

CBIB NINTH UPDATE (UD9) (Ainsworth, A.M. & Henrici, A. 2020)

The online CBIB website is currently accessible at <http://basidiochecklist.science.kew.org/index.htm> where searches of the checklist database can be performed on data incorporated up to and including 05 Feb 2015 (Update 6). Subsequent tranches of amendments have not been incorporated in the underlying database, but are accessible from the website (under “Latest Update”) as a series of static updates (UD7–9). Unless and until uploading and incorporation resumes, the only way to access the current Checklist in its entirety is to consult the database together with the static copies of updates UD7–9.

We would like to thank all those who have sent collections to the Kew Fungarium and those who have carried out sequencing work and/or analysed the resulting data. Special thanks to Kare Liimatainen for his molecular taxonomic contribution.

CBIB and Species Fungorum (SF) are now hosted at Kew. Both present opinions on the taxonomy of British fungi and supply current names and synonyms. Since 2005, the two products have been updated independently, largely on a voluntary basis, with inadequate resourcing and much duplication of effort. Given the scale of contemporary taxonomic change, it should come as no surprise to find they are sometimes out of step. Our overarching objective, therefore, is to have a single “Kew taxonomic opinion” on the British & Irish *Basidiomycota* which is accessible to users of both CBIB and SF. In the meantime, the main (but not exclusive) focus of future CBIB updates will be on amendments that cannot be made within SF, such as new additions or exclusions.

Approximately 247 net additions (291 additions and 44 exclusions), almost all at species level, were made to the checklist between 2005, when Legon & Henrici’s book was published, and February 2015 (UD6 online) yielding an average of ca. 25 net additions per annum over the first decade of updates. Over the following five years, from February 2015 to February 2020, there were approximately 157 net additions (averaging ca. 31 p.a.). The average annual increase now stands at ca. 27 net additions p.a. over the 15 years since the book’s publication. It is astonishing to think that a new addition to the British & Irish list of *Basidiomycota* has been made on average ca. once a fortnight for the last 15 years.

Bibliography

Additions to Standard References

Consiglio, G. & Setti, L. (2018). The Genera *Hohenbuehelia* and *Resupinatus* in Europe. Trento: Associazione Micologica Bresadola. 448 pp.

Woods, R.G., Chater, A.O., Smith, P.A., Stringer, R.N. & Evans, D.A. (2018). Smut and Allied Fungi of Wales. A Guide, Red Data List and Census Catalogue. Aberystwyth: A.O. Chater. 83 pp.

ADDITIONS & AMENDMENTS TO LIST OF INCLUDED TAXA

BASIDIOMYCOTA, AGARICOMYCOTINA

Agrocybe pusiola (Fr.) R. Heim

W: !

H: On coastal dunes.

Move from ‘excluded’ list and replace existing **Notes** with:
Listed by Rea (1922, as *Naucoria pusiola*), by NCL, and by BFF3 (as *Agrocybe pusilla*) but with no supporting evidence. A collection in K (2011) from Cardiganshire (Ynyslas) and reported (2017) in Carmarthenshire (Pembrey Burrows) by P.J. Roberts & S.E. Evans.

BANKERA Coker & Beers ex Pouzar

Move to synonymy of *Phellodon* (q.v.) following molecular studies and recombination of the generic type by Baird *et al.* [*Fungal Diversity* 62: 41–114 (2013)]

fuligineoalba (J.C. Schmidt) Coker & Beers ex Pouzar
Name changed to *Phellodon fuligineoalbus* (q.v.).

violascens (Alb. & Schwein.) Pouzar
Name changed to *Phellodon violascens* (q.v.).

Boletopsis grisea (Peck) Bondartsev & Singer, *Annls mycol.* 39(1): 47 (1941)
Polyporus griseus Peck, *Ann. Rep. N.Y. St. Mus. nat. Hist.* 26: 68 (1874) [1873]

S: !

H: On river bank soil.

A single collection (2017) in K from South Aberdeenshire (Inver) originally determined as *B. perplexa* (redet. based on ITS data analysis, K. Liimatainen & A.M. Ainsworth unpubl.).

Boletopsis perplexa Watling & Jer. Milne

This name was invalidly published and the current name is *B. watlingii* (q.v.).

Boletopsis watlingii Blanco-Dios, *Tarrellos* 20: 28 (2018)

This is a new name for *B. perplexa* which was invalidly published.

BURGELLOPSIS Diederich &

Lawrey, *Lichenologist* 46(3): 344 (2014)

Type: *Burgellopsis nivea* Diederich & Lawrey

nivea Diederich & Lawrey, *Lichenologist* 46(3): 344 (2014)

S: !

H: Forming white bulbils over sterile, sorediate, crustose lichen growing on scree.

New record. The holotype in E was collected (2006) in East Lothian (Lammermuir Hills).

Ceriporia aurantiocarnescens (Henn.) M. Pieri & B.

Rivoire, *Bull. trimest. Soc. mycol. Fr.* 113(3): 206 (1997)

Poria aurantiocarnescens Henn., *Verh. bot. Ver. Prov. Brandenb.* 40: 125 (1898) [1899]

E: !

H: On fallen trunk of *Fagus sylvatica*.

A collection (2018) at K from East Cornwall (Lerryn Woods) whose morphological identification was confirmed by DNA sequencing (K. Liimatainen unpubl.). The resulting ITS barcode was shown to be identical to that generated from a Czech specimen of *C. aurantiocarnescens* s. Spirin *et al.* [*Cryptog. Mycol.* 37(4): 421–435 (2016)].

Clitocybe leucodiatreta Bon

E: !

H: In leaf litter in mixed broadleaved woodland.

Move from 'excluded' list. A collection (2019) at K from Middlesex (Perivale Nature Reserve) determined as this by G.G. Kibby.

Coprinopsis alopecia (Lasch) La Chiusa & Boffelli, in Boffelli, *Index Fungorum* 333: 1 (2017)

Name changed from *Coprinus alopecia*.

Coprinopsis strossmayeri (Schulzer) Redhead, Vilgalys & Moncalvo, in Redhead, Vilgalys, Moncalvo, Johnson & Hoppel, *Taxon* 50(1): 231 (2001)

Coprinus strossmayeri Schulzer, *Verh. zool.-bot. Ges. Wien* 28: 430 (1879)

E: !

H: English collection on woodchip pile and likely to be invasive in suitable habitat.

New record. A collection (2017) at K from Warwickshire (Rugby). DNA analysis carried out by Douglas *et al.* [FM21(1): 5–10 (2020)] showed that a range of sequenced specimens named as *C. strossmayeri* fell into a series of discreet clusters. Currently it is not possible to determine which of these clusters represents the true *C. strossmayeri*, and hence the

British collection has been temporarily determined as *C. strossmayeri* agg.

Coprinus alopecia Lasch

Name changed to *Coprinopsis alopecia* (q.v.).

Cortinarius bergeronii (Melot) Melot, *Docums Mycol.* 22(no. 85): 20 (1992)

Cortinarius cedretorum var. *bergeronii* Melot, *Docums Mycol.* 20(no. 77): 94 (1989)

E: !

H: On chalky soil.

Two collections (2019) at K from East Kent (Stockbury) and Oxfordshire (Harpsden Wood) determined by M. Tortelli based on morphological characters.

Cortinarius caligatus Malençon, in Malençon & Bertault, *Champignon Supérieurs du Maroc* 1: 482 (1970)

E: !

H: English collection on chalky woodland soil under *Carpinus betulus* with large *Quercus* nearby.

A collection (2018) at K from East Kent (Badgin Wood) determined as this based on morphological characters and documented in Tortelli & Pitt [FM20(4): 137–140 (2019)].

Cortinarius camptoros Brandrud & Melot

Move to 'excluded' list.

Cortinarius cinereobrunneolus Chevassut & Rob.

Henry, *Docums Mycol.* 12(no. 47): 53 (1982)

E: !

H: On soil near *Betula* and *Quercus*.

A collection (2014) in K from Middlesex (Hampstead Heath), originally determined as *C. diosmus*, redetermined as this by matching its barcode sequence with that of the holotype (K. Liimatainen unpubl.). Further details in Kibby *et al.* [FM20(1): 12–20 (2019)].

Cortinarius conicus (Velen.) Rob. Henry

Move *C. conicus* s. auct. Brit. and s. CFP 3 (1994) pl. C38 to synonymy of *C. rubricosus* and replace associated **Notes** with: following sequencing and redetermination of the single voucher collection in K (from East Sussex, Rye) which was supporting the inclusion of *C. conicus* in CBIB (K. Liimatainen unpubl.).

Cortinarius danili Rob. Henry

Move to 'excluded' list.

Cortinarius daulnoyae (Qué.) Sacc., in Saccardo &

Traverso, *Syll. fung.* (Abellini) 19: 449 (1910)

Cortinarius cumatilis var. *daulnoyae* Qué., *C. r. Assoc.*

Franç. Avancem. Sci. 18(2): 510 (1890) [1889]

Cortinarius herculeolens Bidaud, in Bidaud, Moënné-Loccoz, Reumaux & Henry, *Atlas des Cortinaires* (Meyzieu) 8: 293 (1996)

Cortinarius chromataphilus Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 105(1): 97 (1989)

E: !

H: On soil in deciduous woodland. British material associated with *Carpinus betulus*.

Move *Cortinarius herculeolens* to synonymy of this species and add *C. chromataphilus*. A collection (2003) at K from East Kent (Putt Wood), originally determined as *C. herculeolens*, and a new collection (2019) from the same site. Both were sequenced and the resulting ITS barcodes matched those derived from the holotypes of *C. chromataphilus* and *C. herculeolens* and the epitype of *C. daulnoyae* (K. Liimatainen unpubl.).

Cortinarius epipurrus Chevassut & Rob. Henry, *Docums*

Mycol. 8(no. 32): 72 (1978)

E: !

H: On soil near near *Betula*, *Quercus*, *Fagus*.

Two collections (2019) at K from West Kent (Hayes Common) determined as this by matching their ITS sequences, obtained by the collector, with that of the type (K. Liimatainen unpubl.).

Cortinarius falsosus Moëgne-Loc. & Reumaux, in Bidaud, Moëgne-Loccoz, Reumaux, Carteret & Eyssartier, *Atlas des Cortinaires* (Meyzieu) 11: 572 (2001)

E: !

H: On soil of mossy bank near *Betula* and *Quercus*. A collection (2019) at K from West Kent (Hayes Common) determined as this by matching its ITS sequence, obtained by the collector, with that of the type (K. Liimatainen unpubl.).

Cortinarius fasciatus Fr.

Move to 'excluded' list.

Cortinarius fulvaureus Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 60: 71 (1944)

E: !

H: On soil near broadleaved trees including *Quercus*. Three collections (2001 onwards) in K from East Sussex (Guestling Wood), North Essex (Epping Forest) and Surrey (Kew Gardens), two originally determined as *C. safranopes* or *C. cf. safranopes*, determined or redetermined as this by matching their barcode sequences with that of the holotype (K. Liimatainen unpubl.). These sequences also matched those derived from the holotypes of *C. rimosofissus* and *C. roseonudipes* which should therefore be regarded as more recent synonyms. For further details see Kibby *et al.* [FM20(1): 12–20 (2019)].

Cortinarius galeobdolon Melot

Move to list of misdeterminations under *C. leucoleolus* (q.v.).

Cortinarius herculeolens Bidaud

Move to synonymy of *C. daulnoyae* (q.v.).

Cortinarius herpeticus Fr.

Move from synonymy of *C. scaurus* var. *herpeticus* to head this entry with *C. scaurus* var. *herpeticus* as a synonym.

Cortinarius hillieri Rob. Henry

E: !

H: On calcareous soil associated with *Carpinus betulus*. Move from 'excluded' list and delete existing **Notes**. A collection (2018) at K from North Essex (Hatfield Forest) determined as this by matching its ITS sequence with that of the type (K. Liimatainen unpubl.).

Cortinarius humolens Brandrud, in Brandrud, Lindström, Marklund, Melot & Muskos, *Cortinarius*, *Flora Photographica* (Matfors) 4: 20 (1998)

E: !

H: On bare chalky soil. A collection (2019) at K from East Kent (Badgin Wood) determined as this by M. Tortelli with advice from T.G. Frøslev & T.S. Jeppesen.

Cortinarius incisior Bidaud, Moëgne-Loc. & Reumaux, in Bidaud, Moëgne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires*, Hors-Serie 1: 148 (1997)

E: !

H: On soil near *Alnus glutinosa*. A single collection (1995) in K from South Devon (Andrew's Wood) originally determined as *C. dilutus* (redet. based on ITS data analysis, K. Liimatainen unpubl.).

Cortinarius lepistoides T.S. Jeppesen & Frøslev, *Mycotaxon* 106: 474 (2009) [2008]

E: !

H: On bare chalky soil. A collection (2019) at K from East Kent (Badgin Wood) determined as this by M. Tortelli with advice from T.G. Frøslev & T.S. Jeppesen.

Cortinarius leucoleolus Rob. Henry

Cortinarius emollitoides Bidaud, Moëgne-Loc. & Reumaux, in Bidaud, Moëgne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires* (Meyzieu) 10: 491 (2000)

Mis.: *Cortinarius galeobdolon* sensu auct. Brit.

Mis.: *Cortinarius causticus* sensu NCL, sensu auct. mult.

Add the above synonymy and misdeterminations which, for *C. emollitoides* and *C. leucoleolus*, is based on matching of ITS

sequences derived from type specimens (K. Liimatainen unpubl.). It is likely that *C. galeobdolon* sensu typi is another later synonym of *C. leucoleolus* but the type is unavailable for the required confirmatory sequencing. Further details are given in Kibby *et al.* [FM20(1): 12–20 (2020)] under the name *C. emollitoides*.

Cortinarius lilacinovelatus Reumaux & Ramm, in Bidaud, Moëgne-Loccoz, Reumaux, Carteret & Eyssartier, *Atlas des Cortinaires* (Meyzieu) 11: 613 (2001)

E: !

H: On chalky soil. A collection (2019) at K from East Kent (Stockbury) determined as this by M. Tortelli with advice from T.G. Frøslev & T.S. Jeppesen.

Cortinarius luhmannii Münzmay, Saar & B. Oertel, *Journal des JEC*, Journées Européennes du Cortinaire 7(no. 6): 31 (2004)

E: !

H: English collection on woodland soil near *Fagus sylvatica*. A collection (2018) at K from South Hampshire (Busketts Wood) determined as this based on morphological characters and documented in Kibby *et al.* [FM20(1): 12–20 (2019)]. The barcode sequence derived from this (K. Liimatainen unpubl.) matched that of *C. luhmannii* s. Garnica *et al.* [*FEMS Microbiol. Ecol.* 92(4): f1w045 1–16 (2016)].

Cortinarius macropodius Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 77(2): 131 (1961)

E: !

H: On sandy soil in coastal dunes. A single collection (2003) at K from West Norfolk (Holkham Meals) originally determined as *C. malachius* (redet. based on ITS data analysis, K. Liimatainen unpubl.).

Cortinarius majoranae Frøslev & T.S. Jeppesen, *Mycotaxon* 106: 472 (2009) [2008]

E: !

H: English collection on chalky woodland soil under *Carpinus betulus*. A collection (2018) at K from West Kent (Hartley Wood) determined as this based on morphological characters and documented in Tortelli & Pitt [FM20(4): 137–140 (2019)].

Cortinarius megacystidiosus Reumaux, in Bidaud, Carteret, Reumaux & Moëgne-Loccoz, *Atlas des Cortinaires* (Meyzieu) 20: 1574 (2012)

E: !

H: English collection on soil near *Fagus sylvatica*. A collection (2018) at K from West Kent (High Elms) confirmed as this by matching its barcode sequence with that of the holotype (K. Liimatainen unpubl.).

Cortinarius multiformium Consiglio & Moëgne-Loc., *Riv. Micol.* 47(4): 324 (2004)

E: !

H: On chalky soil. A collection (2019) at K from East Kent (Badgin Wood) determined as this by M. Tortelli with advice from T.G. Frøslev & T.S. Jeppesen.

Cortinarius nigromamosus Reumaux, in Bidaud, Carteret, Eyssartier, Moëgne-Loccoz & Reumaux, *Atlas des Cortinaires* (Meyzieu) 14: 907 (2004)

E: !

H: On sandy soil near *Pinus nigra*. A single collection (2003) in K from West Norfolk (Holkham Meals) originally determined as *C. fasciatus* (q.v.) (redet. based on ITS data analysis, K. Liimatainen unpubl.).

Cortinarius occidentalis var. obscurus (M.M. Moser) Quadr.

Move to 'excluded' list.

Cortinarius phaeosmus Rob. Henry

Move to 'excluded' list.

Cortinarius pseudofallax Carteret, in Bidaud, Carteret, Eyssartier, Moëgne-Loccoz & Reumaux, *Atlas des Cortinaires* (Meyzieu) 14: 907 (2004)

E: !

H: On soil near *Betula* and *Carpinus*.

A collection (2005) in K from Surrey (Fairmile Common) originally determined as *C. parvannulatus* (redet. based on ITS data analysis, K. Liimatainen) and a sequenced 2019 collection in K from East Kent (Putt Wood).

Cortinarius rubricosus (Fr.) Fr.

Move from 'excluded' list (delete associated **Notes**) to head the entry currently headed by *C. safranopes* (q.v.), which, along with *C. conicus* s. auct. Brit. and s. CFP 3 (1994) pl. C38, become synonyms.

Cortinarius safranopes Rob. Henry

Move to synonymy of *C. rubricosus*. Add "*Carpinus*" to the list of tree associates and replace **Notes** with: The barcode sequence derived from the holotype of *C. safranopes*, which was described in 1938, was found to match that obtained from the neotype of *C. rubricosus*, described much earlier by Fries, hence the former becomes a synonym of the latter (K. Liimatainen unpubl.).

Cortinarius scaurus var. herpeticus (Fr.) Quéf.

Move to synonymy of entry now headed by *C. herpeticus*.

Cortinarius serratissimus M.M. Moser

Move to 'excluded' list.

Cortinarius spisnii Consiglio, D. Antonini & M. Antonini, *II Genere Cortinarius in Italia* 2: B153 (2004)

E: !

H: On calcareous soil near planted *Tilia*.

A single collection (1991) at K from Surrey (Norbury Park) originally filed as *C. dryophiloides* ined. (redet. based on ITS data analysis, K. Liimatainen unpubl.).

Cortinarius suaveolens Bat. & Joachim, *Bull. Soc. mycol. Fr.* 36(2): 85 (1920)

E: !

H: English collection on chalky woodland soil near *Carpinus betulus*.

A collection (2018) at K from East Kent (Badgin Wood) confirmed as this by matching its barcode sequence with that of this species s. UNITE database (K. Liimatainen unpubl.) and documented in Tortelli & Pitt [FM20(4): 137–140 (2019)].

Cortinarius subgaleroideus Rob. Henry

Move to 'excluded' list.

Cortinarius violaceonitens (Rob. Henry) Moëgne-Locc., in Bidaud, Moëgne-Loccoz, Reumaux & Carteret, *Atlas des Cortinaires* (Meyzieu) 18(1, 2): 1375 (2009)

E: !

H: On soil in deciduous woodland. British collection associated with *Fagus sylvatica*.

A single collection (2004) in K from East Sussex (Flatopers Wood) originally determined as *C. camptoros* (q.v.) (redet. based on ITS data analysis, K. Liimatainen unpubl.).

Cortinarius xanthochlorus Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 82: 117 (1966)

E: !

H: On chalky woodland soil near *Fagus* and *Quercus*.

A collection (2019) at K from East Kent (Badgin Wood) determined as this by M. Tortelli with advice from T.G. Frøslev & T.S. Jeppesen.

Crustoderma fibuligerum (K.S. Thind & S.S. Rattan) Duhem, *Bull. Soc. mycol. Fr.* 125(3 & 4): 181 (2010) [2009]

Peniophora fibuligera K.S. Thind & S.S. Rattan, *Mycologia* 65(6): 1253 (1974) [1973]

S: !

H: Scottish collection on conifer log.

A collection at K (2018) from Mid Perthshire (The Hermitage) determined as this by K.-H. Larsson.

Cystolepiota fumosifolia (Murrill) Vellinga

E: !

H: On soil in heated glasshouses or outdoors in more natural habitats.

Move from list of alien taxa and replace first sentence of **Notes** with: Formerly thought to be an alien found in Kew glasshouses, but there are collections at K (2004 onwards) from East Gloucestershire (Colesbourne), North Somerset (Tyntesfield) and Surrey (Kew Gardens) which are from outdoor garden or woodland sites.

Descolea alba (Berk.) Kuhar, Nouhra & M.E. Sm., in Kuhar, Smith, Mujic, Truong & Nouhra, *Fungal Biology* 121(10): 883 (2017)

Hymenogaster albus Berk., *Ann. Mag. nat. Hist.*, Ser. 1 13: 349 (1844)

Descomyces albus (Berk.) Bougher & Castellano, *Mycologia* 85(2): 280 (1993)

Add to **Notes**: Previously listed in CBIB (and BritTruff) as *Hymenangium album* Klotzsch 1839 but this name is based on Bulliard's *Tuber album* and is regarded as a misapplication, as was Berkeley's earlier (1836) usage of *Rhizopogon albus*. The rationale for citing *Hymenogaster albus* Berk. as basionym is fully explained in Bougher [*Mycotaxon* 108: 313–318. (2009)] and summarised in Henrici [FM20(3): 82–83 (2019)].

Descolea antarctica Singer

E: ! **S:** !

H: On soil under *Nothofagus*.

Amended entry: Collections (from 2007 onwards) in E from Shetland (Lerwick) and in K from East Sussex (Wakehurst Place) and Leicestershire (Grace Dieu Woods). Probably introduced in Britain as a mycorrhizal partner of *Nothofagus* roots.

Entoloma vezzenaense Noordel. & Hauskn., *Öst. Z. Pilzk.* 7: 259 (1998)

W: !

H: Welsh collection on soil in cattle-grazed, unimproved, neutral grassland.

A collection at K (2013) from Pembrokeshire (Hundleton) determined as this by matching its barcode sequence with that of the holotype (M.E. Noordeloos *et al.* unpubl.) and documented in Harries [FM20(4): 113–115 (2019)].

Fomitiporia hartigii (Allesch. & Schnabl) Fiasson & Niemelä, *Karstenia* 24(1): 25 (1984)

Polyporus hartigii Allesch. & Schnabl, *Maladies des Plantes Agricoles* (Paris) 1: 332 (1890)

E: !

H: English collection on standing trunk of *Abies homolepis* in an arboretum.

New record. A cultured and preserved collection (2019) from Dorset (Wareham Forest) was sequenced and yielded a barcode supporting the determination (A. Lewis unpubl.).

HEBELOMINA Maire

This is now a synonym of *Hebeloma* based on type studies (see FungEur14). However, *Hebelomina neerlandica* has been recombined as *Gymnopilus neerlandicus* (currently included on the British & Irish list). Based on their molecular studies, Beker *et al.* (in FungEur14) concluded that specimens formerly assigned to *Hebelomina* were pale and smooth-spored forms of several brown-spored species in at least three genera. The 5 specimens in K collected from Surrey (Esher/Oxshott) and originally named as *H. neerlandica* await the generation of DNA sequence data before they can be redetermined. A sixth such specimen in K from North Hampshire (Leckford) has been redetermined as *Galerina* sp. (probably *G. marginata*) based on a morphological study.

Hodophilus micaceus (Berk. & Broome) Birkebak & Adamčík
Recent molecular and morphological studies [Adamčík *et al.*, *Mycological Progress* 17(9): 1097–1111 (2018)] have justified the recognition of six European species formerly classified as

H. micaceus, of which *H. micaceus* s.str. (Welsh holotype and epitype; Welsh and English DNA-verified collections) and two other segregate species (see below) should now be included on the British & Irish list. *Hygrophorus phaeoxanthus* should be moved from the synonymy of *Hodophilus micaceus* and moved to 'excluded' list as *Hodophilus phaeoxanthus*, a distinct species.

Hodophilus anatinus Dima, Adamčík & Jančovič., in Adamčík, Dima, Adamčíková, Harries, Læssøe, Moreau & Jančovičová, *Mycol. Progr.* 17(9): 1103 (2018)

E: ! W: !

H: Occurs in calcareous grassland.

New record. The paratypes include English collections (2016) from Derbyshire (Lin Dale and Wolfscoate Dale) and a Welsh collection (2013) in K from Caernarvonshire (Mariandyrys).

Hodophilus cambriensis Adamčík & Harries, in Adamčík, Dima, Adamčíková, Harries, Læssøe, Moreau & Jančovičová, *Mycol. Progr.* 17(9): 1105 (2018)

W: !

H: Welsh collections on bare soil or in moss in shaded sites (woodland edge, stream bank).

New record. Described with a Welsh holotype from Pembrokeshire (Orielson Wood). The paratypes include a Welsh collection (2008) in K from Pembrokeshire (Hundleton).

Hohenbuehelia auriscalpium (Maire) Singer
Hohenbuehelia abietina Singer & Kuthan, *Česká Mykol.* 34(2): 61 (1980)

Add *Hohenbuehelia abietina* to synonymy following Ainsworth *et al.* [FM17(3): 78–86 (2016)] and Consiglio & Setti (2018).

Hohenbuehelia grisea (Peck) Singer

E: ! W: ! O: Channel Islands: !

H: On dead wood of various broadleaved trees and shrubs.

Move from 'excluded' list following DNA analysis (K. Liimatainen, unpubl.) of four specimens in K originally determined as *H. atrocoerulea* (3) or *H. fluxillis* (1) and matching of the resulting sequences with those derived from the Austrian epitype (see Consiglio & Setti, 2018, who regard *H. myxotricha* as possibly providing an earlier name for this species). Historical collections named as *H. atrocoerulea* should be viewed with caution until re-examined/sequenced.

Hohenbuehelia pinacearum Thorn

Move to 'excluded' list. The remainder of the entry should be retained but headed by the name **Hohenbuehelia josserandii** Consiglio & Setti, *Riv. Micol.* 60(1): 20 (2017). This is the European species found on coniferous wood formerly misdetermined as the N. American *H. pinacearum*.

HYDNELLUM P. Karst.

Molecular analyses (LSU and ITS regions) have shown that the traditional morphological distinction between this genus and *Sarcodon* is no longer tenable [Larsson *et al.* *MycKeys* 54: 31–47. (2019)]. Both genera continue to be recognized but *Sarcodon* is now much reduced and *Hydnellum* has an emended description. The following transfers from *Sarcodon* to *Hydnellum* are now required (further examples to be found in the 'excluded' list):

ioeides (Pass.) E. Larss., K.H. Larss. & Kõljalg, in Larsson, Svantesson, Miscevic, Kõljalg & Larsson, *MycKeys* 54: 41 (2019).

This epithet was originally listed as *joeides*, now regarded as an orthographic variant.

scabrosum (Fr.) E. Larss., K.H. Larss. & Kõljalg, in Larsson, Svantesson, Miscevic, Kõljalg & Larsson, *MycKeys* 54: 42 (2019).

HYDNOPORIA Murrill, *N. Amer. Fl.* (New York) 9(1): 3 (1907)

Pseudochaete T. Wagner & M. Fisch., *Mycol. Progr.* 1(1): 100 (2002)

Hymenochaetopsis S.H. He & Jiao Yang, in Yang, Dai & He, *Mycol. Progr.* 15(2/13): 2 (2016)

Type: *Sistotrema fuscescens* Schwein.

An earlier name for the illegitimate *Pseudochaete* (q.v.) and its replacement *Hymenochaetopsis*.

corrugata (Fr.) K.H. Larss. & Spirin, in Miettinen, Larsson & Spirin, *Fungal Systematics and Evolution* 4: 88 (2019)
Segregated from *Hymenochaete* and moved to *Pseudochaete* and then *Hymenochaetopsis* following molecular and morphological studies [He & Dai, *Fungal Diversity* 56(1): 77–93 (2012); Yang, Dai & He, *Mycol. Progr.* 15(2/13): 1–8 (2016); Corfixen & Parmasto, *Karstenia* 57: 49–80. (2017)]. Now moved to the reinstated and earlier genus *Hydnoporia*. *Hymenochaete agglutinans* should be removed from the list of synonyms as this has now been lectotypified, epitypified and recognized as a synonym of the non-British *Hydnoporia olivacea* [Miettinen, Larsson & Spirin, *Fungal Systematics and Evolution* 4: 77–96 (2019)].

tabacina (Sowerby) Spirin, Miettinen & K.H. Larss., in Miettinen, Larsson & Spirin, *Fungal Systematics and Evolution* 4: 93 (2019)

Segregated from *Hymenochaete* and moved to *Pseudochaete* and then *Hymenochaetopsis* following molecular and morphological studies [Wagner & Fischer, *Mycol. Progr.* 1(1): 93–104 (2002); Yang, Dai & He, *Mycol. Progr.* 15(2/13): 1–8 (2016); Corfixen & Parmasto, *Karstenia* 57: 49–80. (2017)]. Now moved to the reinstated and earlier genus *Hydnoporia*.

Hygrophorus carpini Gröger

E: !

H: English collections on soil with *Carpinus*.

Move from synonymy of *H. lindtneri* and recognise as a distinct *Carpinus*-associated species. Collections in K from West Kent (Cockney's Wood and Darenth Wood) and collected in North Essex (Hatfield Forest) as documented in Overall [FM20(2): 60–66 (2019)] and following the treatment in Campo [Hygrophorus, Hygrocybe e Crophophyllus del Friuli Venezia Giulia. Gruppo Micologico Sacilese, Italy (2015)].

Hygrophorus latitabundus Britzelm.

E: !

H: English collection on soil under *Fagus* with some *Pinus*.

Move from 'excluded' list and replace **Notes** with: A collection (2018) in K from North Hampshire (Isle of Wight Hill) whose determination was molecularly confirmed by E. Larsson.

Hygrophorus lindtneri M.M. Moser

Move *H. carpini* (q.v.) from synonymy and recognise as a distinct *Carpinus*-associated species.

Hymenangium album Klotzsch

Name changed to *Descolea alba* (q.v.).

Hymenochaete corrugata (Fr.) Lév.

Name changed to *Hydnoporia corrugata* (q.v.).

Hymenochaete fuliginosa (Pers.) Lév.

E: !

H: On fallen branch of *Pinus radiata*.

Move from 'excluded' list and replace **Notes** with: A single collection (2005) in K from East Cornwall (Boconnoc Estate) originally filed as *H. fuliginosa* cf. and redetermined based on the 2017 European monograph [Corfixen & Parmasto, *Karstenia* 57: 49–80. (2017)]. Remove *H. subfuliginosa* (q.v.) from synonymy and include as a distinct species.

Hymenochaete jaapii Corfixen, in Corfixen & Parmasto, *Karstenia* 57: 60 (2017)

E: ! S: !

H: On dead stem of *Rubus fruticosus* agg. but elsewhere in Europe on various rosaceous and other woody substrata. Three historic English and a Scottish collection included in the 2017 European monograph [Corfixen & Parmasto, *Karstenia* 57: 49–80. (2017)]. These include an 1863 specimen in K from North Somerset (Batheaston) redetermined by P. Corfixen.

Hymenochaete pilatii Corfixen & Parmasto, *Karstenia* 57: 63 (2017)

S: !

H: On dead stem of *Prunus padus* but elsewhere in Europe on various rosaceous and other woody substrata.

One historic Scottish collection included in the 2017 European monograph [Corfixen & Parmasto, *Karstenia* 57: 49–80.

(2017)]. This specimen (in K) was collected in Morayshire (Forres) and redetermined by P. Corfixen.

Hymenochaete subfuliginosa Bourdot & Galzin, *Bull. Soc. mycol. Fr.* 38(2): 184 (1922)

S: !

H: On dead wood of *Quercus* but elsewhere in Europe more rarely on other broadleaved woody substrata including worked timber.

Move from 'excluded' list and from the synonymy of *H. fuliginosa*. Replace **Notes** with: Two historic Scottish collections included in the 2017 European monograph [Corfixen & Parmasto, *Karstenia* 57: 49–80. (2017)]. One specimen (in K) was collected in Angus (Glamis).

Hypodermella rosae (Bres.) Nakasone, *Cryptog. Mycol.* 29(3): 251 (2008)

Odontia rosae Bres., *Stud. Trent., Classe II, Sci. Nat. Econ.* 7(1): 60 (1926)

E: !

H: English collections on dead attached wood of trees and shrubs with white aerial mycelial bridges connecting and binding ('welding') woody elements in close proximity.

An unvouchered record (1997) from Surrey (Norbury Park) and a few collections at K (2016 onwards) from West Sussex (Offham & Rackham Hill) confirmed by morphological and molecular studies. Further details in Ainsworth & Liimatainen [FM20(2): 43–47 (2019)].

Inocybe fuscescens Kühner, *Docums Mycol.* 19(no. 74): 18 (1988)

E: !

H: English collections on calcareous downland soil with *Helianthemum*.

Collections (first determined by DNA analysis in 2015 by E. Larsson) from Oxfordshire (Watlington Hill) and Yorkshire documented in Cullington [FM20(2): 39–42 (2019)].

Inocybe nobilis (R. Heim) Alessio, *Iconogr. mycol., Suppl. III* (Milan): 327 (1980)

Inocybe fibrosa var. *nobilis* R. Heim, *Encyclop. Mycol., 1 Le Genre Inocybe (Paris)*: 375 (1931)

E: !

H: English collections on calcareous downland soil with *Helianthemum*.

Collections (2007 onwards) from Oxfordshire (Watlington Hill) and East Sussex (Malling Down) with determinations based on microscopy and ITS data analysis (P. Cullington, E. Larsson, K. Liimatainen & A.M. Ainsworth unpubl.).

KWONIELLA Statzell & Fell, in Statzell-Tallman, Belloch & Fell, *FEMS Yeast Res.* 8(1): 107 (2008)

Type: *Kwoniella mangrovensis* Statzell, Belloch & Fell

shivajii (R. Sreen. Rao, S.A. James, C.J. Bond, I.N. Roberts, K. Cross, Retter & P.J. Hobbs) Xin Zhan Liu, F.Y. Bai, M. Groenew. & Boekhout, in Liu, Wang, Göker, Groenewald, Kachalkin, Lumbsch, Millanes, Wedin, Yurkov, Boekhout & Bai, *Stud. Mycol.* 81: 137 (2015)

Cryptococcus shivajii R. Sreen. Rao, S.A. James, C.J. Bond, I.N. Roberts, K. Cross, Retter & P.J. Hobbs, *Curr. Microbiol.* 60(1): 14 (2010)

E: !

H: Cultured from the contents of a biogas reactor.

New record. The holotype was isolated (2006) from a biogas reactor sample in North Devon (Okehampton).

Multiclavula corynoides (Peck) R.H. Petersen, *Am. Midl. Nat.* 77: 215 (1967)

S: !

H: Scottish collection on mossy trackside soil in association with its algal symbiont.

New record. A collection at E and K (2019) from Easter Ross (Garbat Forest) determined on morphological characters.

Mycena cicognanii Robich, *Riv. Micol.* 46(3): 213 (2003)

E: !

H: English collection on mossy branch of living *Juniperus communis*, near ground level.

A collection at K (2017) from West Sussex (Newtimber Hill) determined as this by matching its barcode sequence with that of the holotype (A.M. Ainsworth & K. Liimatainen unpubl.).

Mycena luteovariegata Bugge Harder & Læssøe, in Harder, Læssøe, Frøslev, Rosendahl, Ekelund & Kjølner, *Fungal Biology* 117(11-12): 772 (2013)

Mycena pura var. *lutea* Gillet

Mycena pura f. *lutea* (Gillet) Kühner

W: !

H: Welsh collections in coastal dunes.

Formerly recognised as a form or variety of *M. pura*. Two collections at K (1987 and 2019) from Glamorganshire (Kenfig and Merthyr Mawr).

Mycena pura (Pers.) P. Kumm.

Transfer *M. pura* var. *lutea* and *M. pura* f. *lutea* to synonymy of *M. luteovariegata* (q.v.).

PHELLODON P. Karst.

Bankera Coker & Beers ex Pouzar

Recent DNA analysis [Baird *et al.*, *Fungal Diversity* 62: 41–114 (2013)] resulted in the recombination of *Bankera fuligineoalba* (the generic type) in *Phellodon* and so *Bankera* is now listed as a synonym. This change subsequently led to the recombination of *B. violascens* in *Phellodon*.

fuligineoalbus (J.C. Schmidt) R.E. Baird, in Baird, Wallace, Baker & Scruggs, *Fungal Diversity* 62: 63 (2013)

Name changed from *Bankera fuligineoalba*.

violascens (Alb. & Schwein.) A.M. Ainsw., *Index Fungorum* 401: 1 (2019)

Name changed from *Bankera violascens*.

Postia alni Niemelä & Vampola, *Karstenia* 41(1): 7 (2001)

E: !

H: On fallen branches of *Acer pseudoplatanus*.

A single collection (1996) in K from South Hampshire (New Forest) originally filed as *P. subcaesia* and redetermined based on matching with a sequence derived from the holotype [Miettinen *et al.*, *Fungal Systematics and Evolution* 1: 101–129. (2018)]. Further re-examination/sequencing of historic collections assigned to *P. subcaesia* are required to determine the true number of segregate species present in Britain and Ireland and determine their geographical and ecological preferences.

Psathyrella narcotica Kits van Wav.

Move to synonymy of *Psathyrella supernula* (q.v.).

Psathyrella supernula (Britzelm.) Örstadius & Enderle, *Agarica* 28: 108 (2009)

Psathyrella narcotica Kits van Wav.

Move *Psathyrella narcotica* to synonymy following FN (2012) and documented in Kibby *et al.* [FM21(1): 3–4 (2020)].

Psathyrella thujina A.H. Sm., *Mem. N. Y. bot. Gdn* 24: 316 (1972)

E: !

H: English collection on wet soil and *Phragmites* debris in reedbed.

New record. A collection at K (2017) from West Norfolk (Cranwich Pits) and documented in Henrici [FM18(3): 87–91 (2017)].

PSEUDOCHAETE T. Wagner & M. Fisch., *Mycol.*

Progr. 1(1): 100 (2002)

Type: *Pseudochaete tabacina* (Sowerby) T. Wagner & M. Fisch.

Introduced in the online database, but this is an illegitimate name (a later homonym of an algal genus). Replaced first by *Hymenochaetopsis* S.H. He & Jiao Yang and then by the earlier *Hydnoporia* Murrill (q.v.).

tabacina (Sowerby) T. Wagner & M. Fisch.

Name changed to *Hydnoporia tabacina* (q.v.).

Pseudotomentella rotundispora Svantesson, in Svantesson, Larsson, Kõljalg, May, Cangren, Nilsson & Larsson, *MycKeys* 50: 41 (2019)

E: !

H: Detected within mycorrhizal roots in soil of mixed woodland. Documented as British in Svantesson *et al.* [*MycKeys* 50: 1–77 (2019)] based on matching an ITS barcode sequence derived from an English (South Hampshire, Chappett's Copse) mycorrhizal root with that of the Swedish holotype.

Pseudotomentella sciastra Svantesson & Kõljalg, in Svantesson, Larsson, Kõljalg, May, Cangren, Nilsson & Larsson, *MycKeys* 50: 44 (2019)

S: !

H: Ectomycorrhizal, Scottish collection fruiting on dead wood in a small group of planted *Populus*. Documented as British in Svantesson *et al.* [*MycKeys* 50: 1–77 (2019)] based on matching of the ITS barcode sequence derived from a Scottish (Aberdeenshire, Inverurie) specimen collected in 2005 with that of the Swedish holotype. All European specimens labelled as *P. atrofusca* which were studied by Svantesson *et al.* (2019) were subsequently redetermined as *P. sciastra*.

Pseudotomentella umbrina (Fr.) M.J. Larsen, *Can. J. Bot.* 45: 1298 (1967)

E: ! **S:** !

H: Mycorrhizal in *Pinus* and mixed woodland. Documented as British in Svantesson *et al.* [*MycKeys* 50: 1–77 (2019)] based on matching collections made by U. Kõljalg in 2005 from Easternness (Glen Strathfarrar) and Morayshire (Culbin Forest) with the newly designated Swedish epitype. Likely to be the most common component of the *P. tristis* complex in northern Europe.

Resupinatus alboniger (Pat.) Singer

Name changed (for European material determined as this) to *R. europaeus* (q.v.).

Resupinatus applicatus (Batsch) Gray

Move all names based on *Agaricus striatulus* from synonymy to 'excluded' list. No known evidence to support the inclusion of *Resupinatus striatulus* in the neotypified sense (Consiglio & Setti, 2018).

Resupinatus europaeus Consiglio & Setti, *Monogr. Pag. Micol.*, Gen. *Hohenbuehelia Resupinatus* Europa (Vicenza): 301 (2018)

Name changed from *R. alboniger* for European material following Consiglio & Setti's (2018) monograph.

Resupinatus kavinae (Pilát) M.M. Moser

Note correction to the epithet spelling from "*kavinii*" (it was named to honour Prof. Karel Kavina). Verified as British sensu Consiglio & Setti (2018) based on matching a barcode sequence (K. Liimatainen, unpubl.) from a single 2017 collection at K from Surrey (Kew Gardens). Earlier collections

named as this should be treated with caution and re-examined, if possible, to check their determinations.

Sarcodon ioeides (Pass.) Bataille

Name changed to *Hydnellum ioeides* (q.v.).

Sarcodon scabrosus (Fr.) P. Karst.

Name changed to *Hydnellum scabrosum* (q.v.).

Seticyphella tenuispora Agerer

Move to 'excluded' list (q.v.).

STYPELLOPSIS Spirin & Malysheva, in Spirin, Malysheva, Haelewaters & Larsson, *Antonie van Leeuwenhoek* 112(5): 762 (2018)

Type: *Stypellopsis hyperborea* Spirin & Malysheva

hyperborea Spirin & Malysheva, in Spirin, Malysheva, Haelewaters & Larsson, *Antonie van Leeuwenhoek* 112(5): 762 (2018)

E: !

H: English collection on fallen trunk of *Pinus sylvestris*. A collection at K (2019) from South Hampshire (New Forest) confirmed as this by V. Spirin.

BASIDIOMYCOTA, PUCCINIOMYCOTINA

Microbotryum pinguiculae (Rostr.) Vánky, *Mycotaxon* 67: 48 (1998)

Ustilago pinguiculae Rostr., *Bot. Foren. Festschr. Kjøbenhavn* 30: 144 (1890)

W: !

H: Welsh collections in anthers of *Pinguicula vulgaris*. Welsh collections from Breconshire (incl. Henallt Common), Cardiganshire, Merionethshire and Radnorshire (incl. Pentrosfa Mire) reported in Woods *et al.* (2018).

BASIDIOMYCOTA, USTILAGINOMYCOTINA

Thecaphora affinis W.G. Schneid., *Jber. schles. Ges. vaterl. Kultur* 52: 90 (1874)

E: !

H: In the seed pods of *Astragalus glycyphyllos* replacing the seeds.

A collection at K from Berkshire (Chilswell Valley). For micrographs and further information see <http://fungi.myspecies.info/all-fungi/thecaphora-affinis>.

ALIEN BASIDIOMYCETES

Cystolepiota fumosifolia (Murrill) Vellinga

Move to 'non-alien' list (q.v.).

Lepiota elaiophylla Vellinga & Huijser, *Boll. Gruppo Micol. 'G. Bresadola'* (Trento) 40(2-3): 462 (1998) [1997]

Original description based on material in a Dutch glasshouse.

Two (2019) English collections (one in K) from a tropical glasshouse (Surrey, Kew Gardens, Palm House) in plant pot soil under two different species of Asian palm. Further details in FM 20(3): 101–104 (2019).

ADDITIONS & AMENDMENTS TO LIST OF EXCLUDED TAXA

BASIDIOMYCOTA, AGARICOMYCOTINA

camptoros Brandrud & Melot, Cortinarius

Move from 'included' list following sequencing and redetermination, as *C. violaceonitens* (q.v.), of the single voucher collection in K (from East Sussex, Flatropers Wood) which was supporting its CBIB inclusion (K. Liimatainen unpubl.).

danili Rob. Henry, Cortinarius

Move from 'included' list following sequencing and redetermination, as *C. danicus*, of the single voucher collection in K (from Fermanagh, Castle Coole) which was supporting its CBIB inclusion (K. Liimatainen unpubl.).

fasciatus Fr., Cortinarius

Move from 'included' list following sequencing and redetermination, as *C. nigromammosus* (q.v.), of the single voucher collection in K (from West Norfolk, Holkham Meals) which was supporting its CBIB inclusion (K. Liimatainen unpubl.).

fuligineoviolaceus (Kalchbr.) Pat., Sarcodon

Move to synonymy of *Hydnellum fuligineoviolaceum* (Kalchbr.) E. Larss., K.H. Larss. & Kõljalg following molecular analyses [Larsson *et al. MycoKeys* 54: 31–47. (2019)].

fuliginosa (Pers.) Lév., Hymenochaete

Remove *H. subfuliginosa* from synonymy and move both to 'included' list.

glaucopus Maas Geest. & Nannf., Sarcodon

Move to synonymy of *Hydnellum glaucopus* (Maas Geest. & Nannf.) E. Larss., K.H. Larss. & Kõljalg following molecular analyses [Larsson *et al. MycoKeys* 54: 31–47. (2019)]. British material formerly filed under *S. glaucopus* now filed under *H. scabrosum* (q.v.).

grisea (Peck) Singer, Hohenbuehelia

Move to 'included' list.

griseopallida (Weinm.) Park.-Rhodes, Calyptella

Retain in 'excluded' list but as a synonym of *Resupinatus griseopallidus* (q.v.).

griseopallidus (Weinm.) Knudsen & Elborne, Resupinatus, in Knudsen & Vesterholt, *Funga Nordica, Agaricoid, Boletoid and Cyphelloid Genera* (Copenhagen): 913 (2008)

Name changed from *Calyptella griseopallida*. Replace **Notes** with: "Neotypified in Consiglio & Setti (2018), but British collections so-named require revision and could represent several different species."

hillieri Rob. Henry, Cortinarius

Move to 'included' list and delete existing **Notes**.

latitabundus Britzelm., Hygrophorus

Move to 'included' list.

leucodiatreta Bon, Clitocybe

Move to 'included' list. Delete existing **Notes**.

mustialensis (P. Karst.) Thorn, Hohenbuehelia

Name changed from *H. reniformis* (which becomes a synonym of this) following monographic treatment by Consiglio & Setti (2018). Delete first sentence of **Notes**.

occidentalis var. obscurus (M.M. Moser) Quadr., Cortinarius

Move from 'included' list following sequencing and redetermination, as *C. collocandoides*, of the single voucher

collection in K (from West Kent, Orpington) which was supporting its CBIB inclusion (K. Liimatainen unpubl.).

phaeosmus Rob. Henry, Cortinarius

Move from 'included' list following sequencing and redetermination, as *C. disjungendus*, of the single voucher collection in K (from South Somerset, Horner Woods) which was supporting its CBIB inclusion (K. Liimatainen unpubl.).

phaeoxanthus (Romagn.) Adamčík & Jančovič., Hodophilus in Adamčík, Dima, Adamčíková, Harries, Læssøe, Moreau & Jančovičová, *Mycol. Progr.* 17(9): 1108 (2018)

Move *Hygrophorus phaeoxanthus* from synonymy of *Hodophilus micaceus* (in 'included' list) to the synonymy of this excluded and distinct species.

pinacearum Thorn, Hohenbuehelia

Move from 'included' list following Consiglio & Setti's (2018) monograph which stated that this is a N. American species. European collections named as this should be renamed *H. josserandii*.

pusiola (Fr.) R. Heim, Agrocybe

Move to 'included' list.

reniformis (G. Mey.) Singer, Hohenbuehelia

Retain in 'excluded' list but reduce to a synonym of *H. mustialensis* (q.v.). Delete first sentence of **Notes**.

rubricosus (Fr.) Fr., Cortinarius

Move to 'included' list.

serratissimus M.M. Moser, Cortinarius

Move from 'included' list following sequencing and redetermination, as *C. disjungendus*, of the single voucher collection in K (from Dorset, Clifton Maybank) which was supporting its CBIB inclusion (K. Liimatainen unpubl.).

striatulus (Pers.) Murrill, Resupinatus, *N. Amer. Fl. (New York)* 9(4): 242 (1915)

Move all names based on *Agaricus striatulus* from synonymy of *R. applicatus* in 'included' list. No known evidence to support the inclusion of *R. striatulus* in the neotypified sense (Consiglio & Setti, 2018).

subfuliginosa Bourdot & Galzin, Hymenochaete

Remove from synonymy of *H. fuliginosa* and move both to 'included' list.

subgaleroideus Rob. Henry, Cortinarius

Move from 'included' list following sequencing and redetermination, as *C. impolitus* s.l., of the single voucher collection in K (from Middlesex, Hounslow Heath) which was supporting its CBIB inclusion (K. Liimatainen unpubl.).

tenuispora Agerer, Seticyphella

Move from 'included' list following the redetermination (specimen now recurated in K as *S. niveola*) of the single voucher known.

versipellis (Fr.) Nikol. Sarcodon

Move to synonymy of *Hydnellum versipelle* (Fr.) E. Larss., K.H. Larss. & Kõljalg following molecular analyses [Larsson *et al. MycoKeys* 54: 31–47. (2019)]. Replace **Notes** with: Not authentically British. Reported from Scotland but the material has been redetermined by R. Watling as *Bankera fuligineoalba* (now *Phellodon fuligineoalbus*).