

CBIB COMPENDIUM OF UPDATES UD7–9 (Ainsworth, A.M. & Henrici, A. 2016–20) Compiled by AMA 01Feb2020

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). This compendium was produced to minimise the inconvenience of consulting the database together with the static copies of updates UD7–9. Corrections noted since the individual updates were uploaded to the website are shown in red.

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 Short References

FungEur14. Beker, H.J., Eberhardt, U. & Vesterholt, J. (2016). Hebeloma. *Fungi Europaei* 14. 1218 pp.

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

ACANTHOBASIDIUM Oberw., *Sydowia* 19(1-6):
45 (1965) [1966]

Type: *Acanthobasidium delicatum* (Wakef.) Oberw. ex Jülich

delicatum (Wakef.) Oberw. ex Jülich, *Persoonia* 10(3): 335
(1979)

Acanthobasidium phragmitis Boidin, Lanq., Cand., Gilles & Hugueney, in Boidin, Lanquetin, Gilles, Candoussau & Hugueney, *Bull. trimest. Soc. mycol. Fr.* 101(4): 345 (1986) [1985]

Aleurodiscus phragmitis (Boidin, Lanq., Cand., Gilles & Hugueney) Núñez & Ryvarde, *Syn. Fung.* (Oslo) 12: 123 (1997)

Name changed from *Aleurodiscus delicatus*. *Aleurodiscus phragmitis* has undergone a corresponding name change and is now reduced to a synonym (K.-H. Larsson pers. comm).

norvegicum (J. Erikss. & Ryvarde) Boidin, Lanq., Cand., Gilles & Hugueney, in Boidin, Lanquetin, Gilles, Candoussau & Hugueney, *Bull. trimest. Soc. mycol. Fr.* 101(4): 341 (1986) [1985]

Name changed from *Aleurodiscus norvegicus*.

ACANTHOPHYSIUM (Pilát) G. Cunn., *Bull. N.Z. Dept. Sci. Industr. Res., Pl. Dis. Div.* 145: 150 (1963)

Type: *Acanthophysium apricans* (Bourdot) G. Cunn.

apricans (Bourdot) G. Cunn., *Bull. N.Z. Dept. Sci. Industr. Res., Pl. Dis. Div.* 145: 155 (1963)

Name changed from *Aleurodiscus apricans*.

Agrocybe elatella (P. Karst.) Vesterh., *Nordic JI Bot.* 9(3): 317 (1989)

Roumequerites elatellus P. Karst., *Meddn Soc. Fauna Flora fenn.* 9: 43 (1882)

An earlier name and hence a name change (fide FAN6) for the species previously listed as *A. paludosa*.

Agrocybe paludosa (J.E. Lange) Kühner & Romagn. ex Bon, *Docums Mycol.* 18 (no. 69): 37 (1987)

Now a synonym of *A. elatella* (q.v.). Note amended authors and publication citation because *A. paludosa* (J.E. Lange) Kühner & Romagn., *Fl. Analyt. Champ. Supér.* (Paris): 341 (1953) is invalid.

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.

ALEUROBOTRYS Boidin, in Boidin, Lanquetin, Gilles, Candoussau & Hugueneu, *Bull. trimest. Soc. mycol. Fr.* 101(4): 340 (1986) [1985]

Type: *Aleurobotrys botryosus* (Burt) Boidin, Lanq. & Gilles

botryosus (Burt) Boidin, Lanq. & Gilles, in Boidin, Lanquetin, Gilles, Candoussau & Hugueneu, *Bull. trimest. Soc. mycol. Fr.* 101(4): 355 (1986) [1985]

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

H: On dead attached woody stems. British material usually in habitats with strong Atlantic climatic influence such as on coastal *Lonicera*, *Rosa* and *Rubus*.

Name changed from *Aleurodiscus botryosus* in the light of DNA sequence analysis (Larsson & Larsson, *Mycologia* 95(6): 1037–1065, 2003) with replacement distribution and habitat details.

Aleurodiscus apricans Bourdot

Name changed to *Acanthophysium apricans* (q.v.).

Aleurodiscus botryosus Burt

Name changed to *Aleurobotrys botryosus* (q.v.).

Aleurodiscus delicatus Wakef.

Name changed to *Acanthobasidium delicatum* (q.v.).

Aleurodiscus norvegicus J. Erikss. & Ryvarde

Name changed to *Acanthobasidium norvegicum* (q.v.).

Aleurodiscus phragmitis (Boidin, Lanq., Cand., Gilles & Hugueneu) Núñez & Ryvarde

Name changed to *Acanthobasidium phragmitis* and reduced to a synonym of *Acanthobasidium delicatum* (q.v.).

Amanita gemmata (Fr.) Bertill.

Agaricus gemmatus Fr., *Episc. syst. mycol.*: 12 (1838)

Amanitopsis gemmata (Fr.) Sacc., *Syll. fung.* 5: 25 (1887)

The above names to be included within the synonymy of *A. muscaria*. *Amanita junquillea* Qué. (listed as a synonym of *A. gemmata*) to become the current name of this taxon [Kibby, *FM* 17(1): 19–20 (2016)].

Amanita subnudipes (Romagn.) Tulloss, *Mycotaxon* 75: 329 (2000)

E: !

H: English collection on streamside soil under *Fagus* and *Quercus*.

New record. A collection (2017) at K from South Hampshire (Worts Gutter). Further details in Kibby [FM18(4): 139 (2017)].

Antrodia citrina Bernicchia & Ryvarde

Name changed to *Fibroporia citrina* (q.v.).

Antrodia gossypium (Speg.) Ryvarde

Name changed to *Fibroporia gossypium* (q.v.).

Antrodia pseudosinuosa A. Henrici & Ryvarde

Following sequencing of the English holotype, this should now be included as a synonym of *Trametopsis cervina* (q.v.).

Further details in Henrici *et al.* [FM19(4): 116–118 (2018)].

Antrodia vaillantii (DC.) Ryvarde

Name changed to *Fibroporia vaillantii* (q.v.).

Aphanobasidium paludicola (Hjortstam & P. Roberts) Boidin & Gilles, in Boidin, Gilles & Gerard, *Cryptog. Mycol.* 25(1): 37 (2004)

Name changed from *Phlebiella paludicola*.

APIOPERDON (Kreisel & D. Krüger) Vizzini, in Vizzini & Ercole, *Phytotaxa* 299(1): 81 (2017)

Type: *Lycoperdon pyriforme* Schaeff.

pyriforme (Schaeff.) Vizzini, in Vizzini & Ercole, *Phytotaxa* 299(1): 81 (2017)

Name changed from *Lycoperdon pyriforme* following recent molecular studies [Vizzini & Ercole, *Phytotaxa* 299(1): 77–86. (2017)].

ARTOMYCES Jülich, *Bibliothca Mycol.* 85: 395 (1982) [1981]

Type: *Artomyces pyxidatus* (Pers.) Jülich

pyxidatus (Pers.) Jülich, *Bibliothca Mycol.* 85: 399 (1982) [1981]

H: On dead wood. British material on log of broadleaved tree.

D+I: *FM* 14(1): 31–32 (2013)

Refound in Britain in East Suffolk in 2012. Long thought to be extinct in Britain and previously included on this checklist supported only by a Rea icon held at K clearly depicting English material collected in Worcestershire in 1896.

Name changed from *Clavicornia pyxidata* with replacement habitat details and notes and new **D+I**.

Athelia pyriformis (M.P. Christ.) Jülich

Name changed to *Eonema pyriforme* (q.v.).

Athelopsis baculifera (Bourdot & Galzin) Jülich

Move to 'excluded' list.

Athelopsis fusioidea (Jülich) Tellería, in Tellería & Melo, *Fl. Mycol. Iberica* 1: 87 (1995)

Name changed from *Leptosporomyces fusioideus*.

ATRACTOSPOROCYBE P. Alvarado, G. Moreno & Vizzini, in Alvarado, Moreno, Vizzini, Consiglio, Manjón & Setti, *Mycologia* 107(1): 129 (2015)

Type: *Atractosporocybe inornata* (Sowerby) P. Alvarado, G. Moreno & Vizzini

inornata (Sowerby) P. Alvarado, G. Moreno & Vizzini, in Alvarado, Moreno, Vizzini, Consiglio, Manjón & Setti, *Mycologia* 107(1): 129 (2015)

Name changed from *Clitocybe inornata*.

Aurantiporus alborubescens (Bourdot & Galzin) H. Jahn

Name changed to *Odoria alborubescens* (q.v.) following molecular studies showing that this species is not closely related to the type of *Aurantiporus* (*A. pilotae*, = *A. croceus*) [Papp & Dima, *Mycol. Progress* 17: 319–332. (2018)].

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 fuligineoalba* (q.v.).

violascens (Alb. & Schwein.) Pouzar

Name changed to *Phellodon violascens* (q.v.).

Biatoropsis hafellneri Millanes, Diederich, M. Westb. & Wedin, *Herzogia* 29(2/1): 341 (2016)

E: !

H: This species appears to be confined to the *Usnea fragiliscens* group of lichens (including *U. cornuta*), whereas *B. usnearum* is mainly confined to the *U. subfloridana* complex (incl. *U. glabrescens* and *U. wasmuthii*).

New record. The holotype (2004) was collected in West Cornwall (Lamorna Cove) on *Usnea cornuta*.

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.

BOTRYOBASIDIUM Donk

Botryohypochnus Donk

Add to synonymy.

isabellinum (Fr.) D.P. Rogers

Name changed from *Botryohypochnus isabellinus*.

Botryohypochnus isabellinus (Fr.) J. Erikss.

Name changed to *Botryobasidium isabellinum*.

Bovista limosa Rostr.

Move to 'excluded' list. British material now filed under *B. pusilla* (q.v.).

Bovista pusilla (Batsch) Pers., *Syn. meth. fung.* (Göttingen) 1: 138 (1801)

Lycoperdon pusillum Batsch., *Elench. fung. (Continuatio*

Secunda): 123 t. 41 f. 228 (1789)

Mis.: *Bovista limosa* sensu BritPuffb.

E: ! **W:** !

H: On dry sandy soils, sometimes amongst mosses in exposed locations. British material on dunes.

D+I: BritPuffb: 136-137 Figs. 103/104 (as *B. limosa*)

Rarely reported. Known from England (South Lancashire and Westmorland) and Wales (Anglesey, Carmarthenshire and Glamorganshire).

Recent molecular, ecological and morphological evidence [Larsson *et al.* *Mycological Progress* 8: 289–299. (2009)] has distinguished *Bovista pusilla*, which was lectotypified and epitypified, from *B. limosa*. The former name was previously considered to be a *nomen ambiguum* in Britain (BritPuffb) and its use was discontinued. ITS sequences derived from British material determined as *B. limosa* match those of epitypified *B. pusilla*. On this basis the British collections are now filed under *B. pusilla* (q.v.). Move from 'excluded' list and replace existing entry with the above.

BUGLOSSOPORUS Kotl. & Pouzar, *Česká Mykol.* 20: 82 (1966)

Type: *Buglossoporus quercinus* (Schrad.) Kotl. & Pouzar

Several DNA analyses [e.g. Han *et al.*, *Fungal Diversity*:

10.1007/s13225-016-0364-y (2016)] have shown that

Piptoporus quercinus is not closely related to *P. betulinus* (the generic type) and so *Buglossoporus quercinus* is reinstated on the British list.

quercinus (Schrad.) Kotl. & Pouzar, *Česká Mykol.* 20: 84 (1966)

Name changed from *Piptoporus quercinus*.

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).

BYSSOCORTICIUM Bondartsev & Singer,

Mycologia 36: 69 (1944)

Remove *Byssoporia* from synonymy.

terrestre (DC.) Bondartsev & Singer

Name changed to *Byssoporia terrestris* (q.v.).

BYSSOPORIA M.J. Larsen & Zak, *Canad. J. Bot.*

56: 1123 (1978)

Remove from synonymy of *Byssocorticium*.

terrestris (DC.) M.J. Larsen & Zak

Name changed from *Byssocorticium terrestre*.

Calocybe gangraenosa (Fr.) V. Hofstetter, Moncalvo,

Redhead & Vilgalys, in Redhead, *Index Fungorum* 8: 1 (2012)

Name changed from *Lyophyllum gangraenosum*.

CAMAROPHYLLOPSIS Herink

Recent molecular and morphological studies [Birkebak *et al.*, *Mycologia* 108(5): 860–868 (2016), Adamčík *et al.*, *Mycological Progress* 16(1): 47–62 (2017) and Adamčík *et al.*, *Mycological Progress* 16(8): 811–821 (2017)] have justified the recognition of *Hodophilus* (q.v.) thus necessitating the following moves from *Camarophyllopsis* (retaining *C. schulzeri*).

atropuncta (Pers.) Arnolds

Name changed to *Hodophilus atropunctus* (q.v.).

foetens (W. Phillips) Arnolds

Name changed to *Hodophilus foetens* (q.v.).

hymenocephala (A.H. Sm. & Hesler) Arnolds

Name changed to *Hodophilus hymenocephalus* (q.v.).

micacea (Berk. & Broome) Arnolds

Name changed to *Hodophilus micaceus* (q.v.).

Cantharellus aurora (Batsch) Kuyper

Name changed to *Craterellus lutescens* (q.v.) following the taxonomic treatment in Olariaga [*The order Cantharellales in the Iberian Peninsula and the Balearic Islands* PhD Thesis (2009)] and Kibby [*Mushrooms and toadstools of Britain & Europe 1* (2017)]. Move *C. lutescens* from synonymy to replace the heading of this entry.

Cantharellus cibarius

Remove *C. pallens* (q.v.) from synonymy and recognise as a distinct species (and distinct from *C. ferruginascens*) following the taxonomic treatment in Olariaga [*The order Cantharellales in the Iberian Peninsula and the Balearic Islands* PhD Thesis (2009)], Olariaga *et al.* [*Fungal Diversity* 83(1): 263–292 (2016)] and Kibby [*Mushrooms and toadstools of Britain & Europe 1* (2017)]. Move *C. cibarius* var. *albidus* to synonymy of *C. pallens* following Olariaga *et al.* [*Fungal Diversity* 83(1): 263–292 (2016)].

Cantharellus cinereus (Pers.) Fr.

Name changed to *Craterellus cinereus* (q.v.) following the taxonomic treatment in Olariaga [*The order Cantharellales in the Iberian Peninsula and the Balearic Islands* PhD Thesis (2009)] and Kibby [*Mushrooms and toadstools of Britain &*

Europe 1 (2017)]. Move *Craterellus cinereus* (Pers.) Pers. from synonymy (with corrected recombining author's name) to head this entry.

Cantharellus melanoxeros Desm.

Name changed to *Craterellus melanoxeros* (q.v.) following the taxonomic treatment in Olariaga [*The order Cantharellales in the Iberian Peninsula and the Balearic Islands* PhD Thesis (2009)] and Kibby [*Mushrooms and toadstools of Britain & Europe 1* (2017)].

Cantharellus pallens Pilát

E: !

H: Occurs with broadleaved trees.

Remove from synonymy of *C. cibarius* and recognise as separate species. Move *C. cibarius* var. *albidus* from synonymy of *C. cibarius* following Olariaga *et al.* [*Fungal Diversity* 83(1): 263–292 (2016)]. Add the above details and following **Notes**: "British distribution unclear due to historical confusion with pale varieties/forms of other species (photo labelled *C. pallens* in BritChant: 25 has been redetermined as *C. cibarius* var. *pallidus* in Olariaga *et al.* [*Cryptog. Mycol.* 36(3): 287–300 (2015)] and *C. ferruginascens* (photo labelled *C. ferruginascens* in Ph: 190 is likely to be an example of this). Perhaps the largest component of all the records previously assigned to *C. ferruginascens*. This group is now taxonomically clarified following the morphological and molecular studies of Olariaga [*The order Cantharellales in the Iberian Peninsula and the Balearic Islands* PhD Thesis (2009)] and Olariaga *et al.* [*Fungal Diversity* 83(1): 263–292 (2016)]. For further details see Kibby [*Mushrooms and toadstools of Britain & Europe 1* (2017)]."

Cantharellus romagnesianus Eyssart. & Buyck, *Cryptog. Mycol.* 20(2): 108 (1999)

E: !

H: English collection in soil near *Quercus petraea* and *Betula* in woodland.

A collection (2017) at K from East Cornwall (Greenscombe Wood) confirmed as this by matching its barcode sequence with that of the holotype. Further details in Penna [FM19(4): 113–115 (2018)].

Ceraceomyces eludens K.H. Larss., in Larsson & Larsson, *Folia cryptog. Estonica* 33: 74 (1998)

Mis.: *Ceraceomyces sublaevis* sensu CNE2 and auct. mult. p.p.

S: ! **W:** !

H: On dead wood of coniferous and broadleaved trees.

D+I: FungEur12: 200

Collections on *Pinus* and *Quercus* (2012 onwards) at K from Montgomeryshire (Gregynog), Morayshire (Beachen Wood) and South Aberdeen (Lui Bridge). Collections filed as *C. sublaevis* (q.v.) at K require re-examination and redispotion as *C. eludens* (cystidiate, sometimes sparsely so) or *C. microsporus* (acystidiate).

Ceraceomyces microsporus K.H. Larss., in Larsson & Larsson, *Folia cryptog. Estonica* 33: 75 (1998)

Mis.: *Ceraceomyces sublaevis* sensu CNE2 and auct. mult. p.p.

S: !

H: On dead wood. British material on fallen *Pinus* branch.

D: FungEur12: 201

A sequenced collection (2013) at K from South Aberdeenshire (Balmoral), but others undoubtedly exist. Collections filed as *C. sublaevis* (q.v.) at K require re-examination and redispotion as *C. eludens* (cystidiate, sometimes sparsely so) or *C. microsporus* (acystidiate).

Ceraceomyces sublaevis (Bres.) Jülich

Move to 'excluded' list.

Ceratobasidium bulbillifaciens Diederich & Lawrey, *Lichenologist* 46: 345 (2014)

E: !

H: English collections on or with lichens on bark of broadleaved trees.

New record. Collections on *Lecidella elaeochroma* on *Fraxinus* and with *Physcia adscendens* on *Acer* at K from South Essex.

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)].

Ceriporiopsis herbicola Fortey & Ryvarden

Following sequencing of the isotype, this should now be included as a synonym of *Hapalopilus eupatorii* (q.v.). Further details in Miettinen *et al.* *Myckeys*, 17: 1–46 (2016).

CHAMONIXIA Rolland, *Bull. Soc. mycol. Fr.* 15: 76 (1899)

Type: *Chamonixia caespitosa* Rolland

caespitosa Rolland, *Bull. Soc. mycol. Fr.* 15: 76 (1899)

W: !

H: Welsh collection in soil under *Picea* in plantation.

D+I: FM 17(2): 60–62 (2016)

New record. A collection (2015) at K from Merionethshire (roadside nr. Croesor).

Chromocyphella lamellata G. Moreno & Olariaga, in Moreno, G; Prieto, M; Esteve-Raventós, F; Olariaga, I, *Mycologia* 109(4): 583 (2017)

S: !

H: Scottish collection on living pleurocarpous moss on bark of *Picea sitchensis*.

New record. A collection (2018) at K from Dumfriesshire (Dryfehead) confirmed by matching its barcode sequence with that of the holotype (K. Liimatainen unpubl.).

CHROMOSERA Redhead, Ammirati & Norvell, *Beih. Sydowia* 10: 161 (1995)

Type: *Chromosera cyanophylla* (Fr.) Redhead, Ammirati & Norvell

The following name changes from *Hygrocybe* are required:

citrinopallida (A.H. Sm. & Hesler) Vizzini & Ercole, *Micol. Veg. Medit.* 26(1): 97 (2012) [2011]

Name changed from *Hygrocybe citrinopallida*.

lilacina (P. Karst.) Vizzini & Ercole, *Micol. Veg. Medit.* 26(1): 97 (2012) [2011]

Name changed from *Hygrocybe lilacina*.

viola (J. Geesink & Bas) Vizzini & Ercole, *Micol. Veg. Medit.* 26(1): 97 (2012) [2011]

Name changed from *Hygrocybe viola*.

xanthochroa (P.D. Orton) Vizzini & Ercole, *Micol. Veg. Medit.* 26(1): 97 (2012) [2011]

Name changed from *Hygrocybe xanthochroa*.

CINEREOMYCES Jülich, *Biblioth. Mycol.* 85: 396 (1982) [1981]

Type: *Cinereomyces lindbladii* (Berk.) Jülich

Type species treated in *Diplomitoporus* in the printed Checklist, but *Cinereomyces* now accepted as a separate genus and confirmed by sequencing data in Miettinen & Larsson [*Mycol. Progress* 10: 131–141 (2011)].

lindbladii (Berk.) Jülich

Name changed from *Diplomitoporus lindbladii*. Replace **D:** and **D+I:** sections with **D:** EurPoly1: 245–247 (as *Diplomitoporus lindbladii*), NM3: 209 (as *Diplomitoporus lindbladii*) **D+I:** B&K2:

280 346, FungEur10: 206-207 638-639 (as *Diplomitoporus lindbladii*)

Clavaria flavipes Pers.

Move from 'excluded' list, delete **Notes** and add *Clavaria straminea* to synonymy following Olariaga *et al.* [*Mycologia* 107(1): 104-122 (2015)].

Clavaria flavostellifera Olariaga, Salcedo, Daniëls & Kautmanová, in Olariaga, Salcedo, Daniëls, Spooner & Kautmanová, *Mycologia* 107(1): 107 (2015)

E: !

H: Welsh collection in thin soil on coastal headland with very short vegetation.

New record. Macroscopically similar to *C. flavipes* (*C. straminea*) but with ellipsoid, not globose, spores. A collection (2016) at K from Pembrokeshire (Stackpole) confirmed by matching its barcode sequence with that of the holotype (B. Douglas unpubl.).

Clavaria straminea Cotton

Name changed to *Clavaria flavipes* (q.v.).

Clavicornia pyxidata (Pers.) Doty

Name changed to *Artomyces pyxidatus* (q.v.).

Clavulicium delectabile (H.S. Jacks.) Hjortstam

Name changed to *Membranomyces delectabilis* (q.v.).

Clavulina cinerea (Bull.) J. Schröt.

Remove *Clavulina cinerea* var. *gracilis* from synonymy and recognise as separate species *Clavulina reae* (q.v.).

Clavulina coralloides (L.) J. Schröt.

Remove *Clavulina cristata* var. *incarnata* from synonymy and recognise as separate species *Clavulina incarnata* (q.v.).

Clavulina incarnata (Corner) Olariaga, in Olariaga & Salcedo *Mycotaxon* 121: 38 (2013) [2012]

Clavulina cristata var. *incarnata* Corner

E: !

H: English type collections in fenland on soil and on rotting leaves of *Molinia* (Cambridgeshire).

Remove from synonymy of *C. coralloides* (as *Clavulina cristata* var. *incarnata*) and recognise as separate species. Add the above details and following **Notes**: "For further details see Kibby [*Mushrooms and toadstools of Britain & Europe 1* (2017)]."

Clavulina reae Olariaga, in Olariaga & Salcedo *Mycotaxon* 121: 38 (2013) [2012]

Clavulina cinerea var. *gracilis* Rea

E: !

H: English type collections on bare soil in woods (Shropshire and Worcestershire).

Remove from synonymy of *C. cinerea* (as *Clavulina cinerea* var. *gracilis*) and recognise as separate species. Add the above details and following **Notes**: "For further details see Olariaga [*The order Cantharellales in the Iberian Peninsula and the Balearic Islands* PhD Thesis (2009)] and Kibby [*Mushrooms and toadstools of Britain & Europe 1* (2017)]."

Clavulinopsis luteonana Schild

Name changed to *Ramariopsis luteonana* (q.v.).

Clavulinopsis luteo-ochracea (Cavara) Corner

Name changed to *Ramariopsis luteo-ochracea* (q.v.).

Clitocybe candicans (Pers.) P. Kumm.

Name changed to *Leucocybe candicans* (q.v.).

Clitocybe catinus (Fr.) Quéf.

Name changed to *Infundibulicybe catinus* (q.v.).

Clitocybe costata Kühner & Romagn.

Name changed to *Infundibulicybe costata* (q.v.).

Clitocybe geotropa (Bull.) Quéf.

Name changed to *Infundibulicybe geotropa* (q.v.).

Clitocybe gibba (Pers.) P. Kumm.

Name changed to *Infundibulicybe gibba* (q.v.).

Clitocybe glareosa Röllin & Monthoux

Name changed to *Infundibulicybe glareosa* (q.v.).

Clitocybe inornata (Sowerby) Gillet

Name changed to *Atractosporocybe inornata* (q.v.).

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.

Clitocybe metachroides Harmaja, *Karstenia* 10: 99 (1969)

E: !

H: English collection on woodchip mulched cultivated beds.

D+I: FM 14(2): 39-40 (2013) (as *C. amarescens*), FM 16(1): 2 (2015) **I:** FM 14(1): 2 (2013)

Move from 'excluded' list and replace **Notes** with: Published English records and 2012 collection in K from Surrey (Kew Gardens). Other collections in K currently determined as *C. amarescens* or *C. amarescens* (cf.) require re-evaluation.

Clitocybe phaeophthalma (Pers.) Kuyper

Name changed to *Singerocybe phaeophthalma* (q.v.).

Clitocybe pruinosa P. Kumm.

Name changed to *Rhizocybe pruinosa* (q.v.).

Clitocybe vermicularis (Fr.) Gillet

Name changed to *Rhizocybe vermicularis* (q.v.).

Conocybe magnispora (Murrill) Singer, *Sydowia* 4(1-6): 135 (1950)

Galerula magnispora Murrill, *Mycologia* 35(5): 530 (1943)

E: !

H: English collection on cow dung on heathland.

New record. A collection (2006) at K from Dorset (Lulworth Range).

CONOHYPHA Jülich, *Persoonia* 8(3): 303 (1975)

Type: *Conohypha albocrema* (Höhn. & Litsch.)

Jülich

albocrema (Höhn. & Litsch.) Jülich, *Persoonia* 8(3): 304 (1975)

Name changed from *Hyphoderma albocrema*.

Coprinellus cinnamomeotinctus (P.D. Orton) D.J. Schaf.,

Field Mycology 13(3): 100 (2012)

Name changed from *Coprinus cinnamomeotinctus*.

Coprinellus sassii (M. Lange & A.H. Sm.) Redhead, Vilgalys & Moncalvo

Move to 'excluded' list.

Coprinopsis alopecia (Lasch) La Chiusa & Boffelli, in Boffelli,

Index Fungorum 333: 1 (2017)

Name changed from *Coprinus alopecia*.

Coprinopsis bellula (Uljé) P. Roux & Eyssart., in Eyssartier &

Roux, *Le guide des champignons – France et Europe* (Paris): 1083 (2011)

Name changed from *Coprinus bellulus*.

Coprinopsis candidata (Uljé) Gminder & T. Böhning, *Index*

Fungorum 302: 1 (2016)

Coprinus candidatus Uljé, *Persoonia* 13(4): 483 (1988)

E: !

H: English collections on woodland soil.

New record. Confirmed collections from Mid-west Yorkshire (Skipton Woods East) in 2006 and West Gloucestershire (Forest of Dean, Nagshead Reserve) in 2011 and 2013.

Coprinopsis candidolanata (Doveri & Uljé) Keirle, Hemmes & Desjardin, *Fungal Diversity* 15: 64 (2004)

Coprinus candidolanatus Doveri & Uljé, in Uljé, Doveri & Noordeloos, *Persoonia* 17(3): 465 (2000)

E: !

H: English collection on incubated sheep dung.
New record. A collection in K (2013) from North-east Yorkshire (Strensall Common).

Coprinopsis cortinata (J.E. Lange) Gminder, in Krieglsteiner & Gminder, *Die Großpilze Baden-Württembergs* (Stuttgart) 5: 650 (2010)

Name changed from *Coprinus cortinatus*.

Coprinopsis patouillardii (Quél.) Gminder, in Krieglsteiner & Gminder, *Die Großpilze Baden-Württembergs* (Stuttgart) 5: 650 (2010)

Name changed from *Coprinus patouillardii*.

Coprinopsis poliomalla (Romagn.) Doveri, Granito & Lunghini, *Riv. Micol.* 48(4): 338 (2005)

Name changed from *Coprinus poliomallus*.

Coprinopsis strossmayeri (Schulzer) Redhead, Vilgalys & Moncalvo, in Redhead, Vilgalys, Moncalvo, Johnson & Hopple, *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.).

Coprinus bellulus Uljé

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

Coprinus cinnamomeotinctus P.D. Orton

Name changed to *Coprinellus cinnamomeotinctus* (q.v.).

Coprinus cortinatus J.E. Lange

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

Coprinus patouillardii Quél.

Name changed to *Coprinopsis patouillardii* (q.v.). Likely to be moved into a new segregate genus in future (D.J. Schafer pers. comm.).

Coprinus poliomallus Romagn.

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

Coprinus vosoustii Pilát, *Stud. Bot. Čechoslav.* 5: 207 (1942)

E: !

H: English collection in loose sand by rabbit burrow.
New record. A collection in K (2015) from West Cornwall (Penhale Army Camp).

Coriopsis gallica (Fr.) Ryvarden

Name changed to *Trametes gallica* (q.v.).

Corticium quercicola Jülich

Name changed to *Marchandiomyces quercinus* (see FM 16(1): 16 (2015)).

Cortinarius acutispissipes Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 97(3): 172 (1981)

E: !

H: English collection in soil under *Quercus* and *Betula* in a cemetery.

A collection (2005) at K from Surrey (Brookwood Cemetery) redetermined as this and confirmed by matching its barcode sequence with that of the holotype (K. Liimatainen unpubl.).

Cortinarius alboamarensis Kytöv., Niskanen & Liimat., in Ariyawansa *et al.*, *Fungal Diversity*. 10.1007/s13225-015-0346-5, [192] (2015)

E: !

H: English collection on mixed woodland soil in moss under *Corylus*.

New record. A collection (2015) at K from Surrey (Kew Gardens Conservation Area) confirmed by matching its ITS sequence with that from the type (Niskanen and Liimat. unpubl.).

Cortinarius albocyanus Fr., *Monogr. Hymenomyc. Suec.* (Upsaliae) 2(1): 62 (1863)

E: !

H: English collections in woodland soil near *Betula* or amongst *Helianthemum nummularium* on calcareous downland.

Recent collections (2017) at K from East Sussex (Malling Down) and West Kent (Mereworth Woods) and collections redetermined as this (2002 onwards) from Buckinghamshire (Coombe Hill) and North Somerset (Walton Common) confirmed by matching their barcode sequences with that of the epitype. Further details in Liimatainen & Ainsworth [FM19(4): 119–135 (2018)]. Move from 'excluded' list and delete **Notes** with the exception of the last sentence.

Cortinarius aleuriosmus Maire

Move to 'excluded' list and move *C. caroviolaecus* from synonymy to head this entry.

Cortinarius anomalus (Fr.) Fr.

Three species to be removed from synonymy and recognised as distinct species based on molecular analyses: *Cortinarius azureovelatus* (q.v.) to be moved to the head of the current *C. xanthocephalus* entry with the latter reduced to a synonym, *C. epsomiensis* (q.v.), and *C. lepidopus* (q.v.).

Cortinarius aurantiobasalis Bidaud, in Bidaud, Moënne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires*, Pars V (Annecy): 150 (1993)

E: !

H: English collection in soil in coniferous plantation.
A collection (2006) at K from West Kent (Bedgebury Pinetum) redetermined as this and confirmed by matching its barcode sequence with that derived from material representing *C. aurantiobasalis* sensu Garnica (K. Liimatainen unpubl.).

Cortinarius azureovelatus P.D. Orton

E: ! S: ! W: ! NI: !

H: Scottish and English (type or barcode verified) collections from broadleaved or mixed woodland from a range of habitats.

Move from synonymy of *C. anomalus* to the head of the current *C. xanthocephalus* entry with the latter reduced to a synonym. Amend the author's name to P.D. Orton. Replace **Notes** with: Verified as British based on matching of sequences (K. Liimatainen unpubl.) with those obtained from the British holotypes of *C. azureovelatus* and *C. xanthocephalus*. The former is the earlier (1958 vs. 1960) of the two Orton names and therefore takes priority.

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 boreicyanites Kytöv., Liimat., Niskanen & A.F.S. Taylor, in Liimatainen, Niskanen, Dima, Kytövuori, Ammirati & Frøslev, *Persoonia*, Mol. Phyl. Evol. Fungi 33: 127 (2014)

S: !

H: Scottish collection with *Helianthemum* on rich calcareous soil.

New record. A collection (2010) at UPS from South Aberdeen (Braemar) confirmed by matching its ITS sequence with that from the type (Liimatainen *et al.* 2014).

Cortinarius brunneiaurantius Kytöv., Liimat. & Niskanen, in Liimatainen, Niskanen, Dima, Kytövuori, Ammirati & Frøslev, *Persoonia*, Mol. Phyl. Evol. Fungi 33: 136 (2014)

S: !

H: Scottish collection in mossy soil with *Betula pendula*. New record. A collection (2014) recently reported [Fortey *Mycologist News* 2015 (2): 10–12. (2015)] from West Ross (Rhidorroch birch woods) and confirmed by A.F.S. Taylor.

Cortinarius brunneus var. glandicolor (Fr.) H. Lindstr. & Melot

Move to synonymy of *Cortinarius glandicolor* (q.v.).

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 carviolaceus P.D. Orton

Move from synonymy of *C. aleuriosmus* to the head of the entry.

Cortinarius castaneolens Chevassut & Rob. Henry, *Docums Mycol.* 12(no. 47): 37 (1982)

S: !

H: Scottish collection in soil near *Pinus* and *Betula* in woodland with *Sphagnum*.

A collection (2005) at K from Easterness (Loch Garten) redetermined as this and confirmed by matching its barcode sequence with that of the holotype (K. Liimatainen unpubl.). It is possible that further molecular analysis will reveal an earlier name for this species.

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 circinans Rob. Henry, *Docums Mycol.* 16(no. 61): 27 (1985)

S: !

H: Scottish collection in mossy soil near planted *Picea* sp.

A collection (2017) at K from West Sutherland (Borgie Forest) redetermined as this and confirmed by matching its barcode sequence with that of the holotype (K. Liimatainen unpubl.).

Cortinarius claroplanusculus Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 99(1): 65 (1983)

E: !

H: English collection on mixed woodland soil in moss under *Carpinus* and *Corylus*.

New record. A collection at K (2015) from East Sussex (Butcher's Wood) confirmed by matching its ITS sequence with that from the type (Niskanen and Liimat. unpubl.).

Cortinarius collocandoides Reumaux, in Bidaud, Moënnelocoz, Reumaux & Carteret, *Atlas des Cortinaires* (Meyzieu) 18(1, 2): 1377 (2009)

E: !

H: In broadleaved woodland. English collection on cemetery soil under *Quercus* sp.

D+I: FM 16(1): 3–4 (2015)

New record. A collection (2014) at K from Surrey (Surbiton Cemetery). Many British collections currently named as *C. purpurascens*, *C. subpurpurascens* or *C. purpurascens* var.

largusoides are likely to be of this species [Kibby *Field Mycology* 16(1): 3–4 (2015)].

Cortinarius colossipes Reumaux, in Bidaud, Henry, Moënnelocoz & Reumaux, *Atlas de Cortinaires 3* (Annecy): 70 (1991)

E: ! **S:** !

H: British collections in soil near *Fagaceae* or *Pinus*.

Recent collections (2017) at K from East Sussex (Guestling Wood & Sheffield Park) and redetermined collections (2006 onwards) from Caithness (Olrig Wood) and Surrey (Esher Common, White Down) confirmed by matching their barcode sequences with that of the holotype (K. Liimatainen unpubl.). It is possible that further molecular analysis will reveal an earlier name for this species.

Cortinarius confirmatus Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 99(1): 67 (1983)

E: !

H: English collection fruiting in soil amongst *Helianthemum nummularium*.

A collection (2008) at K from North Somerset (Cross Plain) determined as this by matching its barcode sequence with that of the holotype. Further details in Liimatainen & Ainsworth [FM19(4): 119–135 (2018)].

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, Moënnelocoz, 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 dolabratus Fr.

S: !

H: Scottish collection on pine-dominated woodland soil with *Pinus sylvestris* and *Betula*.

Move from 'excluded' list. A collection (2015) at K from Mid Perthshire (Black Wood of Rannoch) confirmed by T. Niskanen.

Cortinarius epipurris 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 epsomiensis P.D. Orton

E: ! **W:** !

H: English and Welsh (holotype or barcode verified) collections fruiting in calcareous grassland soil amongst *Helianthemum*

nummularium. Known to associate elsewhere in Europe with broadleaved trees and has also been verified from wooded sandy heathland with mixed tree cover [as *C. pastoralis* in Dima *et al.*, *Mycol. Progr.*, 15: 903–919 (2016)]. Move from synonymy of *C. anomalus*. British holotype sequence obtained and matched with those from 10 Kew Fungarium collections in a study of *Helianthemum*-associated *Cortinarius*. Further details in Liimatainen & Ainsworth [FM19(4): 119–135 (2018)].

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 ferrusinus Ballarà, Mahiques & Garrido-Ben., *Moixeró* 9: 32 (2017)

W: !

H: Welsh collection fruiting in soil amongst *Helianthemum*.

I: FM16(4): 112 (as *C. spilomeus*)

A collection (2014) at K from Montgomeryshire (Llanymynech Rocks) redetermined as this by matching its barcode sequence with that of the holotype. Further details in Liimatainen & Ainsworth [FM19(4): 119–135 (2018)].

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 furfuraceus Rob. Henry ex Bidaud, in Bidaud, Moëgne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires*, Hors-Serie 1: 146 (1997)

S: !

H: Scottish collection in soil in mesic/damp *Pinus*-dominated woodland with *Betula*.

A collection (2015) at K from Mid Perthshire (Black Wood of Rannoch) redetermined as this and confirmed by matching its barcode sequence with that of the holotype (K. Liimatainen unpubl.).

Cortinarius galeobdolon Melot

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

Cortinarius geraniolens Bidaud, in Bidaud, Moëgne-Loccoz, Reumaux & Carteret, *Atlas des Cortinaires* (Meyzieu) 19: 1506 (2010)

E: !

H: English collection in soil under young planted *Quercus* sp. in damp broadleaved woodland.

New record. A collection (2012) at K from South Lancashire (Scutchers Acres) confirmed by matching its barcode sequence with that of the holotype (B. Douglas & K. Liimatainen unpubl.).

Cortinarius glandicolor (Fr.) Fr.

Remove from synonymy of *Cortinarius brunneus* var. *glandicolor* to replace it as head of the entry for this taxon with *Cortinarius brunneus* var. *glandicolor* reduced to synonymy following Niskanen *et al.* [*Mycol. Res.*, 113(2): 182–206 (2009)].

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 imbutus Fr.

Move to 'excluded' list.

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

E: !

H: English collection fruiting in soil beneath shallow water amongst lakeside sedges near *Quercus*.

A collection (2006) at K from Surrey (Vann Lake) redetermined as this and confirmed by matching its barcode sequence with that of the holotype (K. Liimatainen unpubl.). There are other sequenced collections awaiting accession and this is likely to be one of the most common British Hinnulei species.

Cortinarius largus Fr.

Include *Cortinarius patibilis* var. *scoticus* as a synonym.

Cortinarius lepidopus Cooke

Cortinarius anomalus var. *lepidopus* (Cooke) J.E. Lange, *Fl. agaric. danic. 5 Taxonomic Conspectus*: II (1940)

Cortinarius anomalus f. *lepidopus* (Cooke) Nespiak, *Fl. Polska*: 66 (1975)

E: ! **S:** ! **W:** ! **NI:** !

H: Scottish (barcode verified) collection from *Pinus* woodland with *Betula* but other collections are from a range of habitats. Move from synonymy of *C. anomalus*. Verified (s. FN) as British based on a sequence obtained (K. Liimatainen unpubl.) from a 2015 collection at K from Mid Perthshire (Black Wood of Rannoch).

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 leucoluteolus Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 99(1): 75 (1983)

E: !

H: English collections in soil near *Fagus* or *Quercus*.

Two collections (2017 & 2006) at K respectively from East Sussex (Sheffield Park) and Surrey (Norbury Park)

redetermined as this and confirmed by matching their barcode sequences with that of the holotype (K. Liimatainen unpubl.).

Cortinarius leucoleolus Rob. Henry

Cortinarius emollitoides Bidaud, Moëgne-Locq. & Reumaux, in Bidaud, Moëgne-Locq., 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-Locq., 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 luridus Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 84(3): 406 (1969) [1968]

E: !

H: English collection in soil in woodland.

A collection (1995) at K from South Devon (Loddiswell) redetermined as this (formerly as *C. renidens*) based on comparison of its barcode sequence with that of the holotype. It is possible that further molecular analysis will reveal an earlier name for this species (K. Liimatainen unpubl.).

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. malachus* (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-Locq., *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 multififormium Consiglio & Moëgne-Locq., *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 myxo-anomalus Kühner, *Docums Mycol.* 20(no. 77): 92 (1989)

E: !

H: English collections in woodland soil near *Betula*.

Collections (2011 & 2004) at K respectively from Dorset (Halstock) and South Somerset (Quantock Hills) redetermined as this and confirmed by matching their barcode sequences with that of a syntype. This forms part of an unresolved *C. delibutus* complex and it is possible that further molecular analysis will reveal an earlier name for this species (K. Liimatainen unpubl.).

Cortinarius nigromamosus Reumaux, in Bidaud, Carteret, Eyssartier, Moëgne-Locq. & 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 obtusorum Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 83(4): 1021 (1968) [1967]

E: !

H: English collection in soil under *Picea abies* in old plantation.

A collection (2009) at K from Dorset (Clifton Maybank) redetermined as this and confirmed by matching its barcode sequence with that of the holotype (K. Liimatainen unpubl.).

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

Move to 'excluded' list.

Cortinarius ominusus Bidaud, in Bidaud, Moëgne-Locq., Reumaux & Henry, *Atlas des Cortinaires* (Meyzieu) 6: 190 (1994)

S: !

H: Scottish collection on pine-dominated woodland soil with *Pinus sylvestris* and *Betula*.

New record. A collection (2015) at K from Mid Perthshire (Black Wood of Rannoch) confirmed by T. Niskanen.

Cortinarius patibilis var. scoticus Brandrud

Move to synonymy of *Cortinarius largus* following Liimatainen *et al.* [*Persoonia*, Mol. Phyl. Evol. Fungi 33: 98–140 (2014)]. Remove "*Cortinarius largus* sensu auct. brit." from synonymy and remove last sentence of **Notes**.

Cortinarius phaeosmus Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 97(3): 250 (1981)

E: !

H: English collection in woodland soil under *Fagus*.

New record. A collection (2015) at K from South Somerset (roadside in Horner Woods).

Cortinarius phaeosmus Rob. Henry

Move to 'excluded' list.

Cortinarius praestigiosus (Fr.) M.M. Moser, *Schweiz. Z. Pilzk.* 43(8): 131 (1965)

E: ! **S:** !

H: Scottish collection in soil in mesic/damp *Pinus*-dominated woodland with *Betula*.

Move from 'excluded' list. A collection (2015) at K from Mid Perthshire (Black Wood of Rannoch) redetermined as this and confirmed by matching its barcode sequence with that of the neotype (K. Liimatainen unpubl.). There is also a verified English collection awaiting accession.

Cortinarius pseudofallax Carteret, in Bidaud, Carteret, Eyssartier, Moëgne-Locq. & 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 punctatiformis Carteret, in Bidaud, Carteret, Reumaux & Moëgne-Loccoz, *Atlas des Cortinaires* (Meyzieu) 20: 1575 (2012)

E: !

H: English collections in woodland soil.

A few recent collections (several to be accessioned) at K from Kent and Middlesex determined as this and a 2010 collection from Surrey (Kew Gardens) redetermined as this. All based on matching barcode sequences with that derived from the holotype (T. Niskanen & K. Liimatainen unpubl.).

Cortinarius quercoconicus Liimat., Kytöv. & Niskanen, in Liimatainen, *Index Fungorum* 344: 3 (2017)

E: !

H: English collection in soil on mossy bank near near *Quercus*, *Carpinus* and *Corylus*.

A collection (2017) at K from North Essex (Epping Forest) verified as this by matching its barcode sequence with that of the holotype (K. Liimatainen unpubl.). This is *C. psammocephalus* s. CFP, but note that Bulliard's original plate of this species might not even represent a member of the genus *Cortinarius*.

Cortinarius renidens Fr.

Move to 'excluded' list.

Cortinarius roseipes (Velen.) Reumaux

Move to 'excluded' list.

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 sobrius P. Karst., *Hedwigia* 29: 177 (1890)

E: !

H: English collection in soil under planted *Populus* sp.

New record. A collection (2016) at K from East Sussex (Birchden Wood) confirmed by matching its barcode sequence with that of the type (K. Liimatainen unpubl.).

Cortinarius sphagnicola Carteret & Reumaux, in Bidaud, Carteret, Eyssartier, Moëgne-Loccoz & Reumaux, *Atlas des Cortinaires* (Meyzieu) 14: 908 (2004)

E: !

H: English collections in damp soil in *Alnus* carr.

Two collections (2009 & 1998) at K respectively from North Somerset (Catcott Heath) and Shropshire (Colemere Country Park) redetermined as this and confirmed by matching their barcode sequences with that of the holotype (K. Liimatainen unpubl.). It is possible that further molecular analysis will reveal an earlier name for this species.

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 squamosocephalus Bidaud, Moëgne-Locc. & Reumaux, *Bull. trimest. Soc. mycol. Fr.* 115(4): 417 (1999)

E: !

H: English collections fruiting in soil near *Carpinus* or *Quercus*. Collections (2017 & 2006) at K respectively from East Kent (Rice Wood) and Surrey (Vann Lake) redetermined as this and confirmed by matching their barcode sequences with that of the holotype (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 subcoronatus Bidaud, in Bidaud, Moëgne-Loccoz, Reumaux, Carteret & Eyssartier, *Atlas des Cortinaires* (Meyzieu) 11: 576 (2001)

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

E: !

H: English collections fruiting in soil amongst *Helianthemum nummularium*.

Collections (2004 onwards) at K from Derbyshire (Deep Dale), North Somerset (Hellenge Hill), Staffordshire (Castern Wood) and Westmorland (Heathwaite) redetermined as this and confirmed by matching their barcode sequences with that of the holotype. Further details in Liimatainen & Ainsworth [FM19(4): 119–135 (2018)]. It is possible that further molecular analysis will reveal an earlier name for this species.

Cortinarius subgaleroideus Rob. Henry

Move to 'excluded' list.

Cortinarius torvoideus Rob. Henry, in Bidaud, Moëgne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires* (Meyzieu) 10: 400 (2000)

E: !

H: English collection in soil under *Fagus sylvatica* in plantation.

A collection (2008) at K from North Somerset (Long Sutton Plantations) determined as this by matching its barcode sequence with that of the holotype (K. Liimatainen unpubl.).

Cortinarius ultrodistorus Rob. Henry & Vagnet, in Henry, *Bull. trimest. Soc. mycol. Fr.* 108(4): 220 (1992)

E: !

H: English collections fruiting in soil amongst *Helianthemum nummularium*.

Collections (2004 onwards) at K from Derbyshire (Coombs Dale), Oxfordshire (Watlington Hill) and Staffordshire (Castern Wood) redetermined as this and confirmed by matching their barcode sequences with those of the holotype. Further details in Liimatainen & Ainsworth [FM19(4): 119–135 (2018)]. It is possible that further molecular analysis will reveal an earlier name for this species.

Cortinarius vesterholtii Frøslev & T.S. Jeppesen, in Frøslev, Jeppesen & Læssøe, *Mycol. Res.* 110(9): 1055 (2006)

E: !

H: English collections fruiting in soil amongst *Helianthemum nummularium* or near *Carpinus betulus*.

Collections (2002 onwards) at K from East Kent (Putt Wood), North Somerset (Hellenge Hill) and Staffordshire (Castern Wood) confirmed or redetermined as this by matching their barcode sequences with those of the holotype. Further details in Liimatainen & Ainsworth [FM19(4): 119–135 (2018)].

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 (Flatropers Wood) originally determined as *C. camptoros* (q.v.) (redet. based on ITS data analysis, K. Liimatainen unpubl.).

Cortinarius xanthocephalus P.D. Orton

Move *C. azureovelatus* (q.v.) from synonymy of *C. anomalus* to the head of the current *C. xanthocephalus* entry. *C. xanthocephalus* is reduced to a synonym.

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.

CRATERELLUS Pers.

Move *Pseudocraterellus* to synonymy following Olariaga [*The order Cantharellales in the Iberian Peninsula and the Balearic Islands* PhD Thesis. (2009)].

cinereus (Pers.) Pers.

Name changed from *Cantharellus cinereus* following the taxonomic treatment in Olariaga [*The order Cantharellales in the Iberian Peninsula and the Balearic Islands* PhD Thesis. (2009)] and Kibby [*Mushrooms and toadstools of Britain & Europe 1* (2017)].

lutescens (Fr.) Fr.

Name changed from *Cantharellus aurora* (nom. illegit.) following the taxonomic treatment in Olariaga [*The order Cantharellales in the Iberian Peninsula and the Balearic Islands* PhD Thesis. (2009)] and Kibby [*Mushrooms and toadstools of Britain & Europe 1* (2017)]. *C. lutescens* sensu Fries is now a conserved name with a conserved type.

melanoxeros (Desm.) Pérez-De-Greg., in Carbó, Pérez-De-Gregorio, Rocabrana, Vila, Llistosella, Tabarés, Ballarà, Rodríguez, Torrent & Cortés, *Bolets de Catalunya* (Barcelona) 19(901–950): làm. 908 (2000)

Name changed from *Cantharellus melanoxeros* following the taxonomic treatment in Olariaga [*The order Cantharellales in the Iberian Peninsula and the Balearic Islands* PhD Thesis. (2009)] and Kibby [*Mushrooms and toadstools of Britain & Europe 1* (2017)].

sinuosus (Fr.) Fr.

Name changed from *Pseudocraterellus undulatus*. Controversy over the epithet remains, however, as there are three competing sanctioned names. For further details see Olariaga [*The order Cantharellales in the Iberian Peninsula and the Balearic Islands* PhD Thesis (2009)].

Crepidotus calolepis (Fr.) P. Karst.

E: ! **NI:** !

H: On dead wood of broadleaved trees.

D+I: Consiglio & Setti (2008): 105-113

Move from 'excluded' list. Replace **Notes** with: "Historic collections should be re-examined to distinguish between this species and scaly forms of *Crepidotus mollis*. Confirmed collections from West Cornwall and South Somerset."

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.

CUPHOPHYLLUS (Donk) Bon, *Docums Mycol.*

14(no. 56): 10 (1985) [1984]

Type: *Cuphophyllum pratensis* (Fr.) Bon

The following name changes from *Hygrocybe* are required:

aurantius (Murrill) Lodge, K.W. Hughes & Lickey, in Lodge et al., *Fungal Diversity*: 10.1007/s13225-013-0259-0, [80] (2013)

Name changed from *Hygrocybe aurantia*.

canescens (A.H. Sm. & Hesler) Bon, *Docums Mycol.* 20(no. 78): 40 (1990)

Name changed from *Hygrocybe canescens*.

colemannianus (A. Bloxam) Bon, *Docums Mycol.* 14(no. 56): 10 (1985) [1984]

Name changed from *Hygrocybe colemanniana*.

flavipes (Britzelm.) Bon, *Docums Mycol.* 14(no. 56): 11 (1985) [1984]

Name changed from *Hygrocybe flavipes*.

fornicatus (Fr.) Lodge, Padamsee & Vizzini, in Lodge et al., *Fungal Diversity*: 10.1007/s13225-013-0259-0, [80] (2013)

Name changed from *Hygrocybe fornicata*.

lacmus (Schumach.) Bon, *Docums Mycol.* 14(no. 56): 11 (1985) [1984]

Name changed from *Hygrocybe lacmus*.

lepidopus (Rea) A.M. Ainsw., *Index Fungorum* 332: 1 (2017)

Name changed from *Hygrocybe fornicata* var. *lepidopus* based on molecular data (A.M. Ainsworth et al. unpubl.).

pratensis (Fr.) Bon, *Docums Mycol.* 14(no. 56): 10 (1985) [1984]

Name changed from *Hygrocybe pratensis*.

radiatus (Arnolds) Bon, *Docums Mycol.* 20(no. 78): 40 (1990)

Name changed from *Hygrocybe radiata*.

russocoriaceus (Berk. & T.K. Mill.) Bon, *Docums Mycol.* 14(no. 56): 11 (1985) [1984]

Name changed from *Hygrocybe russocoriacea*.

virginus (Wulfen) Kovalenko, in Nezdoininogo, *Opredelitel' Gribov SSSR* (Leningrad): 37

Name changed from *Hygrocybe virginea*.

Cyphellostereum laeve (Fr.) D.A. Reid

Name changed to *Muscinipta laevis* (q.v.).

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 Singer emend. Kuhar, Noughra & M.E. Smith.

Setchelliogaster Pouzar

Synonymy based on molecular studies [Kuhar et al., *Fungal Biology* 121: 876–889 (2017)].

alba (Berk.) Kuhar, Noughra & M.E. Sm., in Kuhar, Smith, Mujic, Truong & Noughra, *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)].

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.

tenuipes (Setch.) Neville & Poumarat, in Neville, Poumarat & Ivaldi, *Bull. Soc. mycol. Fr.* 120(1–4): 68 (2005) [2004]
Secotium tenuipes Setch., *J. Mycol.* 13(6): 239 (1907)
Setchelliogaster rheophyllus (Bertault & Malençon) G. Moreno & Kreisel

Name changed from *Setchelliogaster rheophyllus* based on molecular studies [Kuhar *et al.*, *Fungal Biology* 121: 876–889 (2017)].

Diplomitoporus lindbladii (Berk.) Gilb. & Ryvarden

Name changed to *Cinereomyces lindbladii* (q.v.).

EMMIA Zmitr., Spirin & Malysheva, in Zmitrovich, Malysheva & Spirin, *Mycena* 6: 33 (2006)

Type: *Emmia latemarginata* (Durieu & Mont.) Zmitr., Spirin & Malysheva, in Zmitrovich, Malysheva & Spirin, *Mycena* 6: 33 (2006)

Recent molecular studies [Wu *et al.*, *Mycologia* (2017) DOI: 10.1080/00275514.2017.1405215] have shown that *Oxyporus latemarginatus* is not closely related to the type of the genus thus justifying the recognition of *Emmia*.

latemarginata (Durieu & Mont.) Zmitr., Spirin & Malysheva, in Zmitrovich, Malysheva & Spirin, *Mycena* 6: 33 (2006)

Name changed from *Oxyporus latemarginatus*.

Entoloma atroenigmaticum Noordel. & Hauskn., *Öst. Z. Pilzk.* 11: 120 (2002)

E: !

H: English collection in woodland soil.

New record. A collection (2016) at K from South Hampshire (Ocknell Inclosure).

Entoloma atromadidum A.M. Ainsw. & B. Douglas, in Ainsworth, Douglas & Suz, *Field Mycology* 19(1): 9 (2018)

E: ! W: !

H: Occurs in nutrient-poor grazed or mown grassland soil with one known site on thin soil overlying limestone pavement beneath scrub woodland.

Newly-described species with holotype from Oxfordshire (Watlington Hill). Collections (1982 onwards) at K, many of which were originally assigned to *E. bloxamii* (q.v.) or *E. madidum* (q.v.) and redetermined as this by matching their barcode sequences with those of the holotype. Further details in Ainsworth *et al.* [*Field Mycology* 19(1): 5–14 (2018)].

Entoloma bloxamii (Berk. & Broome) Sacc.

E: ! W: !

Now recognised in a restricted (and epitypified) sense alongside a reinstated (and neotypified) *E. madidum* (q.v.), *E. ochreoprunuloides* f. *hyacinthinum* and the newly-described *E. atromadidum* (q.v.), all of which constitute *E. bloxamii* s.l. This taxonomic revision is based on the molecular analyses in Morgado *et al.* [*Persoonia* 31: 159–178 (2013)] and in Ainsworth *et al.* [*Field Mycology* 19(1): 5–14 (2018)]. The revised distribution data above are based on currently available molecular evidence.

Entoloma conocybecystis Noordel. & Liiv, *Persoonia* 15(1): 28 (1992)

W: !

H: Welsh collection in grassland.

New record. A Welsh collection published in Griffith *et al.* [*Mycosphere* 4(5): 969–984. (2013)].

Entoloma glaucobasis Huijsman ex Noordel., *Persoonia* 12(4): 260 (1985)

W: !

H: Welsh collection in grassland.

New record. A Welsh collection published in Griffith *et al.* [*Mycosphere* 4(5): 969–984. (2013)].

Entoloma madidum Gillet

E: ! S: ! W: ! ROI: ! O: Isle of Man: !

Move from 'excluded' list. Now recognised in a neotypified sense and distinct from epitypified *E. bloxamii* (q.v.). This taxonomic revision is based on the molecular analyses in Morgado *et al.* [*Persoonia* 31: 159–178 (2013)] and in Ainsworth *et al.* [*Field Mycology* 19(1): 5–14 (2018)]. The revised distribution data above are based on currently available molecular evidence.

Entoloma moserianum Noordel., *Sydowia* 36: 208 (1983)

E: !

H: English collection in long grass by old hedgerow.

New record. A collection (2016) at K from West Gloucestershire (Thornbury) confirmed by M.E. Noordeloos. Further details in Kibby & Harding [FM17(3): 98–99].

Entoloma rubellum (Scop.) Gillet

Move to 'excluded' list.

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)].

EONEMA Redhead, Lücking & Lawrey, *Mycol. Res.* 113(10): 1169 (2009)

Type: *Eonema pyriforme* (M.P. Christ.) Redhead, Lücking & Lawrey

pyriforme (M.P. Christ.) Redhead, Lücking & Lawrey, *Mycol. Res.* 113(10): 1169 (2009)

Name changed from *Athelia pyriformis*.

FIBRICIELLUM J. Erikss. & Ryvarden

Move to synonymy of *Trechispora* (q.v.)

silvae-ryae J. Erikss. & Ryvarden

Name changed to *Trechispora silvae-ryae* (q.v.).

FIBROPORIA Parmasto, *Consp. System.*

Corticac. (Tartu): 176 (1968)

Type: *Fibroporia vaillantii* (DC.) Parmasto

Several DNA analyses [e.g. Bernicchia *et al.*, *Mycol. Progr.* 11: 93–100 (2012)] have shown that several mycelial cord-forming *Antrodia* species are monophyletic and should be recognised in a segregate genus.

citrina (Bernicchia & Ryvarden) Bernicchia & Ryvarden, in Bernicchia, Gorjón, Vampola, Ryvarden & Prodi, *Mycol. Progr.* 11: 96 (2012)

Name changed from *Antrodia citrina*.

gossypium (Speg.) Parmasto, *Consp. System. Corticac.* (Tartu): 207 (1968)

Name changed from *Antrodia gossypium*.

vaillantii (DC.) Parmasto, *Consp. System. Corticac.* (Tartu): 177 (1968)

Name changed from *Antrodia vaillantii*.

Flagelloscypha parasitica (Berk. & Broome) Agerer, *Mycotaxon* 9(2): 464 (1979)

Cyphella parasitica Berk. & Broome, *J. Linn. Soc., Bot.* 14(no. 74): 74 (1873) [1875]

E: !

H: On old perithecial stroma of *Hypoxylon* on dead wood of broadleaved tree.

New record. A collection (2015) at K from South Somerset (Horner Wood).

Fomitoporia 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.).

FOMITOPSIS P. Karst.

Piptoporus P. Karst.

Recent DNA analysis [Han *et al.*, *Fungal Diversity*:

10.1007/s13225-016-0364-y (2016)] has shown that *Piptoporus betulinus* (the generic type) is congeneric with *Fomitopsis pinicola* (the generic type) and so the former becomes a synonym of the latter.

betulina (Bull.) B.K. Cui, M.L. Han & Y.C. Dai, in Han, Chen, Shen, Song, Vlasák, Dai & Cui, *Fungal Diversity*:

10.1007/s13225-016-0364-y, [17] (2016)

Name changed from *Piptoporus betulinus*.

Ganoderma lucidum (Curtis.) P. Karst, *Rev. Mycol. (Toulouse)* 3(9): 17 (1881)

Add to notes: Historic British collections in K filed as *G. applanatum* var. *laccatum* (Kalchbr.) Rea and *G. laccatum* have been re-examined and refiled under *G. pfeifferi*.

Ganoderma pfeifferi Bres., *Bull. Soc. Mycol. France* 5: 70 (1889)

Ganoderma applanatum var. *laccatum* (Sacc.) Rea, *Brit. basidiomyc. (Cambridge)*: 597 (1922)

Add name to synonymy. Delete last sentence of **Habitat**. Add to notes: Historic British collections in K filed as *G. laccatum* have been re-examined and redetermined as *G. pfeifferi*.

Geastrum marginatum Vittad. *Monogr. Lycoperd.*: 163 (1842)

Name changed from *G. minimum* (q.v.) which is now regarded as a *nomen ambiguum* and *nudum* [Zamora *et al.*, *Persoonia* 34: 130–165 (2015)]. These authors distinguished two European 'minimum group' segregate species *G. granulatum* and *G. marginatum*. All ITS sequences derived from British material previously assigned to *G. minimum* clustered with those of *G. marginatum*. British *G. minimum* collections assigned to *G. marginatum* (q.v.) on this basis.

Geastrum minimum Schwein.

Move to 'excluded' list. British material now filed under *G. marginatum* (q.v.).

Geastrum pseudolimbatum Hollós

Move to 'excluded' list. British material from Surrey (Shalford) now redetermined based on ITS sequence analysis as *G. coronatum*.

Gloiocephala menieri (Boud.) Singer

E: !

H: English collection on dead *Typha latifolia* in fen. Move from 'excluded' list. A collection (2017) at K from East Norfolk (Filby Broad).

GLOIOXANTHOMYCES Lodge, Vizzini, Ercole & Boertm., in Lodge *et al.*, *Fungal Diversity*:

10.1007/s13225-013-0259-0, [49] (2013)

Type: *Gloioxanthomyces vitellinus* (Fr.) Lodge, Vizzini, Ercole & Boertm.

vitellinus (Fr.) Lodge, Vizzini, Ercole & Boertm., in Lodge *et al.*, *Fungal Diversity*: 10.1007/s13225-013-0259-0, [50] (2013)

Name changed from *Hygrocybe vitellina*.

Gyroporus lacteus Quél.

Amend the author name (because *Boletus lacteus* Lév., previously cited as basionym, is a nom. illegit.) and move from synonymy of *G. cyanescens* to 'excluded' list. This has been confirmed as a distinct species by molecular analysis in Vizzini *et al.* [*Phytotaxa* 226(1): 27–38 (2015)]. It was published as a British species in Kibby [*Field Mycology* 18(2): 62–65 (2017)] and Kibby [*Mushrooms and toadstools of Britain & Europe 1* (2017)] based on a 2016 collection at K from West Suffolk (Thetford Forest). However, the barcode sequence derived from this specimen is a closer match to that derived from the epitype of *G. cyanescens* (L.M. Suz unpubl.) and it has now been redetermined. *Gyroporus lacteus* is therefore unsubstantiated with voucher material and moved to the 'excluded' list.

Haasiella splendidissima Kotl. & Pouzar

Move from 'excluded' list to the synonymy of *H. venustissima* following molecular analysis in Vizzini *et al.* [*Mycologia* 104(3): 777–784 (2012)].

Hapalopilus eupatorii (P. Karst.) Spirin & Miettinen, in Miettinen, Spirin, Vlasák, Rivoire, Stenroos & Hibbett, *MycKeys* 17: 15 (2016)

Ceriporiopsis herbicola Fortey & Ryvarden

E: !

H: English collection at base of dead *Arctium* stem (originally determined as *Ceriporiopsis herbicola*, new to science). Include *Ceriporiopsis herbicola* in synonymy based on molecular analysis of an isotype-derived sequence [Miettinen *et al.*, *MycKeys* 17: 1–46 (2016)].

HASTODONTIA (Parmasto) Hjortstam & Ryvarden, *Syn. Fung.* (Oslo) 26: 49 (2009)

Type: *Hastodontia halonata* (J. Erikss. & Hjortstam) Hjortstam & Ryvarden

hastata (Litsch.) Hjortstam & Ryvarden, *Syn. Fung.* (Oslo) 26: 49 (2009)

Name changed from *Hyphodontia hastata*.

HEBELOMA (Fr.) P. Kumm., *Führ. Pilzk.*: 22, 80 (1871)

Type: *Hebeloma mesophaeum* (Pers.) Quél., typ. cons.

Beker *et al.*'s proposal to conserve the generic name *Hebeloma* typified by *H. mesophaeum*, not *H. fastibile* as in printed CBIB (2005), has been approved by the Nomenclature Committee for Fungi and awaits ratification by the General Committee [Beker *et al.*, *FungEur*14: 105 (2016)]. The following changes and "verified collections" are derived from Beker *et al.*'s detailed molecular, morphological and ecological studies and are based upon *FungEur*14 and their list of 45 UK species in *FM* 18(4): 119–132 (2017). Voucher collections cited in the online CBIB database should be deleted or replaced by sequence-verified collections.

aanenii Beker, Vesterh. & U. Eberh., in Eberhardt, Beker & Vesterholt, *Persoonia* 35: 111 (2015)

E: !

H: Occurs with a wide range of trees and shrubs in various habitats including dunes, parkland, scrub and woodland. New record. English collections verified from Buckinghamshire (Rushbeds Wood), Derbyshire (Ladybower Reservoir), Nottinghamshire (Clumber Park and Daneshill Forest), Warwickshire (Bishopton) and West Lancashire (Gait Barrows).

aestivale Vesterh.

E: ! **O:** Channel Islands: !

H: Usually on base-rich soil and associated with *Fagaceae*. Amend the above details and replace **Notes** with: "Verified English collections from Derbyshire (Ladybower Reservoir and Lockerbrook), Hertfordshire (Whippendell), Oxfordshire (Warburg Reserve), Surrey (Boldermere) and Westmorland

(Roudsea) and one collection has been verified from Jersey (Pont Marquet) [Beker *et al.*, FungEur14: 355 (2016)]."

alpinum (J. Favre) Bruchet
Move to 'excluded' list.

ammophilum Bohus
Move to 'excluded' list.

anthracophilum Maire

E: !

H: Occurs on burnt ground and likely to be associated with *Fagaceae*.

Move from 'excluded' list. Amend the above details and replace

Notes with: "Verified English collections from Derbyshire (Chatsworth) and South-east Yorkshire (Holmsfield Wood)."

arenosum Burds., Macfall & M.A. Albers

Move to 'excluded' list.

atrobrunneum Vesterh.

Move to synonymy of *H. nigellum* (q.v.).

birrus (Fr.) Gillet

Hebeloma calyptosporum Bruchet

Hebeloma radicum (Cooke) Maire

E: ! **S:** ! **W:** ! **NI:** !

H: Occurs with a wide range of coniferous and broadleaved trees in various habitats, often from locally nitrogen-enriched spots.

Move *H. pumilum* and *H. danicum* from synonymy and recognise both as separate species. Move *H. calyptosporum* and *H. radicum* (and its synonyms but note the amended recombining author's name for *H. longicaudum* var. *radicum* (Cooke) Sacc.) from 'excluded' list to synonymy. Amend the above details (including the recombining author's name) and replace **Notes** with: "Verified collections from Antrim (in E as *H. populinum*), East Norfolk (Itteringham), Easternness (Curr Wood and Glenmore) and Surrey (Elstead and Saville Gardens)."

bulbiferum Maire, *Publ. Inst. Bot. Barcelona* 3(no. 4): 108 (1937)

Hebeloma colossus Huijsman

E: !

H: Occurs in base-rich soil, usually with *Quercus* and likely to favour warm localities.

Move *H. colossus* from 'excluded' list to synonymy [following morphological studies by Beker *et al.*, FungEur14: 582 (2016)]. A verified English collection (1976), originally determined as *H. colossus*, verified from West Sussex (Burpham).

cavipes Huijsman

E: !

H: Occurs with a wide range of trees and shrubs (including *Eucalyptus* and *Helianthemum*) in various habitats including dunes, but not known from arctic/alpine habitats.

Move *H. lutense* from synonymy and move both from 'excluded' list and recognise as separate species. Add the above details and replace **Notes** with: "English collections verified from Cheshire (Crew Hall), Derbyshire (Deepdale, Dovedale and Ladybower Reservoir), Nottinghamshire (Clumber Park, Daneshill Forest), Surrey (Penny Hill Park).

circinans (Qué.) Sacc.

Move to 'excluded' list.

clavulipes Romagn.

E: !

H: In wet, often boggy or mossy ground, apparently associated with *Betula*, *Picea* and *Salix*.

Move from 'excluded' list. Add the above details and replace **Notes** with: "Although some deviating microscopical differences were noted [Beker *et al.*, FungEur14: 123 (2016)], two English collections (1964) from East Norfolk (Surlingham) in E and previously named as *H. ?pumilum* were verified and accepted as *H. clavulipes* due to insufficient evidence supporting their recognition as a distinct taxon."

crustuliniforme (Bull.) Qué. emend. Beker, Vesterh. & U. Eberh.

E: ! **S:** ? **W:** ? **NI:** ? **ROI:** ? **O:** Channel Islands: !

H: Occurs with a wide range of trees and shrubs in various habitats including dunes, but not known from arctic/alpine habitats.

Amend the above details and replace **Notes** with: "English collections verified from London and West Norfolk (Holkham Meals). One collection in K from the latter site was previously determined as *H. circinans* (now excluded from the British list). A collection in K from Jersey (Les Quennevais) filed as *H. ochroalbidum* (*H. eburneum*) now redetermined as *H. crustuliniforme* [Beker *et al.*, FungEur14: 218 (2016)]. Note that this is not one of the most frequently recorded *Hebeloma* species in Britain fide Beker *et al.* [FM 18(4): 119–132 (2017)] and collections they studied represented "some 15 different taxa!" Existing collections therefore require re-analysing before the distribution of this species can be satisfactorily understood.

danicum Gröger

E: !

H: Occurs with a wide range of trees and shrubs in various habitats.

Remove from synonymy of *H. birrus* and recognise as separate species. Add the above details and following **Notes**: "An English collection in K (1994) from West Sussex (Houghton Forest) has been redetermined as this (Beker *et al.* [FM 18(4): 119–132 (2017)]."

dunense L. Corb. & R. Heim

Hebeloma collariatum Bruchet

E: ! **W:** !

H: Occurs in dunes, in arctic/alpine habitats and in woodlands with *Salicaceae*.

Move *H. collariatum* from 'excluded' list to synonymy [following lectotype studies by Beker *et al.*, FungEur14: 582 (2016)] and delete associated **Notes**. Replace **Habitat** and **Distribution** data with the above details and replace **Notes** with: "English and Welsh collections verified from Anglesey (Aberffraw and Newborough dunes), Buckinghamshire (Whitchurch) and two collections previously named as *H. psammophilum* from South Lancashire (Ainsdale Dunes) and Westmorland (Sandscale Haws), the latter preserved in K."

eburneum Malençon, in Malençon & Bertault, *Champignon Supérieurs du Maroc* 1: 445 (1970)

E: !

H: Occurs with a wide range of trees and shrubs in various habitats including dunes, but not known from arctic/alpine habitats.

New record. An English collection (2002) verified from South Lancashire (Ainsdale Dunes).

fragilipes Romagn.

Move to 'excluded' list.

fusisporum Gröger & Zschiesch.

E: ! **S:** ! **W:** !

Amend the above details, delete last sentence of **Habitat** and replace **Notes** with: "Verified collections from Anglesey (Cors Erd), Caernarfonshire (Cors Geirch), Caithness (Loch Olginney), Easternness (Bogach and Tulochgrue), Mid-west Yorkshire (Gisburn Forest), South-west Yorkshire (Moor Piece and Potteric Carr)."

geminatum Beker, Vesterh. & U. Eberh., in Eberhardt, Beker & Vesterholt, *Persoonia* 35: 122 (2015)

E: !

H: A cryptic species occurring with a wide range of trees and shrubs in various habitats.

New record. An English collection (1971) filed in K as *H. alpinum* from West Kent (Bedgebury Pinetum) has been redetermined as this [Beker *et al.*, FM 18(4): 119–132 (2017)]. Other verified collections are from Berkshire (California Park), Surrey (Virginia Water and Witley), West Kent (Tudeley Woods), and West Sussex (Graffham).

gigaspermum Gröger & Zschiesch.
Move to synonymy of *H. nauseosum* (q.v.).

griseopruinatum Vesterh., Beker & U. Eberh., in Eberhardt, Beker, Vesterholt, Dukik, Walther, Vila & Fernández Brime, *Fungal Diversity* 58(1): 120 (2013)

E: !

H: Occurring with *Helianthemum nummularium* in calcareous grassland.

New record. This species has an English collection (2002) from Staffordshire (Bincliffe Mines) as paratype. Otherwise known from Denmark (holotype) and Germany (paratype) but expected to be widespread in Europe wherever suitable habitat exists.

hetieri Boud.

Move to synonymy of *H. odoratissimum* (q.v.).

hiemale Bres.

Hebeloma oculatum Bruchet

E: ! S: !

H: Occurs with a wide range of trees and shrubs in various habitats.

Move from 'excluded' list following Beker *et al.*, *FungEur14*: 326 (2016). Move *H. oculatum* from 'excluded' list to synonymy. Add the above details and replace **Notes** with: "Formerly *H. hiemale* was excluded from the list as a *nomen dubium* with the note that British records were, at least in part, *H. fragilipes*. The current view is that there are no known verified collections of *H. fragilipes*. On the other hand there are verified collections of *H. hiemale* [as epitypified in Beker *et al.*, *FungEur14*: 326 (2016)] from widespread localities in England and Scotland."

hygrophilum Poumarat & Corriol, in Beker, Eberhardt & Vesterholt, *Fungi europ.* (Lomazzo) 14: 138 (2016)

E: !

H: Occurs in boggy soil, among *Sphagnum* beneath *Salix*. New record. English collections (2002) verified from Mid-west Yorkshire (Malham Tarn).

incarnatum A.H. Sm.

Move to 'excluded' list.

ingratum Bruchet

E: !

H: Occurs with a wide range of trees and shrubs (usually broadleaved) in various habitats.

Move from 'excluded' list. Add the above details and replace **Notes** with: "An English collection (2000) from Surrey (Witley) has been verified as this [Beker *et al.*, *FungEur14*: 291 (2016)]."

ischnostylum (Cooke) Sacc.

E: !

H: Occurs with a range of broadleaved trees and shrubs (usually broadleaved) in various habitats many of which are wet.

Move from 'excluded' list. Add the above details and replace **Notes** with: "Cooke's illustration of specimens from Shropshire (Shrewsbury) has been designated as lectotype supported by a sequenced French epitype [Beker *et al.*, *FungEur14*: 514 (2016)]. Verified English collections from Berkshire (Windsor Great Park), Derbyshire (Abney Clough), Hertfordshire (Northaw) and Shropshire (Dudmaston Estate)."

laetitia Quadr., *Mycotaxon* 49: 281 (1993)

E: !

H: (Based on three worldwide collections) Occurs in wet soil with *Quercus* and expected to be rare in Europe.

New record. A white-spored ("*Hebelomina*") English collection (2001) has been verified from Buckinghamshire (Stoke Common). The other two known collections (brown-spored) are from Italy [Beker *et al.*, *FungEur14*: 295 (2016)].

laterinum (Batsch) Vesterh.

E: !, W: ?

H: Occurs with a wide range of trees and shrubs in various base-rich soils including grassland sites with *Helianthemum*. Amend the above details and move *H. fastibile* from 'excluded' list and include in synonymy of *H. laterinum*. Beker *et al.*, *FungEur14*: 451 (2016) assumed that the accepted proposal to conserve the name *Agaricus laterinus* against the sanctioned name *Agaricus fastibilis* (which was the generic type) would be endorsed and the generic type would be replaced by *H. mesophaeum*. Verified collections are known from widespread localities in England.

leucosarx P.D. Orton

E: !, S: !, W: ?, NI: ?, ROI: ?

H: Occurs with moss, often in wet areas with *Sphagnum*, and associated with *Betula* and/or conifers.

Amend the above details, move *H. velutipes* from synonymy to be recognised as an included species in its own right and replace **Notes** with: "Verified collections from Berkshire (Windsor Great Park), Easternness (Curr Wood, Glenmore, Insh, Loch an Eilein, Loch Loy and Tullochgrue), (South-west Yorkshire (Lords Lot), Surrey (Boldermere) and Westmorland (Roudsea)."

limbatum Beker, Vesterh. & U. Eberh., in Beker, Eberhardt, Vesterholt & Schütz, *Fungal Biology* 120(1): 83 (2015) [2016]

E: !

H: Likely to be associated with base-rich soils and *Quercus*. New record. An English collection in H. Beker's fungarium (1994) from Buckinghamshire (Stoke Park) has been determined as this (Beker *et al.* [FM 18(4): 119–132 (2017)].

lutense Romagn.

E: ! S: !

H: Occurs with *Salicaceae* and usually on wet sites.

Remove from synonymy of *H. cavipes* in 'excluded' list and recognise as separate species. Verified collections from Easternness (Bogach and Loch Loy), Orkney and Surrey (Boldermere and Bookham Common).

marginatum (J. Favre) Bruchet

Move to 'excluded' list.

mesophaeum (Pers.) Quéf.

Hebeloma mesophaeum var. *crassipes* Vesterh.

Hebeloma bruchetii Bon

Hebeloma subcollariatum (Berk. & Broome) Sacc.

Move *H. flammuloides* to synonymy of *H. subtortum* (q.v.) and *H. mesophaeum* var. *crassipes* from synonymy of *H. subtortum* (= *H. sordidum*) to synonymy of *H. mesophaeum*. Move *H. bruchetii* and *H. subcollariatum* from 'excluded' list to synonymy.

nanum Velen., *Novitates Mycologicae*: 117 (1939)

E: ! S: !

H: Seems to favour associating with conifers in base-poor soils. New record. Verified collections from East Kent (Challoch Wood), Easternness (Glenmore) and Mid Perthshire (Rannoch).

nauseosum Sacc.

Hebeloma gigaspermum Gröger & Zschiesch.

E: ! S: ? W: ! NI: ?

H: Occurs with a range of trees and shrubs, usually *Salix*, in various habitats which may be calcareous, nutrient rich or wet, but it is not known from dunes, coniferous or arctic/alpine habitats.

Amend author citation [replacement name for the illegitimate *Agaricus nauseosus* Cooke (1887)], move from 'excluded' list and include *H. gigaspermum* as a synonym. Add the above details and replace **Notes** with: "Cooke's illustration of specimens from West Gloucestershire (Park End) has been designated as lectotype supported by a sequenced Italian epitype [Beker *et al.*, *FungEur14*: 519 (2016)]. A verified Welsh collection from Caernarfonshire (Cors Geirch)."

negellum Bruchet, *Bull. mens. Soc. linn. Lyon* 39 (6 Suppl.): 126 (1970)

Hebeloma atrobrunneum Vesterh.

Hebeloma kuehneri Bruchet

E: ! S: !

H: Associated with *Salix*, in arctic/alpine vegetation or a variety of other damp habitats.

Previously included as *H. atrobrunneum* which is now reduced to synonymy. Move *H. kuehneri* from 'excluded' list to synonymy based on type studies [Beker *et al.*, FungEur14: 604 (2016)]. Verified collections from Caithness (Loch Calder) and South-west Yorkshire (Potteric Carr).

odoratissimum (Britzelm.) Sacc., *Syll. fung.* 11: 55 (1895)
Hebeloma hetieri Boud.

E: ! S: ?

H: Occurs with a range of trees and shrubs in various habitats which may be calcareous, nutrient rich or wet, but it is not known from dunes or arctic/alpine habitats.

Previously included as *H. hetieri* which is now reduced to synonymy. Amend the above details and replace **Notes** with: "Verified English collections from Bedfordshire (Shefford) and South-west Yorkshire (Potteric Carr)."

populinum Romagn.

E: !

H: (Based on three worldwide collections) Occurs with *Salicaceae* in wet habitats.

Move from 'excluded' list. Add the above details and replace **Notes** with: "One verified English collection (2010) is known from Oxfordshire (Shiplake College). Likely to be widespread in Europe although expected to be rare or historically overlooked. Beker *et al.*, FungEur14: 321 (2016) report that 33 collections on their database originally determined as *H. populinum* were reassigned to 18 other taxa following their analysis."

psammophilum Bon

Move to 'excluded' list.

pseudofragilipes Beker, Vesterh. & U. Eberh., in Beker, Eberhardt, Vesterholt & Schütz, *Fungal Biology* 120(1): 88 (2015) [2016]

E: ! S: !

H: Occurs with a wide range of trees and shrubs in various habitats.

New record. The holotype is an English collection (2004) from Derbyshire (Chatsworth) preserved in BR with an isotype in C. Other verified collections are from widespread localities in England and Scotland. Likely to have been historically confused with *H. fragilipes* [Beker *et al.*, FungEur14: 303 (2016)].

pumilum J.E. Lange

E: !

H: English collection associated with *Quercus* sp. in old oak woodland.

Remove from synonymy of *H. birrus* and recognise as separate species. Add the above details and following **Notes**: "An English collection in K (1998) from South Hampshire (Wood Crates) has been redetermined as this (Beker *et al.* [FM 18(4): 119–132 (2017)]."

rostratum Beker, Vesterh. & U. Eberh., in Beker, Eberhardt, Vesterholt & Schütz, *Fungal Biology* 120(1): 96 (2015) [2016]

O: Isle of Man: !

H: Occurs with *Salicaceae*.

New record. Verified from the Isle of Man [Beker *et al.*, FM 18(4): 119–132 (2017)].

sacchariolens Qué.

E: ! S: ? W: ? NI: ? O: Channel Islands: !

H: Occurs with broadleaved trees, usually in parks, gardens and on pathsides, but is not known in arctic/alpine habitats.

Amend the above details and replace **Notes** with: "Quélet's illustration has been designated as lectotype supported by a sequenced English epitype from Surrey (Virginia Water) [Beker *et al.*, FungEur14: 529 (2016)]. Verified collections from Jersey (Jersey Zoo) and West Sussex (Houghton Forest)."

salicicola Beker, Vesterh. & U. Eberh., in Eberhardt, Beker & Vesterholt, *Persoonia* 35: 143 (2015)

S: ! W: !

H: Occurs with *Salicaceae*, often with *Salix repens* in calcareous dunes and dune slacks, but can also be found in arctic/alpine habitats.

New record. A Welsh collection (2001) verified from Anglesey (Newborough Warren).

sinapizans (Paulet) Gillet

E: ! S: ? W: ? NI: ? ROI: ?

H: Its northern European sites are usually on base-rich soil, usually with *Fagus* or *Quercus*, and it is likely to favour warm localities. It has also been found with *Helianthemum* on chalk downland.

Amend the above details and replace **Notes** with: "Verified English collections from Buckinghamshire (Coombe Hill), Derbyshire (Cressbrookdale and Deepdale), West Lancashire (Gait Barrows) and Westmorland (Roudsea)."

sordidum Maire

Move to synonymy of *H. subtortum* (q.v.).

subtortum P. Karst. *Bidr. Känn. Finl. Nat. Folk* 48: 466 (1889)

Hebeloma sordidum Maire

Hebeloma flammuloides Romagn.

E: !

H: Recorded with a wide range of mycorrhizal trees and shrubs, but not *Salix*, and apparently favouring southern Europe.

Move *H. flammuloides* from synonymy of *H. mesophaeum* and move *H. mesophaeum* var. *crassipes* to synonymy of *H. mesophaeum* based on morphological and molecular studies [Beker *et al.*, FungEur14: 597, 614 (2016)].

Replace **Notes** with: "Previously included as *H. sordidum* which is now reduced to synonymy. Verified single collection from Nottinghamshire (Clumber Park)".

theobrominum Quadr.

E: ! S: ? W: !? NI: ?

H: Occurs with a wide range of trees in woodland, perhaps favouring calcareous soils, but also known in grassland sites with *Helianthemum*.

Amend the above details and replace **Notes** with: "Verified English collections from Derbyshire (Coombsdale), East Sussex (St Dunstan's Farm) and Westmorland (Roudsea). Most historical collections are determined as *H. truncatum*."

vaccinum Romagn.

E: ! S: ! W: ! ROI: ? O: Channel Islands: !

H: Occurs with *Salicaceae* and in various habitats, including woodland and arctic/alpine, but very often found in dune slacks.

Amend the above details and replace **Notes** with: "Verified collections from Anglesey (Newborough dunes), Caithness (Dunnet Links and Ushat Head) and South Lancashire (Ainsdale Dunes)".

velutipes Bruchet

Hebeloma tenuifolium Romagn., *Docums Mycol.* 15(no. 59): 53 (1985)

E: ! W: ! S: !

H: Occurs with a wide range of trees and shrubs, including *Helianthemum*, in various habitats, including sand dunes and arctic/alpine.

Remove from synonymy of *H. leucosarx* and recognise as separate species. Move *H. tenuifolium* (= *H. angustifolium* Romagn. nom. illeg.) from 'excluded' list to synonymy. Add the above details and following **Notes**: "Verified collections from widespread localities in England, Scotland and Wales [Beker *et al.*, FungEur14: 391 (2016)]. One of the commonest British *Hebeloma* species."

vesterholtii Beker & U. Eberh., in Eberhardt & Beker, *Mycol. Progr.* 9(2): 218 (2010)

E: !

H: Occurs with broadleaved trees, usually with *Quercus*, and usually in calcareous soils.

New record. This species was segregated from *H. theobrominum* and has two English collections (2008 and 2004) respectively from Derbyshire (Calke Abbey) and East Sussex (St Dunstan's Farm) as paratypes.

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.

Hericum coralloides (Scop.) Pers.

Mis.: *Hericum alpestre* sensu Ing (1992)

Insert Misdet. and add *Hericum alpestre* to 'excluded' list.

HETEROGASTRIDIIUM Oberw. & R. Bauer

Move to Subphylum Pucciniomycotina.

Hirticlavula elegans J.H. Petersen & Læssøe, in Petersen et al., *Karstenia* 54: 2 (2014)

E: !

H: English collection on bark of *Fagus*.

New record. A collection (2016) at K from South Hampshire (Millyford Bridge). For further details see Petersen & Læssøe FM16(3): 93–94 (2015) and FM18(1): 35 (2017).

HODOPHILUS R. Heim, in Herink, *Sborník severočeského Muzea, Přírodní Vědy*. 1: 61 (1958)

Type: *Hodophilus foetens* (W. Phillips) Birkebak & Adamčík, in Birkebak, Adamčík, Looney & Matheny, *Mycologia* 108(5): 866 (2016)

Recent molecular and morphological studies [Birkebak et al., *Mycologia* 108(5): 860–868 (2016), Adamčík et al., *Mycological Progress* 16(1): 47–62 (2017) and Adamčík et al., *Mycological Progress* 16(8): 811–821 (2017)] have justified the recognition of *Hodophilus*, thus necessitating some moves from *Camarophylloopsis*, and the recognition of some new species (see below).

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 Wolfscote Dale) and a Welsh collection (2013) in K from Caernarvonshire (Mariandryrys).

atropunctus (Pers.) Birkebak & Adamčík, in Birkebak, Adamčík, Looney & Matheny, *Mycologia* 108(5): 867 (2016)
Name changed from *Camarophylloopsis atropuncta*. Neotypified with Welsh (Pembrokeshire) material [Adamčík et al., *Mycological Progress* 16(8): 811–821 (2017)].

camabriensis 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).

foetens (W. Phillips) Birkebak & Adamčík, in Birkebak, Adamčík, Looney & Matheny, *Mycologia* 108(5): 866 (2016)
Name changed from *Camarophylloopsis foetens*. Epitypified with Welsh (Breconshire) material [Adamčík et al., *Mycological Progress* 16(1): 47–62 (2017)].

hymenocephalus

Name changed from *Camarophylloopsis hymenocephala*.

micaceus (Berk. & Broome) Birkebak & Adamčík
Name changed from *Camarophylloopsis micacea*. 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 [*H. anatinus* (q.v.) and *H. camabriensis* (q.v.)] 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.

subfoetens Jančovičová, Adamčík & Looney, in Adamčík, Jančovičová, Looney, Adamčíková, Birkebak, Moreau, Vizzini & Matheny, *Mycological Progress* 16(1): 57 (2017)

W: !

H: Welsh collection in unimproved peaty upland pasture.

New record. The paratypes include a Welsh collection (2005) in K from Monmouthshire (Bloreng).

tenuicystidiatus Jančovičová, Adamčík & Looney, in Adamčík, Jančovičová, Looney, Adamčíková, Birkebak, Moreau, Vizzini & Matheny, *Mycological Progress* 16(1): 54 (2017)

E: ! **W:** !

H: Occurs on soil in scrub, near woodland edges or in grassland.

New record. The paratypes include English collections (2010 & 2013) from Oxfordshire (Hinksey Heights Fen) and Northamptonshire (Ring Haw), the latter in K, and a Welsh collection (2010) from Pembrokeshire (Hundleton).

variabilipes Jančovičová, Adamčík & Looney, in Adamčík, Jančovičová, Looney, Adamčíková, Griffith, Læssøe, Moreau, Vizzini & Matheny, *Mycological Progress* 16(8): 818 (2017)

E: ! **W:** !

H: Occurs on soil in scrub, near woodland edges or in grassland.

New record. The paratypes include an English collection (2012) from South-west Yorkshire (Mirfield) in K and Welsh collections 2010–2016) from Monmouthshire (Bloreng) and Pembrokeshire (Hundleton & Orielson).

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 bonii A.M. Ainsw., in Ainsworth, Suz & Dentinger, *Field Mycology* 17(3): 81 (2016)

Acanthocystis petaloides var. *macrospora* Bon, *Bull. trimest. Soc. myc. Fr.* 86(1): 163 (1970)

Hohenbuehelia petaloides var. *macrospora* (Bon) Courtec., *Doc. Mycol.* 15(nos 57–58): 30 (1985) [1984]

Mis.: *Hohenbuehelia culmicola* sensu auct. Brit. p.p.

E: ! **S:** ! **W:** ! **ROI:** !

H: On dead parts of coastal grass culms, usually of *Ammophila arenaria*, in sand dunes, often fruiting around the stem bases. Rarely reported but apparently widespread. The historical concept of *H. culmicola* sensu auct. Brit. included a distinct taxon now recognised as *H. bonii*. Basidiomes are larger than those of true *H. culmicola* (q.v.) and the two species can occur at the same site. Known from Britain, France and the Netherlands.

Hohenbuehelia culmicola Bon, *Doc. Mycol.* 10(37–38): 89 (1980) [1979]

Mis.: *Pleurotus longipes* sensu P.D. Orton (1959)

Mis.: *Pleurotus petaloides* f. *carbonarius* sensu auct. Brit.

E: ! **S:** ! **W:** ! **ROI:** !

H: On dead or dying stems of *Ammophila arenaria* (more rarely recorded on *Leymus arenarius*) in coastal dunes, often fruiting in the sand, at or around the stem bases.

D: BFF6: 42–43, FAN3: 162 **I:** C&D: 153, SV33: 45

Rarely reported but apparently widespread. Basidiomes are small, often hidden in sand and easily overlooked. Synonymy amended following the morphological and molecular studies of Ainsworth *et al.* [FM 17(3): 78–86 (2016)] which demonstrated that the historical concept of *H. culmicola* sensu auct. Brit. included a distinct taxon now recognised as *H. bonii* (q.v.).

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. fluxilis* (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*.

Hydnum ovoideisporum Olariaga, Grebenc, Salcedo & M.P. Martín 2012

W: !

H: Welsh collection fruiting in soil amongst *Helianthemum canum*.

A collection (2017) at K from Caernarvonshire (Great Orme) determined as this by matching its barcode sequence with that of the type (K. Liimatainen unpubl.).

HYGROCYBE (Fr.) P. Kumm.

A recent molecular/morphological revision of the genus [Lodge *et al.* *Fungal Diversity* 64: 1–99 (2014)] indicated that a series of smaller more homogeneous genera should be adopted. Some species have already been moved into *Gliophorus* in the online checklist, some are retained in *Hygrocybe* s.str. and the remainder are now moved into *Chromoseira* (q.v.), *Cuphophyllus* (q.v.), *Gloioxanthomyces* (q.v.), *Neohygrocybe* (q.v.) and *Porpolomopsis* (q.v.).

Hygrophoropsis rufa (D.A. Reid) Knudsen, in Knudsen & Vesterholt, *Funga Nordica*, Agaricoid, Boletoid and Cyphelloid Genera (Gylling): 913 (2008)

Hygrophoropsis aurantiaca var. *rufa* D.A. Reid

E: !

H: On coniferous litter and woody debris.

D+I: FM 13(2): 47–50 (2012), FM 17(1): 26 (2016)

Formerly recognised as a variety in the synonymy of *Hygrophoropsis aurantiaca*. Historic collections of *H. aurantiaca* should be re-examined to search for further examples of this species. Confirmed collections from Kent, Norfolk, Surrey and West Sussex but probably widespread.

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 Cuphophyllus 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).

HYMENOPELLIS R.H. Petersen, in Petersen & Hughes, *Nova Hedwigia*, Beih. 137: 80 (2010)

Type: *Hymenopellis radicata* (Relhan) R.H. Petersen

radicata (Relhan) R.H. Petersen, in Petersen & Hughes, *Nova Hedwigia*, Beih. 137: 202 (2010)

Name changed from *Xerula radicata*.

radicata var. **bispora** (Redhead, Ginns & Shoemaker) R.H. Petersen, in Petersen & Hughes, *Nova Hedwigia*, Beih. 137: 209 (2010)

Add to synonymy of species entry. A 1962 English collection (as *Xerula radicata* var. *bispora*) in DAOM from Surrey (likely to be Albury Park) reported in Petersen & Hughes [*Mycotaxon* 30: 398 (1987)], two 1991 Scottish collections from East Perthshire (Blair Atholl & Killiecrankie) reported in Petersen & Hughes [*Nova Hedwigia*, Beih. 137: 426 (2010)] and a more recent (2016) Welsh collection in K from Carmarthenshire (Upper Lliedi Reservoir). A sequence was generated from the latter (K. Liimatainen unpubl.) and found to be identical to that obtained from Swedish material of *H. radicata* var. *bispora* s. Petersen & Hughes.

xeruloides (Bon) R.H. Petersen, in Petersen & Hughes, *Nova Hedwigia*, Beih. 137: 248 (2010)

Name changed from *Xerula xeruloides*.

Hyphoderma albocremeum (Höhn. & Litsch.) J. Erikss. & Å. Strid

Name changed to *Conohypha albocrema* (q.v.).

Hyphoderma multicystidium (Hjortstam & Ryvarden) Hjortstam & Tellería, in Tellería, *Bibliotheca Mycol.* 135: 56 (1990)

E: !

H: English collection on fallen decayed wood.

New record. A collection (2016) at K from South Hampshire (Round Hill).

Hyphoderma pallidum (Bres.) Donk

Name changed to *Peniophorella pallida* (q.v.).

Hyphoderma tsugae (Burt) J. Erikss. & Å. Strid

Name changed to *Peniophorella tsugae* (q.v.).

Hyphodermella 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)].

HYPHODONTIA J. Erikss.

Molecular research has shown that *Hyphodontia* sensu lato is a heterogeneous grouping. Three British species are retained in *Hyphodontia* s.str.: *H. alutaria*, *H. arguta* and *H. pallidula* (type). The remainder are listed under *Hastodontia*, *Kneiffiella* P. Karst., *Lagarobasidium* and *Xylodon* with a few exceptions temporarily retained in *Hyphodontia* pending further work.

Hypholoma tuberosum Redhead & Kroeger, *Mycotaxon* 29: 457 (1987)

E: !

H: English collection on manured soil in vegetable allotment. **D+I:** FM 12(4): 135-136, back cover (2011)

New record. Two collections (2010, 2011) at K from South Lancashire (Liverpool).

Hysterangium inflatum Rodway, *Pap. Proc. R. Soc. Tasm.*: 108 (1918) [1917]

E: !

H: English collection in soil at base of *Eucalyptus* trunk.

D+I: FM 16(4): 123-124 (2015)

New record. A collection (2014) at K from Nottinghamshire (Lound).

INFUNDIBULICYBE Harmaja, *Ann. bot. fenn.* 40(3): 215 (2003)

Type: *Infundibulicybe geotropa* (Bull.) Harmaja

catinus (Fr.) Harmaja, *Ann. bot. fenn.* 40(3): 216 (2003)

Name changed from *Clitocybe catinus*.

costata (Kühner & Romagn.) Harmaja, *Ann. bot. fenn.* 40(3): 216 (2003)

Name changed from *Clitocybe costata*.

geotropa (Bull.) Harmaja, *Ann. bot. fenn.* 40(3): 216 (2003)

Name changed from *Clitocybe geotropa*.

gibba (Pers.) Harmaja, *Ann. bot. fenn.* 40(3): 217 (2003)

Name changed from *Clitocybe gibba*.

glareosa (Röllin & Monthoux) Harmaja, *Ann. bot. fenn.* 40(3): 217 (2003)

Name changed from *Clitocybe glareosa*.

Inocybe fuscescentipes 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 monochroa J. Favre, *Ergebn. wiss. Unters. schweiz. NatnParks* 5(33): 201 (1955)

S: !

H: Scottish collection on soil with *Dryas octopetala*.
New record. A collection (2010, 2011) at K from Argyll (Meall Mòr).

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.).

KNEIFFIELLA P. Karst. *Bidr. Känn. Finl. Nat. Folk* 48: 371 (1889)

Type: *Kneiffiella barba-jovis* (Bull.) P. Karst.

abieticola (Bourdot & Galzin) Jülich & Stalpers, *Verh. K. ned. Akad. Wet., tweede sect.* 74: 130 (1980)

Name changed from *Hyphodontia abieticola*.

alutacea (Fr.) Jülich & Stalpers

Name changed from *Hyphodontia alutacea*.

barba-jovis (Bull.) P. Karst.

Name changed from *Hyphodontia barba-jovis*.

subalutacea (P. Karst.) Jülich & Stalpers

Name changed from *Hyphodontia subalutacea*.

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).

Laetisaria lichenicola Diederich, Lawrey & D. Broeck, in Diederich, Lawrey, Sikaroodi & Gillevet, *Mycologia* 103(3): 530 (2011)

E: !

H: English collections on thalli of *Physcia* spp. on twigs subjected to elevated levels of nitrogen deposition.

D+I: <http://fungi.myspecies.info/all-fungi/laetisaria-lichenicola>
New record. Collections reported from Bedfordshire, Dorset, South Essex and Surrey.

LAGAROBASIDIUM Jülich, *Persoonia* 8(1): 84 (1974)

Type: *Lagarobasidium pruinatum* (Bres.) Jülich

detriticum (Bourdot & Galzin) Jülich

Name changed from *Hyphodontia detritica*.

LENZITES Fr.

Move to synonymy of *Trametes* (q.v.)

betulinus (L.) Fr.

Name changed to *Trametes betulina* (q.v.).

Lepista flaccida (Sowerby) Pat.

Name changed to *Paralepista flaccida* (q.v.).

Leptosporomyces fusoides (Jülich) Krieglst.

Move to synonymy of *Athelopsis fusioidea*.

Leucoagaricus gauguei Bon & Boiffard, *Bull. trimest. Soc. mycol. Fr.* 90(4): 299 (1974)

E: !

H: English collection on soil in grass.

New record. A collection (2015) at K from South Somerset (Selworthy Churchyard).

LEUCOCYBE Vizzini, P. Alvarado, G. Moreno & Consiglio, in Alvarado, Moreno, Vizzini, Consiglio, Manjón & Setti, *Mycologia* 107(1): 131 (2015)

Type: *Leucocybe candicans* (Pers.) Vizzini, P. Alvarado, G. Moreno & Consiglio

The following changes, respectively from *Clitocybe* and *Lyophyllum* are required following a four-gene phylogenetic analysis [Alvarado *et al.*, *Mycologia* 107(1): 123–136 (2015)]:

candicans (Pers.) Vizzini, P. Alvarado, G. Moreno & Consiglio, in Alvarado, Moreno, Vizzini, Consiglio, Manjón & Setti, *Mycologia* 107(1): 131 (2015)

connata (Schumach.) Vizzini, P. Alvarado, G. Moreno & Consiglio, in Alvarado, Moreno, Vizzini, Consiglio, Manjón & Setti, *Mycologia* 107(1): 131 (2015)

Leucopaxillus rhodoleucus (Sacc.) Kühner

Name changed to *Pseudoclitopilus rhodoleucus* (q.v.).

Limacella ochraceorosea (Béguet & Bon) Neville & Poumarat, *Fungi europ.* (Alessio) 9: 248 (2004)

Limacella illinita var. *ochraceorosea* Béguet & Bon, in Bon, *Docums Mycol.* 5(no. 17): 26 (1975)

E: !

H: English collection on soil with conifer debris under *Chamaecyparis lawsoniana*.

D+I: FM 16(1): 26–27 (2015)

New record. A collection (2014) at K from Surrey (Kew Gardens Pinetum).

Lycoperdon dermoxanthum Vittad.

Truncate **Notes** to "Numerous records but few collections.

Apparently widespread and often recorded as *Bovista pusilla*."

Lycoperdon pyriforme Schaeff.

Name changed to *Apioperdon pyriforme* (q.v.).

Lyophyllum caeruleum Cléménçon ex Kibby, *Field Mycology* 17(1): 22 (2016)

E: !

H: English collection on soil in grass near *Fagus* and *Fraxinus*.
New record. Recently validated name. A collection (2015) at K from South Hampshire (Deacon Hill).

Lyophyllum connatum (Schumach.) Singer

Name changed to *Leucocybe connata* (q.v.).

Lyophyllum gangraenosum (Fr.) Gulden

Name changed to *Calocybe gangraenosa* (q.v.).

Marasmiellus lateralis Bas & Noordel., *Persoonia* 15(3): 351 (1993)

E: !

H: English collection on decaying *Picea* log.

New record. A collection (2016) at K from South Hampshire (New Forest).

Marchandiomyces quercinus (J. Erikss. & Ryvarden) D.

Hawksw. & A. Henrici, *Field Mycology* 16(1): 17 (2015)

Name changed from *Corticium quercicola*.

Melanoleuca castaneofusca Contu, *Bull. trimest. Féd. Mycol. Dauphiné-Savoie* 38(no. 150): 41 (1998)

E: !

H: English collection on soil with compost.

New record. A collection (2012) at K from Surrey (Morden Cemetery). Determination confirmed by sequencing (L.M. Suz unpubl.) and matching with a corresponding sequence derived from the type (V. Antonin & M. Tomsovsky unpubl.).

Membranomyces delectabilis (H.S. Jacks.) Kotir. & Saaren., *Ann. Bot. Fenn.* 30(3): 227 (1993)

Name changed from *Clavulicium delectabile* based on DNA sequence analysis. Replace **H:** with: English collections on soil and fern stems in coniferous plantation and on decayed wood in *Salix* carr. Replace first sentence of **Notes** with: Two recent collections at K from South Devon (Kingsteignton) 2001 and South Hampshire (Emer Bog) 2011.

MUCIDULA Pat., *Hyménomyc. Eur.* (Paris): 95 (1887)

Type: *Mucidula mucida* (Schrad.) Pat.

mucida (Schrad.) Pat. *Hyménomyc. Eur.* (Paris): 96 (1887)
Name changed from *Oudemansiella mucida*.

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.

MUSCINUPTA Redhead, Lücking & Lawrey, *Mycol. Res.* 113(10): 1167 (2009)

Type: *Muscinupta laevis* (Fr.) Redhead, Lücking & Lawrey

laevis (Fr.) Redhead, Lücking & Lawrey, *Mycol. Res.* 113(10): 1167 (2009)

Name changed from *Cyphelostereum laeve*.

Mycena adonis var. coccinea (Sowerby) Kühner
Move to synonymy of *Mycena coccinea* (q.v.).

Mycena cecidiophila A.P. Berg, Berg-Block, Noordel. & Uljé
Move to synonymy of *M. rhenana* based on studies reported in Henrici *et al.* [FM17(4): 111–113 (2016)].

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 coccinea (Sowerby) Quéf.

Remove from synonymy of *Mycena adonis* var. *coccinea* to replace it as head of the entry for this taxon with *Mycena adonis* var. *coccinea* reduced to synonymy.

Mycena juniperina Aronsen, *Persoonia* 16(2): 257 (1996)

E: !

H: On bark of living *Juniperus* trunks.

New record. A collection (2015) at K from South Wiltshire (Porton Down).

Mycena luteovariegata Bugge Harder & Læssøe, in Harder, Læssøe, Frøslev, Rosendahl, Ekelund & Kjøller, *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.).

Mycena rhenana Maas Geest. & Winterhoff

Mycena cecidiophila Huijsman

E: ! **W:** !

H: Occurs on various woody fruits but most frequently seen on fallen fruits (cones) of *Alnus* and on fallen acorns bearing knopper galls.

Move *M. cecidiophila* to synonymy. Amend the above details and replace **Notes** with: "*M. cecidiophila* is placed in synonymy based on studies reported in Henrici *et al.* [FM17(4): 111–113 (2016)]".

Mycena riparia Maas Geest., *Proc. K. Ned. Akad. Wet., Ser. C, Biol. Med. Sci.* 89(2): 175 (1986)

E: !

H: English collections on decaying sedge (*Carex*) stem.

New record. Two collections (2016) at K from North Hampshire (Leckford Estate) reported in Henrici [FM18(1): 30 (2017)].

Mycena rorida (Fr.) Quéf.

Name changed to *Roridomyces roridus* (q.v.).

Mycena scirpicola M. Villarreal, Heykoop, Esteve-Rav. & Maas Geest., *Persoonia* 16(4): 531 (1998)

E: !

H: English collection on heathland turf.

New record. A collection (2016) at K from South Hampshire (Little Honey Hill) reported in Henrici [FM18(1): 30 (2017)].

Mycena silvae-pristinae M.T. Veerkamp & Kuyper, *Z. Mykol.* 63(2): 164 (1997)

E: !

H: English collections on dead wood of *Quercus*.

New record. Three collections (2016) at K from South Hampshire (Gritnam Wood and Little Honey Hill) reported in Henrici [FM18(1): 30 (2017)].

Mycena tenuispinosa J. Favre, *Bulletin de la Societe Neuchateloise des Sciences Naturelles* 80: 96 (1957)

E: !

H: English collection on fallen leaf of *Salix*.

New record. A collection (2016) at K from North Hampshire (Leckford Estate) reported with photograph in Henrici [FM18(1): 30 (2017)].

MYCOACIA Donk, *Meded. Ned. Mycol. Ver.* 18-20: 150 (1931)

Mycoaciella J. Erikss. & Ryvarde, in Eriksson *et al.*, *Corticaceae of North Europe* (Oslo) 5: 901 (1978)

Include *Mycoaciella* in synonymy.

bispora (Stalpers) Spirin & Zmitr., *Nov. sist. Niz. Rast.* 37: 183 (2004)

Mis.: *Acia denticulata* sensu Rea (1922)

Mis.: *Mycoacia denticulata* sensu Bramley (1985)

Mis.: *Mycoacia squalina* sensu Clark (1980)

Name changed from *Mycoaciella bispora*. Replace list of misapplied names with the above list.

MYCOACIELLA J. Erikss. & Ryvarde, in Eriksson *et al.*, *Corticaceae of North Europe* (Oslo) 5: 901 (1978)

Move to synonymy of *Mycoacia*.

bispora (Stalpers) J. Erikss. & Ryvarde

Name changed to *Mycoacia bispora* (q.v.).

NEOHYGCYBE Herink, *Sb. severočesk. Mus., Prír. Vedy* 1: 70 (1958)

Type: *Neohygcybe ovina* (Bull.) Herink

The following name changes from *Hygcybe* are required:

ingrata (J.P. Jensen & F.H. Møller) Herink, *Sb. severoček. Mus.*, Hist. Nat. 1: 74 (1958)
Name changed from *Hygrocybe ingrata*.

nitrata (Pers.) Kovalenko, *Opređeliteľ' Gribov SSSR* (Leningrad): 40 (1989)
Name changed from *Hygrocybe nitrata*.

ovina (Bull.) Herink, *Sb. severoček. Mus.*, Hist. Nat. 1: 72 (1958)
Name changed from *Hygrocybe ovina*.

OBBA Miettinen & Rajchenb., *Mycol. Progr.* 11(1): 141 (2012)
Type: *Obba valdiviana* (Rajchenb.) Miettinen & Rajchenb.

rivulosa (Berk. & M.A. Curtis) Miettinen & Rajchenb., *Mycol. Progr.* 11(1): 142 (2012)
Name changed from *Physisporinus rivulosus*.

ODORIA V. Papp & Dima, *Mycol. Progress* 17: 323 (2018)
Type: *Odoria alborubescens* (Bourdote & Galzin) V. Papp & Dima

alborubescens (Bourdote & Galzin) V. Papp & Dima, *Mycol. Progress* 17: 323 (2018)
Name changed from *Aurantiporus alborubescens* following molecular studies showing that this species is not closely related to the type of *Aurantiporus* (*A. pilotae*, = *A. croceus*) [Papp & Dima, *Mycol. Progress* 17: 319–332. (2018)].

Oudemansiella mucida (Schröd.) Höhn.
Name changed to *Mucidula mucida* (q.v.).

Oxyporus latemarginatus (Durieu & Mont.) Donk
Name changed to *Emmia latemarginata* (q.v.).

PARALEPISTA Raitheh., *Metrodiana* 22(2): 17 (1981)
Type: *Paralepista inversa* (Scop.) Raitheh.

flaccida (Sowerby) Vizzini, in Vizzini & Ercole, *Mycotaxon* 120: 262 (2012)
Name changed from *Lepista flaccida*.

PARAXERULA R.H. Petersen, in Petersen & Hughes, *Nova Hedwigia*, Beih. 137: 299 (2010)
Type: *Paraxerula americana* (Dörfelt) R.H. Petersen

causei (Maire) R.H. Petersen, in Petersen & Hughes, *Nova Hedwigia*, Beih. 137: 303 (2010)
Name changed from *Xerula causei*.

Peniophorella pallida (Bres.) K.H. Larss., *Mycol. Res.* 111(2): 192 (2007)
Name changed from *Hyphoderma pallidum*.

Peniophorella tsugae (Burt) K.H. Larss., *Mycol. Res.* 111(2): 192 (2007)
Name changed from *Hyphoderma tsugae*.

Phanerochaete radicata (Henn.) Nakasone, C.R. Bergman & Burds.
Name changed to *Rhizochaete radicata* (q.v.).

PELLINOPSIS Y.C. Dai, *Fungal Diversity* 45: 309 (2010)
Type: *Phellinopsis conchata* (Pers.) Y.C. Dai

conchata (Pers.) Y.C. Dai, *Fungal Diversity* 45: 309 (2010)
Name changed from *Phellinus conchatus*.

Phellinus conchatus (Pers.) Quéf.
Name changed to *Phellinopsis conchata* (q.v.).

Phlebia caspica Hallenb., *Mycotaxon* 11(2): 460 (1980)

E: !

H: English collection on decayed hardwood in ditch.
New record. A collection (2017) at K from Surrey (Ham Lands).

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*.

Phlebiella paludicola Hjortstam & P. Roberts
Name changed to *Aphanobasidium paludicola* (q.v.).

Phlebiella sulphurea (Pers.) Ginns & Lefebvre
Move to synonymy of *Phlebiella vaga* (q.v.).

Phlebiella vaga (Fr.) P. Karst
Remove from synonymy of *Phlebiella sulphurea* and move to the head of the entry with *Phlebia vaga* Fr. as basionym.

Physisporinus rivulosus (Berk. & M.A. Curtis) Ryvarden
Name changed to *Obba rivulosa* (q.v.).

Physodontia lundellii Ryvarden & H. Solheim, *Mycotaxon* 6(2): 376 (1977)

S: !

H: On decaying logs of *Picea* sp. in plantations.
New record. Collections (2015, 2016) at K from Argyll (Sutherland's Grove and Dallachulish).

PIPTOPORUS P. Karst.

Move to synonymy of *Fomitopsis* (q.v.) with segregation of *P. quercinus* in *Buglossoporus* following molecular studies of Han *et al.* [*Fungal Diversity*: 10.1007/s13225-016-0364-y (2016)]

betulinus (Bull.) P. Karst.
Name changed to *Fomitopsis betulina* (q.v.).

quercinus (Schröd.) P. Karst.
Name changed to *Buglossoporus quercinus* (q.v.).

Pisolithus arhizus (Scop.) Rauschert
Move *Lycoperdon capsuliferum* from synonymy to that of *P. capsulifer* (q.v.). Note that the status of *P. arhizus* and *P. tinctorius* (synonymised in current CBIB) in Britain and Ireland is currently uncertain pending molecular investigation.

Pisolithus capsulifer (Sowerby) Watling, Phosri & M.P. Martín, *Mycotaxon* 120: 202 (2012)
Lycoperdon capsuliferum Sowerby, *Col. fig. Engl. Fung. Mushr.* (London) Suppl: tab. 425 a/b (1814)

E: !

H: English collections from pine plantations (where known). This species is now recognised as distinct from *P. arhizus* and *P. tinctorius* based on molecular data [Phosri *et al.*, *Mycotaxon* 120: 195–208 (2012)]. These authors selected Sowerby's plate showing material from Middlesex (Highgate Hill) as lectotype with a supporting epitype comprising a redetermined 1993 collection in E from Berkshire (nr. Sandhurst). Other specimens in E were similarly redetermined based on molecular data, from Berkshire (Caesar's Camp), or morphological examination, from South Hampshire (Ringwood). Move *Lycoperdon capsuliferum* from synonymy of *P. arhizus* and amend publication volume and year.

Pluteus roseipes Höhn., *Sber. Akad. Wiss. Wien, Math.-naturw. Kl., Abt. 1* 111: 1010 (1902)

E: !

H: English collection on soil in grass near *Chamaecyparis lawsoniana*.
New record. A collection (2017) at K from West Gloucestershire (Westonbirt Arboretum).

Polyporus badius (Pers.) Schwein.
Name changed from *Polyporus durus* (Timm) Kreisel which is illegitimate. Delete final sentence of **Notes**.

Polyporus durus (Timm) Kreisel
This is an illegitimate name and so this species reverts to the familiar name *Polyporus badius* applying the earliest available epithet (q.v.).

PORPOLOMOPSIS Bresinsky, *Regensb. Mykol. Schr.* 15: 145 (2008)

Type: *Porpolomopsis calyptriformis* (Berk.) Bresinsky

calyptriformis (Berk.) Bresinsky, *Regensb. Mykol. Schr.* 15: 145 (2008)

Name changed from *Hygrocybe calyptriformis*.

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.).

PSEUDOCLITOPILUS Vizzini & Contu, *Mycosphere* 3(1): 86 (2012)

Type: *Pseudoclitopilus rhodoleucus* (Sacc.) Vizzini & Contu

rhodoleucus (Sacc.) Vizzini & Contu, *Mycosphere* 3(1): 86 (2012)

Name changed from *Leucopaxillus rhodoleucus*.

PSEUDOCRATERELLUS Pers.

Move to synonymy of *Craterellus* following Olariaga [*The order Cantharellales in the Iberian Peninsula and the Balearic Islands* PhD Thesis. (2009)].

undulatus (Pers.) Rauschert

Name changed to *Craterellus sinuosus* (q.v.).

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

E: !

H: Detected within mycorrhizal roots in soil of mixed woodland. Documented as British in Svantesson et al. [*MycoKeys* 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, *MycoKeys* 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. [*MycoKeys* 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. [*MycoKeys* 50: 1–77 (2019)] based on matching collections made by U. Kõljalg in 2005 from Easterness (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.

Psilocybe liniformans Guzmán & Bas, *Persoonia* 9(2): 233 (1977)

E: !

H: English collection on pony dung in grassland.
New record. A collection (2015) at K from North Devon (Kipscombe Hill).

Psilocybe medullosa (Bres.) Borovička, *C.C.H.* 84(4): 114 (2007)

Naucoria medullosa Bres., *Fung. trident.* 2(11–13): 53 (1898)

E: !

H: In sandy soil with needle litter under *Pinus* sp.
New record. A collection (2014) at K from Nottinghamshire (Clipstone Forest).

Ramariopsis luteonana (Schild) Olariaga, in Olariaga & Salcedo *Mycotaxon* 121: 39 (2013) [2012]

Name changed from *Clavulinopsis luteonana*. Fide Olariaga [*The order Cantharellales in the Iberian Peninsula and the Balearic Islands* PhD Thesis (2009)], *Clavulinopsis luteonana* var. *tenuipes* is not valid because the holotype comprises “two gatherings”.

Ramariopsis luteo-ochracea (Cavara) R.H. Petersen, *Mycologia* 58(2): 205 (1966)

Name changed from *Clavulinopsis luteo-ochracea*.

Ramariopsis robusta Matouš & Holec, in Matouš, Holec & Koukol, *Czech Mycol.* 69(1): 54 (2017)

W: !

H: Welsh collection on soil.

New record. A recently described species resembling a robust *R. kunzei* based on a morphological and molecular study which included GenBank sequence EF535269 derived from a Welsh collection (previously identified as *R. tenuiramosa*).

Rectipilus afibulatus Lucas & Dentinger, *Kew Bull.* 70(no. 58): [3] (2015)

E: !

H: On dead wood. English collections on damp sawn log of *Salix* sp.

New record. New species described from two collections (2009, 2012) from a single site in South Hampshire (Linwood Reserve).

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 "*kavini*" (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.

RHIZOCHAETE Gresl., Nakasone & Rajchenb., *Mycologia* 96(2): 261 (2004)

Type: *Rhizochaete brunnea* Gresl., Nakasone & Rajchenb.

radicata (Henn.) Gresl., Nakasone & Rajchenb., *Mycologia* 96(2): 268 (2004)

Name changed from *Phanerochaete radicata*.

RHIZOCYBE Vizzini, G. Moreno, P. Alvarado & Consiglio, in Alvarado, Moreno, Vizzini, Consiglio, Manjón & Setti, *Mycologia* 107(1): 132 (2015)

Type: *Rhizocybe vermicularis* (Fr.) Vizzini, G. Moreno, P. Alvarado & Consiglio

pruinosa (P. Kumm.) Vizzini, G. Moreno, P. Alvarado & Consiglio, in Alvarado, Moreno, Vizzini, Consiglio, Manjón & Setti, *Mycologia* 107(1): 132 (2015)

Name changed from *Clitocybe pruinosa*.

vermicularis (Fr.) Vizzini, G. Moreno, P. Alvarado & Consiglio, in Alvarado, Moreno, Vizzini, Consiglio, Manjón & Setti, *Mycologia* 107(1): 132 (2015)

Name changed from *Clitocybe vermicularis*.

RORIDOMYCES Rexer, *Die Gattung Mycena s.l., Studien zu Ihrer Anatomie, Morphologie und Systematik* (Tübingen): 132 (1994)

Type: *Roridomyces roridus* (Fr.) Rexer

roridus (Fr.) Rexer *Die Gattung Mycena s.l., Studien zu Ihrer Anatomie, Morphologie und Systematik* (Tübingen): 132 (1994)

Name changed from *Mycena rorida*.

Russula aurora Krombh.

Krombholtz's original concept is likely to include more than one species [Kibby, *Field Mycology* 16(4): 132–134 (2015)].

Move to synonymy of *Russula velutipes* (q.v.) as a misapplication sensu auct. mult.

Russula grisescens (Bon & Gaugué) Marti, *Docums Mycol.* 14(no. 53): 57 (1984)

E: !

H: English collection on mossy (*Polytrichum*) soil near *Betula*. New record. A collection (2016) at K from Surrey (Lower Puttenham Common) confirmed by G.G. Kibby. Further details in Overall [FM18(2): 68–69 (2017)].

Russula lepida Fr.

Remove from synonymy of *Russula rosea* to replace it as head of the entry for this taxon with "Mis.: *R. rosea* sensu auct. mult." reduced to synonymy [Kibby, *Field Mycology* 16(4): 132–134 (2015)].

Russula rosea Pers. [non *R. rosea* Quél. (1888)]

Move to synonymy of *Russula lepida* (q.v.).

Russula roseicolor J. Blum, *Bull. trimest. Soc. mycol. Fr.* 68(2): 246 (1952)

E: !

H: English collection on soil near *Quercus*.

New record. A collection (2017) at K from East Kent (Hamstreet Woods).

Russula sublevispora (Romagn.) Kühner & Romagn., in Romagnesi, *Russules d'Europe Afr. Nord*, Essai sur la Valeur Taxinomique et Spécifique des Caractères des Spores et des Revêtements: 299 (1967)

E: !

H: English collection on soil near *Quercus*.

New record. A collection (2016) at K from Oxfordshire (Checkendon) confirmed by F. Hampe. Further details in Tortelli [FM19(2): 44–46 (2018)].

Russula tinctipes J. Blum ex Bon, *Cryptog. Mycol.* 7(4): 308 (1986)

E: !

H: English collection on soil near *Quercus*.

New record. A collection (2017) at K from East Kent (Dering Wood) confirmed by W. Jurkeit. Further details in Tortelli & Pitt [FM19(1): 29–30 (2018)].

Russula velutipes Velen., *České Houby* 1: 133 (1920)

Remove from synonymy of *Russula aurora* to replace it as head of the entry for this taxon with "Mis.: *R. aurora* sensu auct. mult." reduced to synonymy [Kibby, *Field Mycology* 16(4): 132–134 (2015)]. Remove references to *Russula lepida* from **D+I** and **I** and delete final sentence of **Notes**.

Sarcodon glaucopus Maas Geest. & Nannf.

Move to 'excluded' list. British material now filed under *S. scabrosus* (q.v.).

Sarcodon ioeides (Pass.) Bataille

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

Sarcodon scabrosus (Fr.) P. Karst., *Rev. Mycol. (Toulouse)* 3(9): 20 (1881)

Hydnum scabrosum Fr., *Sverig Atl. Svamp.*: 62 (1836)
Mis.: *Sarcodon glaucopus* sensu BritChant.

E: ? **S:** o

H: With *Pinus sylvestris* in Scottish pinewoods.

D+I: BritChant: 100–101 (as *S. glaucopus*), *Svensk Mykologisk Tidskrift* 33(3): 2–49 (2012)

Restricted to pinewoods in Scotland and probably not an English species. However, many existing collections and unvouchered records are from southern England and associated with *Fagaceae*. These require further taxonomic study before they can be redetermined.

Replace existing entry with the above.

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

Sarcodontia crocea (Schwein.) Kotl.

Remove *Mycoacia squalina* sensu Christiansen [Danish Resupinate Fungi: 2 (1960)] from synonymy to 'excluded' list. Christiansen's specimens described and figured therein are not referable to *S. crocea*.

Scleroderma meridionale Demoulin & Malençon, *Bull. trimest. Soc. mycol. Fr.* 86(3): 704 (1971) [1970]

E: !

H: English collection on sandy soil under *Pinus pinaster*.
New record. A collection at K (2015) from South Somerset
(Dunster Beach).

Setchelliogaster rheophyllus (Bertault & Malençon) G.
Moreno & Kreisel
Name changed to *Descolea tenuipes* (q.v.) based on molecular
studies [Kuhar *et al.*, *Fungal Biology* 121: 876–889 (2017)].
Setchelliogaster becomes a synonym of *Descolea* (q.v.).

Seticyphella tenuispora Agerer
Move to 'excluded' list (q.v.).

SIDERA Miettinen & K.H. Larss., *Mycol. Progress*
10: 136 (2011)
Type: *Sidera lenis* (P. Karst.) Miettinen

vulgaris (Fr.) Miettinen, in Miettinen & Larsson, *Mycol.*
Progress 10: 136 (2011)
Name changed from *Skeletocutis vulgaris* based on sequencing
evidence in Miettinen & Larsson [*Mycol. Progress* 10: 131–141
(2011)]. Replace **D:** and **D+I:** sections with **D:** EurPoly2:
626–627 (as *Skeletocutis lenis*), NM3: 209 (as *Diplomitoporus*
lenis) **D+I:** FungEur10: 516–517 765 (as *Skeletocutis*
vulgaris)

SINGEROCYBE Harmaja, *Karstenia* 27(2): 71
(1988) [1987]
Type: *Singerocybe viscida* Harmaja

phaeophthalma (Pers.) Harmaja, *Karstenia* 27(2): 72 (1988)
[1987]
Name changed from *Clitocybe phaeophthalma*.

Sistotrema porulosum Hallenb., *Mycotaxon* 21: 407 (1984)
E: !
H: English collection on decaying hardwood.
New record. A collection (2016) at K from South Hampshire
(Spearywell Wood).

Skeletocutis vulgaris (Fr.) Niemelä & Y.C. Dai
Name changed to *Sidera vulgaris* (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.

Subulicystidium perlongisporum Boidin & Gilles, *Bull.*
trimest. Soc. mycol. Fr. 104(3): 197 (1988)

W: !
H: Welsh collection on underside of fallen leaves of *Olearia* sp.
New record. A collection (2015) at K from Anglesey (Plâs
Cadnant).

Tomentella galzinii Bourdot, in Bourdot & Galzin, *Bull.*
trimest. Soc. mycol. Fr. 40(2): 143 (1924)

W: !
H: Welsh collection on dead wood.
A collection (2017) at K from Anglesey (Coed Mor).

Tomentella lapidum (Pers.) Stalpers
Remove *Rhinotrichum ramosossum* from synonymy.

TRAMETES Fr.
Lenzites Fr.
Add to synonymy.

betulina (L.) Pilát, *Atlas Champ. l'Europe*, III, Polyporaceae
(Praha) 1: 262 (1939)
Name changed from *Lenzites betulinus*.

gallica (Fr.) Ryvarden
Name changed from *Corioloopsis gallica*.

trogii Berk.

E: !
H: English collection on dead wood of *Populus*.
Move from 'excluded' list. A collection (2017) at K from
Middlesex (Ashford) determined as this and confirmed by
sequencing (K. Liimatainen unpubl.). Further details in Overall
[FM19(2): 50–51 (2018)].

Trametopsis cervina (Schwein.) Tomšovský, *Czech Mycol.*
60(1): 7 (2008)
Antrodia pseudosinuosa A. Henrici & Ryvarden

E: !
H: On decayed wood of broadleaved trees including *Aesculus*,
Betula, *Fagus* (most records) and *Ulmus*.
Include *Antrodia pseudosinuosa* in synonymy based on
molecular analysis of a holotype-derived sequence [Henrici *et*
al., FM19(4): 116–118 (2018)]. A few records known from
southern England. All records made before 2018 were
originally assigned to *A. pseudosinuosa*.

TRECHINOTHUS E.C. Martini & Trichiès,
Mycotaxon 90(2): 262 (2004)
Type: *Trechinothus smardae* (Pilát) E.C. Martini & Trichiès

smardae (Pilát) E.C. Martini & Trichiès, *Mycotaxon* 90(2): 262
(2004)

E: !
H: English collection on fallen wood of *Fraxinus*.
New record. A collection (2017) at K from South Hampshire
(Crab Wood). Further details in Lucas & Rogerson [FM19(2):
47–49 (2018)].

TRECHISPORA P. Karst.
Fibriciellum J. Erikss. & Ryvarden
Add to synonymy.

silvae-ryae (J. Erikss. & Ryvarden) K.H. Larss. ex Bernicchia &
Gorjón, *Fungi europ.* (Alassio) 12: 679 (2010)
Name changed from *Fibriciellum silvae-ryae* due to the recent,
if inadvertent, validation of the combination in *Trechispora*.

Tremella candelariellae Diederich & Etayo, in Diederich,
Biblthca Lichenol. 61: 52 (1996)

E: !
H: On *Candelariella vitellina*.
A collection (2010) at E from East Norfolk.

Tremella parmeliarum Diederich, *Biblthca Lichenol.* 61: 125
(1996)

ROI: !
H: On lichen thallus.
A collection (2014) at E from West Cork (Glengarriff).

Tremella rhizocarpicola Diederich, Millanes & Wedin, in
Millanes, Diederich, Westberg, Knutsson & Wedin, *MycoKeys*
8: 32 (2014)

S: !
H: Occurs in the hymenium of *Rhizocarpon lavatum*, usually
with little external sign, but sometimes causing blackish
swellings on the surface of the apothecia. Scottish collection
on north-facing crags.
New record. A collection (2016) in E from Main Argyll (Meall
Dearg) confirmed by P. Diederich.

Tricholoma bufonium (Pers.) Gillet
Move to synonymy of *T. sulphureum* following Comandini *et al.*
[*Mycol. Res.* 108 (10): 1162–1171 (2004)] and Heilmann-
Clausen *et al.* [*Persoonia* 38: 38–57 (2017)].

Tulostoma fimbriatum Fr.

E: !

H: English collection in coastal dunes.

Move from 'excluded' list and replace **Notes** with: This species was excluded in 2016 as the 2011 collection from Cardiganshire (Ynyslas) documented in Hobart [FM13(3): 81–83 (2012)] was redetermined as *T. brumale* based on DNA barcode analysis (L.M. Suz unpubl.). Now there is a verified English collection (2017) at K from West Sussex (Climping Dunes West Beach) whose barcode sequence (K. Liimatainen unpubl.) matches that of the epitype sequenced in Jeppson *et al.* [*Myckeys* 21: 33–88 (2017)].

Tulostoma simulans Lloyd, *The Tylostomae*: 18 (1906)

E: !

H: English collection in short, mossy turf on a sand bar. An English collection (2003) at K from North Essex (Colne Point), previously identified as the closely related *T. brumale*, was redetermined as this based on a comparison of its ITS sequence (GenBank EU784434) in a Europe-wide, three-gene phylogenetic analysis [Jeppson *et al.*, *Myckeys* 21: 33–88 (2017)]. It is widely distributed in Europe and historical collections currently identified as *T. brumale* require further morphological and molecular analysis to reveal the true distribution of *T. simulans* in Britain and Ireland.

Xerula caussaei Maire

Name changed to *Paraxerula caussaei* (q.v.).

Xerula radicata (Relhan) Dörfelt

Name changed to *Hymenopellis radicata* (q.v.).

Xerula xeruloides (Bon) Dörfelt

Name changed to *Hymenopellis xeruloides* (q.v.).

XYLODON (Pers.) Gray, *Nat. Arr. Brit. Pl.* (London) 1: 649 (1821)

Type: *Odontia quercina* Pers.

asperus (Fr.) Hjortstam & Ryvarde, *Syn. Fung.* (Oslo) 26: 34 (2009)

Name changed from *Hyphodontia aspera*.

brevisetus (P. Karst.) Hjortstam & Ryvarde, *Syn. Fung.* (Oslo) 26: 35 (2009)

Name changed from *Hyphodontia breviseta*.

crustosus (Pers.) Chevall., *Fl. gén. env. Paris* (Paris) 1: 272 (1826)

Name changed from *Hyphodontia crustosa*.

nespori (Bres.) Hjortstam & Ryvarde, *Syn. Fung.* (Oslo) 26: 38 (2009)

Name changed from *Hyphodontia nespori*.

pruni (Lasch) Hjortstam & Ryvarde, *Syn. Fung.* (Oslo) 23: 100 (2007)

Name changed from *Hyphodontia pruni*.

quercinus (Pers.) Gray

Name changed from *Hyphodontia quercina*.

rimosissimus (Peck) Hjortstam & Ryvarde, *Syn. Fung.* (Oslo) 26: 39 (2009)

Name changed from *Hyphodontia rimosissima*.

sambuci (Pers.) Tura, Zmitr., Wasser & Spirin, *Biodiversity of the Heterobasidiomycetes and non-gilled Hymenomycetes (former Aphyllophorales) of Israel*: 221 (2011)

Name changed from *Hyphodontia sambuci*.

BASIDIOMYCOTA, PUCCINIOMYCOTINA

HETEROGASTRIDIIUM Oberw. & R. Bauer
Move from Subphylum Agaricomycotina.

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

Anthracoidea heterospora (B. Lindeb.) Kukkonen
S: !

H: In the ovaries of *Carex recta*.

Move from 'excluded' list. Add the above details and replace **Notes** with: "A Scottish collection at E from Easternness, (Beaully) as pointed out by Taylor & Smith FM18(1): 10, one of the few known British sites for the host."

Anthracoidea hostianae B. Lindeb. ex Nannf., *Symb. bot. upsal.* 22(no. 3): 21 (1979)

S: !

H: In ovaries of *Carex hostiana*.

New record. A collection (2015) at K from Banffshire (Tomintoul).

Anthracoidea turfosa (Syd.) Kukkonen, *Suomal. elain-ja kasvit. Secur. van. kasvit. Julk.* 34(3): 24 (1963)

S: !

H: In the ovaries of *Carex dioica*.

Collections at E from South Aberdeenshire (Morrone) *vide* Taylor & Smith [FM18(1): 10 (2017)].

Anthracoidea vankyi Nannf., *Bot. Notiser* 130(4): 372 (1977)

S: !

H: In the ovaries of *Carex muricata* ssp. *pairaei*.

A collection at E from Midlothian (Edinburgh) *vide* Taylor & Smith [FM18(1): 10 (2017)].

ENTORRHIZA C.A. Weber

Move to Phylum Entorrhizomycota.

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>.

ENTORRHIZOMYCOTA

ENTORRHIZA C.A. Weber

Move from Subphylum Ustilaginomycotina.

caricicola Ferd. & Winge, *Dansk bot. Ark.* 2(no. 1): 10 (1915)

W: !

H: Welsh collections in mires on roots of *Carex limosa*.

New record. Collections (2017) from Cardiganshire (Banc Ty-llwyd, Cors Caron). Further details in Chater & Smith [FM19(2): 55–60 (2018)].

raunkiaeriana Ferd. & Winge, *Dansk bot. Ark.* 2(no. 1): 8 (1915)

W: !

H: Welsh collections in mires and mud-bottomed pools on roots of *Eleogiton* (= *Scirpus*) *fluitans*. The root galls were noted floating to the surface as the club-rush roots were disturbed.

New record. Collections (2017) from Breconshire (Llanddewi'r Cwm), Cardiganshire (Aberleri Fields, Llantrisant Reservoir), Carmarthenshire (Mynydd Llanybydder), Merionethshire (Llynnau Cregennen), Montgomeryshire (Llyn Ebyr) and Radnorshire (Llowes, Monk's Pool, Rhosgoch Common). Further details in Chater & Smith [FM19(2): 55–60 (2018)].

ADDITIONS & AMENDMENTS TO LIST OF ALIEN TAXA

BASIDIOMYCOTA, AGARICOMYCOTINA

Cystolepiota fumosifolia (Murrill) Vellinga
Move to 'non-alien' list (q.v.).

Fomitopsis rosea (Alb. & Schwein.) P. Karst.
Name changed to *Rhodofomes roseus*.

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).

Rhodofomes roseus (Alb. & Schwein.) Vlasák, *Česká Mykol.* 44(4): 235 (1990)

Name changed from *Fomitopsis rosea*.

ADDITIONS & AMENDMENTS TO LIST OF EXCLUDED TAXA

BASIDIOMYCOTA, AGARICOMYCOTINA

albocyaneus Fr., Cortinarius
Move to 'included' list.

aleuriosmus Maire, Cortinarius
Move from 'included' list where *C. caroviolaceus* (which is British) was incorrectly listed as a synonym [Kibby & Tortelli, FM18(1): 18 (2017)].

alienata (S. Lundell) J. Erikss., Hyphodontia
Name changed to *Kneiffiella alienata*.

alpestre Pers., *Hericium*, *Mycol. eur.* (Erlanga) 2: 151 (1825)
Not authentically British. Sensus Ing's (1992) Provisional Red Data List is possibly misdetermined. *Hericium coralloides*.

alpinum (J. Favre) Bruchet, Hebeloma
Move from 'included' list following redetermination of the British voucher collection from West Kent (Bedgebury Pinetum) as *H. geminatum* which was supporting its CBIB inclusion, [Beker *et al.*, FM 18(4): 119–132 (2017)]. These authors regard *H. alpinum* as a strictly arctic/alpine species normally growing with *Bistorta*, *Dryas* and *Salix* whose range might possibly extend to the mountains of Scotland. Amend second sentence of **Notes**: "Reported from Scotland but material in E is annotated as 'cf. *H. alpinum*.'"

ammophilum Bohus, Hebeloma
Move from 'included' list following redetermination of two collections in K from South Lancashire (Ainsdale Dunes) and one from North Northumberland (Holy Island) as *H. vaccinum* which were supporting its CBIB inclusion [Beker *et al.*, FM 18(4): 119–132 (2017)]. These authors regard *H. ammophilum* as an associate of *Populus* or *Salix* growing in sandy soil.

angustifolium Romagn., Hebeloma
This name is illegitimate and replaced by *H. tenuifolium*. Move *H. tenuifolium* to 'included' list as a synonym of *H. velutipes* based on morphological and ITS sequence analyses [Beker *et al.*, FungEur14: 571 (2016)]. Four collections (1987 and 1988) from West Lancashire (Gait Barrows) originally identified as *H. angustifolium* Romagn. have been reassigned to *H. velutipes*.

anthracophilum Maire, Hebeloma
Move to 'included' list.

arenosum Burds., Macfall & M.A. Albers, Hebeloma

Move from 'included' list following redetermination of a collection in E from Orkney (Birsay) as *H. helodes* which was supporting its CBIB inclusion [Beker *et al.*, FM 18(4): 119–132 (2017)]. These authors regard *H. arenosum* as a North American species.

baculifera (Bourdot & Galzin) Jülich, *Athelopsis*
Move from 'included' list. The British collection has now been redetermined as *Athelopsis fusoides*.

bresadolana Singer, *Clitocybe*
Name changed to *Infundibulicybe bresadolana* (Singer) Harmaja, *Ann. bot. fenn.* 40(3): 216 (2003). Amend notes: Recorded from Northern Ireland in 1999 (apparently associated with *Cupressus macrocarpa*) but unsubstantiated with voucher material and probably misidentified *Paralepista flaccida*.

bruchetii Bon
Move to 'included' list as a synonym of *H. mesophaeum* based on holotype studies [Beker *et al.*, FungEur14: 635 (2016)].

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.).

calolepis (Fr.) P. Karst., *Crepidotus*
Move to 'included' list.

calyptosporum Bruchet, Hebeloma
Move to 'included' list as a synonym of *H. birrus* (q.v.).

cavipes Huijsman, Hebeloma
Remove *H. lutense* from synonymy and move both to 'included' list as separate species.

circinans (Qué.) Sacc., Hebeloma
Move from 'included' list following redetermination of voucher collections in K from East Kent (Queensdown Warren) as *H. laterinum*, from South Wiltshire (Swallowcliffe) as *H. hiemale* and from West Norfolk (Holkham Dunes) as *H. crustuliniforme* s.str. which were supporting its CBIB inclusion [Beker *et al.*, FM 18(4): 119–132 (2017)]. These authors regard *H. circinans* as "a subalpine/subarctic species usually recorded in Scandinavia and France on calcareous ground".

claviceps (Fr.) Qué., Hebeloma
Amend the recombining author's name as above.

clavulipes Romagn., Hebeloma

Move to 'included' list.

collariatum Bruchet, Hebeloma

Move to 'included' list as a synonym of *H. dunense* (q.v.).

Delete **Notes** and **D+I**.

colossus Huijsman, Hebeloma

Move to 'included' list as a synonym of *H. bulbiferum* (q.v.).

cornea (Bourdote & Galzin) Parmasto, Phlebia

Name changed to *Crustoderma corneum* (Bourdote & Galzin) Nakasone *Mycologia* 76(1): 45 (1984).

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.).

disciformis (DC.) Pat., Aleurodiscus

Thelephora disciformis DC., in de Candolle & Lamarck, *Fl. franç.*, Edn 3 (Paris) 5/6: 31 (1815)

Stereum disciforme (DC.) Fr., *Épicr. syst. mycol.*: 551 (1838)

Peniophora disciformis (DC.) Cooke, *Grevillea* 8: 20 (1879)

Hymenochaete disciformis (DC.) W.G. Sm., *Syn. Brit. Bas.*: 409 (1908)

Name changed to *Aleurocystidiellum disciforme* (DC.) Tellería, *Biblioth. Mycol.* 135: 25 (1990). Note amended authorities of names and that *Aleurocystidiellum disciforme* (DC.) Boidin, Terra & Lanq., *Bull. trimest. Soc. mycol. Fr.* 84: 63 (1968) is invalid.

dolabratus Fr., Cortinarius

Move to 'included' list.

erosa (Fr.) Sacc., Collybia

Amend notes: A *nomen dubium*. Sensu auct. is *Sagaranella tylicolor*.

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.).

fastibile (Pers.) P. Kumm., Hebeloma

Move to 'included' list as a synonym of *H. laterinum* (q.v.).

fimbriatum Fr., Tulostoma, *Syst. mycol.* (Lundae) 3(1): 43 (1829)

Not authentically British. A 2011 collection reported from Cardiganshire (Ynyslas) [Hobart, FM13(3): 81–83 (2012)] was sequenced twice (L.M. Suz unpubl.) and redetermined as *T. brumale* based on the consistent results obtained.

fimbriatum Fr., Tulostoma

Move to 'included' list.

firmum (Pers.) Gillet, Hebeloma, *Hymén.*: 523 (1876)

Amend the recombining author's name and citation as above. Beker *et al.*, *FungEur*14: 596 (2016) "think it unlikely to be a *Hebeloma*".

flammuloides Romagn., Hebeloma

Move to 'included' list as a synonym of *H. subtortum* (q.v.).

flavipes Pers., Clavaria

Move to 'included' list with *Clavaria straminea* as synonym.

fragilipes Romagn., Hebeloma

Move from 'included' list following Beker *et al.*, *FungEur*14: 282 (2016). Formerly *H. hiemale* was excluded from the list as a *nomen dubium* with the note that British records were, at least in part, *H. fragilipes*. The current view is that there are known verified collections of *H. hiemale* [as epitypified in Beker *et al.*, *FungEur*14: 326 (2016)], but currently none of *H. fragilipes*, hence its exclusion.

fuligineoviolaceum (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 from 'included' list. Analysis of ITS sequences derived from this pine-associated Scottish taxon and comparison with sequences published in 2012 [Nitare & Högberg, *Svensk Mykologisk Tidskrift* 33(3): 2–49 (2012)] indicate that the British material is misdetermined *S. scabrosus* (q.v.). 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. scabrosus* (q.v.).

gracile Berk., Ileodictyon, *London J. Bot.* 4: 69 (1845)

Erroneously reported as "recently added to the British list with a collection from Suffolk [sic]" in Kibby [*Mushrooms and toadstools of Britain & Europe* 1 (2017)] referring to a collection in K from Norfolk (Hetherset). However the derived barcode seq matched those of *I. cibarium* and so the collection was redetermined as this (K. Liimatainen unpubl.).

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."

hiemale Bres., Hebeloma

Move to 'included' list.

hillieri Rob. Henry, Cortinarius

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

imbutus Fr., Cortinarius

Move from 'included' list as the only known voucher collection in K (from Merionethshire) has now been sequenced and redetermined as *C. tortuosus* (K. Liimatainen unpubl.).

incarnatum A.H. Sm., Hebeloma

Move from 'included' list following redetermination of two collections from Easternness (Curr Wood) and Westmorland (Roudsea) as *H. leucosarx* which were supporting its CBIB inclusion [Beker *et al.*, FM 18(4): 119–132 (2017)]. These authors regard *H. incarnatum* as a species "normally collected in *Sphagnum* sites with conifers, primarily in subalpine or subarctic areas".

ingratum Bruchet, Hebeloma

Move to 'included' list.

ischnostylum (Cooke) Sacc., Hebeloma

Move to 'included' list.

kuehneri Bruchet, Hebeloma

Move to 'included' list as a synonym of *H. nigellum* (q.v.).

lacteus Qué., Gyroporus

Amend the author name (because *Boletus lacteus* Lév., previously cited as basionym, is a nom. illegit.) and move from synonymy of *G. cyanescens* to 'excluded' list. This has been confirmed as a distinct species by molecular analysis in Vizzini *et al.* [*Phytotaxa* 226(1): 27–38 (2015)]. It was published as a British species in Kibby [*Field Mycology* 18(2): 62–65 (2017)] and Kibby [*Mushrooms and toadstools of*

Britain & Europe 1 (2017)] based on a 2016 collection at K from West Suffolk (Thetford Forest). However, the barcode sequence derived from this specimen is a closer match to that derived from the epitype of *G. cyanescens* (L.M. Suz unpubl.) and it has now been redetermined. *Gyroporus lacteus* is therefore unsubstantiated with voucher material and moved to the 'excluded' list.

latitabundus Britzelm., Hygrophorus
Move to 'included' list.

lenis (P. Karst.) Miettinen, Sidera, in Miettinen & Larsson, *Mycol. Progress* 10: 136 (2011)
Name changed from *Skeletocutis lenis*. Replace last sentence of **Notes** with: The name *Skeletocutis lenis* has been widely used (e.g. in EurPoly2) for *Sidera vulgaris* (q.v.).

leucodiatreta Bon, Clitocybe
Move to 'included' list. Delete existing **Notes**.

limosa Rostr., Bovista
Move from 'included' list. Recent molecular, ecological and morphological evidence [Larsson *et al.* *Mycological Progress* 8: 289–299. (2009)] has distinguished *Bovista pusilla*, which was lectotypified and epitypified, from *B. limosa*. In Britain *B. pusilla* was previously considered to be a *nomen ambiguum* (BritPuffb) and its use was discontinued. ITS sequences derived from British material determined as *B. limosa* match those of epitypified *B. pusilla*. On this basis the British collections are now filed under *B. pusilla* (q.v.).

madidum Gillet, Entoloma
Move to 'included' list.

marginatum (J. Favre) Bruchet, Hebeloma
Move from 'included' list as the supporting Scottish voucher collection in E has been redetermined as *H. mesophaeum* [Beker *et al.*, *FM* 18(4): 119–132 (2017)]. These authors regard *H. marginatum* as an arctic/alpine species usually growing in association with *Salix* shrubs whose range might possibly extend to the mountains of Scotland.

menieri (Boud.) Singer, Gloiocephala
Move to 'included' list.

metachroides Harmaja, Clitocybe
Move to 'included' list.

minimum Schwein., Geastrum
Move from 'included' list as the name is now regarded as a *nomen ambiguum* and *nudum* [Zamora *et al.*, *Persoonia* 34: 130–165 (2015)]. These authors distinguished two European 'minimum group' segregate species *G. granulosum* and *G. marginatum*. All ITS sequences derived from British material previously assigned to *G. minimum* clustered with those of *G. marginatum*. British *G. minimum* collections assigned to *G. marginatum* (q.v.) on this basis.

morganii (Peck) H.E. Bigelow, Hygrophoropsis
Move to synonymy of *Aphroditeola olida* (q.v.).

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**.

nauseosum Sacc., Hebeloma
Amend author citation [replacement name for the illegitimate *Agaricus nauseosus* Cooke (1887)] and move to 'included' list with *H. gigaspermum* reduced to a synonym.

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.).

oculatum Bruchet, Hebeloma
Move to 'included' list as a synonym of *H. hiemale* (q.v.).

olida (Quél.) Redhead & Manfr. Binder, Aphroditeola, *Index Fungorum* 15: 1 (2013)

Cantharellus olidus Quél., in Cooke & Quélet, *Clavis syn. Hymen. Europ.* (London): 148 (1878)

Move *Hygrophoropsis olida* from synonymy of *H. morganii* to head this excluded entry with name change to *Aphroditeola olida*. *H. morganii* becomes a synonym.

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*.

populinum Romagn., Hebeloma
Move to 'included' list.

praestigiosus (Fr.) M.M. Moser, Cortinarius
Move to 'included' list.

psammophilum Bon, Hebeloma
Move from 'included' list following redetermination of British collections, including the voucher from Westmorland (Sandscale Haws), as *H. dunense* which were supporting its CBIB inclusion, [Beker *et al.*, *FM* 18(4): 119–132 (2017)]. These authors regard *H. psammophilum* as a shifting-dune-associated species growing in association with *Salix* and *Pinus*. It is present on the northern coast of France.

pseudolimbatum Hollós, Geastrum
Move from 'included' list. British material from Surrey (Shalford) now redetermined based on ITS sequence analysis as *G. coronatum*.

pusilla (Batsch) Pers., Bovista
Move to 'included' list.

pusiola (Fr.) R. Heim, Agrocybe
Move to 'included' list.

radicatum (Cooke) Maire, Hebeloma
Move to 'included' list as a synonym of *H. birrus* (q.v.).

renidens Fr., Cortinarius
Move from 'included' list as the only known voucher collection in K (from Devon) has now been sequenced and redetermined as *C. luridus* (q.v.) (K. Liimatainen unpubl.).

reniformis (G. Mey.) Singer, Hohenbuehelia
Retain in 'excluded' list but reduce to a synonym of *H. mustialensis* (q.v.). Delete first sentence of **Notes**.

roseipes (Velen.) Reumaux, Cortinarius
Move from 'included' list following sequencing of almost all British holdings of this (from *Helianthemum* habitat) and their subsequent redetermination as *C. subcoronatus* (q.v.). Further details in Liimatainen & Ainsworth [*FM*19(4): 119–135 (2018)].

rubellum (Scop.) Gillet, Entoloma
Move from 'included' list. This species with pink basidiomata has been downgraded to a variety of *E. bloxamii* based on molecular studies [Morgado *et al.*, *Persoonia* 31: 159–178 (2013)]. However, these authors also sequenced the single specimen in K (from Pembrokeshire) which supported its inclusion on the British list and revealed that this voucher

should be assigned to *E. ochreoprunuloides* and not *E. bloxamii*.

rubricosus (Fr.) Fr., Cortinarius
Move to 'included' list.

salmonifolius M.M. Moser & Lamoure, Leucopaxillus
Name changed to *Pseudoclitopilus salmonifolius* (M.M. Moser & Lamoure) Vizzini & Contu, *Mycosphere* 3(1): 86 (2012)

sassii (M. Lange & A.H. Sm.) Redhead, Vilgalys & Moncalvo, Coprinellus
Move from 'included' list following sequencing and redetermination of the only voucher collection in K (from Oxfordshire, Blenheim Park) as *C. amphithallus* s. Nagy which was supporting its CBIB inclusion (K. Liimatainen unpubl.).

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.).

splendidissima Kotl. & Pouzar, Haasiella
Move from 'excluded' list to the synonymy of *H. venustissima* following molecular analysis in Vizzini *et al.* [*Mycologia* 104(3) 777–784 (2012)].

squalina sensu Christiansen [Danish Resupinate Fungi: 2 (1960)], Mycoacia
Remove from synonymy of *Sarcodontia crocea*. Christiansen's specimens described and figured therein are difficult to interpret but are not referable to *S. crocea*.

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).

subcollariatum (Berk. & Broome) Sacc., Hebeloma
Move to 'included' list as a synonym of *H. mesophaeum* based on holotype studies [Beker *et al.*, *FungEur*14: 647 (2016)].

subfuliginosa Bourdot & Galzin, Hymenochaete
Remove from synonymy of *H. fuliginosa* and move both to 'included' list.

subgaleroides 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.).

sublaevis (Bres.) Jülich, Ceraceomyces
Move from 'included' list as the name has been widely misapplied and is a *nomen confusum*. The type of *Corticium sublaeve* Bres. was found to be conspecific with *Metulodontia nivea* (P. Karst.) Parmasto. *C. sublaevis* sensu CNE2 has been split into two species, the cystidiate *C. eludens* (q.v.) and acystidiate *C. microsporus* (q.v.).

subsaponaceum P. Karst., Hebeloma
Move to synonymy of *H. syrjense*.

syrjense P. Karst., *Bidr. Känn. Finl. Nat. Folk* 32: 475 (1879) *Hebeloma subsaponaceum* P. Karst.
Move *H. subsaponaceum* to synonymy and amend **Notes** to: "Not authentically British. An unverified English record (2004) is mentioned in Beker *et al.*, *FM* 18(4): 119–132 (2017), but this refers to a collection from deciduous woodland in East Sussex (St Dunstan's Farm) which is preserved in K as *H. cf. syrjense* and which requires molecular investigation. These authors regard *H. syrjense* as "a subalpine/subarctic species often in mossy soil with conifers; most of our records are from Scandinavia and France." Two collections named *H. subsaponaceum* in K from Scotland (Orkney) have been redetermined by Vesterholt as *H. birrus*.

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

trogii (Berk.) Domański, Coriolorpsis
Name changed to *Trametes trogii* Berk. Move to 'included' list.

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*).

BASIDIOMYCOTA, USTILAGINOMYCOTINA

heterospora (B. Lindb.) Kukkonen, Anthracoidea
Move to 'included' list.