thin, white. Spores nearly globose, 8-10  $\mu$ .

Under trees. Kew, July, 1882.

As far as it is possible to identify any of Britzelmayer's species this seems to accord, taking into account the additions we have made to the diagnosis.

**Hypocrea moriformis**, Cks. & Mass.

Fleshy, hemispherical (1 mm. diam.), scattered, pallid, at length black; perithecia convex, minute, rather prominent, pierced with a pore; asci cylindrical, sporidia uniseptate, then dividing into cubically globose frustules, olive, smooth (5-6  $\mu$ ).

On rotten wood. Carlisle. (Dr. Carlyle).

Perithecia distinctly indicated, resembling a miniature mulberry.

**Nectria pallidula**, Cooke.

Perithecia caespitose, globose, minute ( $\frac{1}{2}$  mm.), smooth, pale ochre, bursting through the cuticle in irregular tufts, sometimes of one or two, sometimes 12 to 20 perithecia, effused when growing on naked wood. Asci clavate-cylindrical, sporidia for the most part uniseriate, subfusiform, uniseptate, hyaline (12  $\times$  3  $\mu$ ).

On beech bark and wood. Carlisle. (Dr. Carlyle).

**Mucor lateritius**, Cks. & Mass.

Mycelium forming a continuous dense, dry, bright-brown felt, spreading over the tuber. Fertile hyphae erect, simple or furcate; capitulum globose, sporidia subglobose (12  $\times$  9-10  $\mu$ ), pale brick-red, smooth.

On putrid potatoes. Kew.

**Trichosporium umbrinum**, Link.

Threads branched, bay-brown, forming a dense, long, and broadly effused interwoven stratum; conidia globose, smooth, brown (12-14  $\mu$  diam.).

Running over plant pots, &c. ("Gardeners' Chronicle.")

**Edocephalum sulfureum**, Cks. & Mass.

Tufts hemispherical or confluent, sulphur-coloured. Threads septate, dichotomous, globosely capitulate at the apex, papillate, conidia globose, hyaline (3-5  $\mu$  diam.). Epispore smooth.

On rope. Herbarium grounds, Kew.

**Melanconium rusci**, Cks. & Mass.

Pustules scattered, orbicular, erumpent, covered by the lacerated brown cuticle. Conidia elliptical, continuous, sooty-olive (12  $\times$  7-8  $\mu$ ).

On phylloides of *Ruscus aculeatus*. Kew.

This cannot be a form of *Sphaeropsis rusci*, for there is no perithecium, and the pustules are scattered and solitary.

## BRITISH PYRENOAMYCETES.

BY G. MASSEE.

(Continued from Vol. XVI., p. 120.)

Fam. 10. PERTUSÆ. Perithecia emergent, smooth, flattened at the base, adnate or subimmersed. Ostiolum papillate, or pierced.

GEN. 1. **CONISPHERIA**. Sporidia hyaline.

\* **ZIGNOINA**. Sporidia continuous.

*C. rhodobapha*, *B. & Br.*, *Sacc. Syll.* 3659.

On old wood. South Kensington, Bristol.

\*\* **MELANOPSAMMA**. Sporidia uniseptate.

*C. pæcilostoma*, *B. & Br.*, *Sacc. Syll.* 3652.

On furze. Lynn.

\*\*\* **MELOMASTIA**. Sporidia biseptate.

*C. Friesii*, *Nke.*, *Sacc. Syll.* 3625; *Hdbk.* 2620 (= *S. Lonicera*, *Sow.*).

On honeysuckle. Highgate, Shere, Lynn.

\*\*\* **ZIGNOELLA**. Sporidia multiseptate.

*C. hysterioides*, *Curr.*, *Gren.* XVI., 92.

On rotten wood. Chislehurst.

*C. macrasca*, *Sacc. Syll.* 3668.

On bleached elm wood. Bulwer, Yorks, Scarborough.

GEN. 2. **TICOTHECIUM**. *Flot.* Perithecia minute, growing on Lichens. Sporidia septate.

\* **PHARCIDIA**. Sporidia hyaline.

\*\* **GENUINA**. Sporidia coloured.

† Sporidia uniseptate.

*T. gelidarium*, *Mudd.*, p. 180; *Sacc. Syll.* 2232.

On *Squamaria gelida*. Teesdale.

*T. perpusillum*, *Nyl.*, *Sacc. Syll.* 6593.

On *Aspicilia*. Gloucestershire, Ben Cranchan, Kylemore (I.).

*T. calcaricolum*, *Mudd.*, p. 306; *Sacc. Syll.* 6597.

On *Aspicilia*. Lewes, Sussex, Longmyad, Ben Lawers, Ireland.

*T. gemmiferum*, *Tayl.*, *Sacc. Syll.* 6598.

On lichens. Shrewsbury, Penzance, Cleveland, Grampians, Wales, Ireland.

- T. squamarioides*, *Mudd.*, p. 180; *Sacc. Syll.* 6600.  
On *Squamaria gelida*. Teesdale.  
*T. cerinarium*, *Mudd.*, p. 136; *Sacc. Syll.* 6602.  
On *Callopisma*. Near Ayton, Cleveland.

†† *Sporidia triseptate.*

- T. pygmaeum*, *Korb.*, *Sacc. Syll.* 6604.  
On *Aspicilia*. Breemar and Lough-na-cat, Scotland; Armagh, Cleveland. (v. *Ventosicola*, *Mudd.*)  
On *Hamatococca*. Kildale Moor.  
*T. leucomelarium*, *Mudd. Man.* p. 105; *Sacc. Syll.* 6605.  
On *Borrera*. Cork.  
*T. rimosicolum*, *Leight.*, *Sacc. Syll.* 6606.  
On *Diplotomma calcareum*. Wrekin, Penhill, Yorks, Carlton Bank, Cleveland, Ben Lawers, Appin, Killarney, Galway.

GEN. 3. **AMPHISPHERIA**. *Sporidia* coloured.

\* **AMPHISPHERELLA**. *Sporidia* continuous.

\*\* **GENUINA**. *Sporidia* uniseptate.

- A. ventosaria*, *Lindb.* *Sacc. Syll.* 2761.  
On *Lecanora ventosa*. Lochnagar.

\*\*\* **MELANOMMA**. *Sporidia* 2-3 septate.

- A. Jenynsii*, *B. & Br.*, *Sacc. Syll.* 3232.  
On wood. Bottisham, King's Cliffe, Bathcaston.  
*A. obliterans*, *B. & Br.*, *Sacc. Syll.* 3233; *Hdbk.* 2621.  
On fir. Forres, N.B.

\*\* *Sporidia* 4 or many septate.

- A. brachythele*, *B. & Br.*, *Sacc. Syll.* 3269; *Hdbk.* 2609.  
On elder. Batheaston, Gopsall, Chislehurst.

\*\*\*\* **TREMATOSPHERIA**. *Perithecia* large, *sporidia* 3 or multiseptate.

- A. pertusa*, *Pers.*, *Sacc. Syll.* 3285; *Hdbk.* 2604.  
On wood. Bishop's Wood, Epping.  
*A. anglica*, *Sacc. Syll.* 3286.  
On ash. King's Lynn.  
*A. melina*, *B. & Br.*, *Sacc. Syll.* 3294.  
On ash. Batheaston.  
*A. lunaris*, *Curr.*, *Grav.* xvi., 92.  
On decorticated branches of ash.

\*\*\*\*\* **CARYOSPORA**. *Sporidia* very large, apiculate.

- A. callicarpa*, *Curr.*, *Sacc. Syll.* 3313; *Hdbk.* 2605.  
On wood. Kidbrooke.