CBIB COMPENDIUM OF UPDATES UD7–12 (Ainsworth, A.M. & Henrici, A. 2016–23)

Compiled by AMA 11th March 2024

The online CBIB database containing checklist data incorporated up to and including 05 Feb 2015 (Update 6) is currently accessible at http://basidiochecklist.science.kew.org/index.htm. Subsequent additions and amendments (Updates 7–12) have not been incorporated in this database, but they are now available as separate downloads from the Fungi of Great Britain and Ireland (FGB&I) website (under the "Checklists" tab) courtesy of Paul Cannon. Corrections noted since the individual updates were uploaded to the website are shown in red.

There are two ways to access the current Checklist in its entirety. One way is to consult the database (URL as above) and then the compendium UD7–12. Alternatively, one can consult the printed book published in 2005 followed by the two compendia UD1–6 and UD7–12.

62 species (net) were added to the British & Irish list in 2023.

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.
Kibby, G. (2020). Mushrooms and toadstools of Britain & Europe volume 2. Privately published. 196 pp.
Kibby, G. (2021). Mushrooms and toadstools of Britain & Europe volume 3. Privately published. 183 pp.
Kibby, G. & Tortelli, M. (2021). The genus *Cortinarius* in Britain. Privately published. 149 pp.
Klenke, F. & Scholler, M. (2015). *Pflanzenparasitische Kleinpilze. Bestimmungsbuch für Brand-, Rost-, Mehltau-, Flagellatenpilze und Wucherlingsverwandte in Deutschland, Österreich, der Schweiz und Südtirol*. Berlin: Springer Spektrum. 1172 pp.
Læssøe, T. & Petersen, J.H. (2019). Fungi of temperate Europe. Princeton University Press. 1715 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 & Ryvarden, *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. & Ryvarden) 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*.

Agaricus crocodilinus Murrill, *Mycologia* 4(6): 300 (1912)
Move *A. urinascens* (= *A. macrosporus nom. illegit.*) and *A. urinascens* var. *excellens* to the synonymy of this species following the DNA analysis of R.W. Kerrigan as incorporated in the taxonomy of Parra Sánchez (**FungEur1A**, 2013), which included a barcode sequence from a "future epitype" of *A. crocodilinus* collected from the type locality.

Agaricus gemlii L.A. Parra, Arrillaga, Ribes & Callac, *Fungi Europaei, Agaricus L., Allopsalliota Nauta & Bas* 1A(supl.): 522 (2013)
W: !
H: Welsh collection on soil in cemetery grassland.
A collection (2022) in K from Pembrokeshire (Moylegrove) determined by comparing its ITS sequence (D.J. Harries, Aberystwyth University IBERS) with that generated from the holotype as documented in Harries [FM24(3): 77-82 (2023)].

Agaricus greuteri L.A. Parra, Cappelli & Kerrigan, *Fungi Europaei, Agaricus L., Allopsalliota Nauta & Bas* 1A(supl.): 345 (2013)
E: !
H: English collection on soil in broadleaved woodland glade.
An albinistic collection (2020) in K from Oxfordshire (Henley-on-Thames) determined as this based on the perfect match between its ITS sequence (Alvalab) and that obtained from the holotype and documented in Fortey [FM22(1): 25-26 (2021)].

Agaricus moelleroides Guinb. & L.A. Parra, *Fungi Europaei* (Alassio) 1A: 109 (2013)
W: !
H: Welsh collection on cemetery compost heap.
A collection (2022) in K from Pembrokeshire (Fishguard) determined by comparing its ITS sequence (D.J. Harries, Aberystwyth University IBERS) with that generated from the holotype as documented in Harries [FM24(3): 77-82 (2023)].

Agaricus ornatipes Mua, M. Casula & M. Sanna, *Micol. Veg. Medit.* 32(1): 61 (2017)
W: !
H: Welsh collections in coastal grassland.
Two collections (2023) in K from Pembrokeshire (Angle and Marloes) determined by comparing their ITS sequences (D.J. Harries, Aberystwyth University IBERS) with that generated from the holotype as documented in Harries & Theobold [FM25 (1): 23-26 (2024)].

Agaricus porphyrocephalus *subsp*. pallidus (Kerrigan) Kerrigan, in Parra, Cappelli, Kerrigan & Bizio, *Micol. Veg. Medit.* 33(2): 76 (2019)
Agaricus porphyrocephalus var. *pallidus* Kerrigan, Mem. N. Y. bot. Gdn 114: 292 (2016)
W: !
H: Welsh collection on soil in semi-improved grassland.
A collection (2022) in K from Pembrokeshire (Hundleton) determined by comparing its ITS sequence (D.J. Harries, Aberystwyth University IBERS) with that generated from the holotype as documented in Harries [FM24(3): 77-82 (2023)].

Agrocybe elatella (P. Karst.) Vesterh., *Nordic Jl Bot.* 9(3): 317 (1989)
Roumeguerites 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 & Hugueney, *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 & Hugueney, *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. & Ryvarden
Name changed to *Acanthobasidium norvegicum* (q.v.).

Aleurodiscus phragmitis (Boidin, Lanq., Cand., Gilles & Hugueney) Núñez & Ryvarden
Name changed to *Acanthobasidium phragmitis* and reduced to a synonym of *Acanthobasidium delicatum* (q.v.).

Amanita alseides Hanss, in Hanss & Moreau, *Bull. Soc. mycol. Fr.* 133: 101 (2020)
E: !
H: English collections on soil in broadleaved woodland.
Collections (2020, 2019 & 2020) respectively from Essex (Epping Forest), the Isle of Wight (Firestone Copse) and South Hampshire (Hursley Park) determined as this based on the perfect match between their derived ITS sequences (E. Janke and Alvalab) and that obtained from a paratype, later confirmed by P.-A. Moreau and documented in Kibby & Rogerson [FM22(1): 12-15 (2021)]. There is also a collection (2020) at K from Oxfordshire (Blenheim Estate) determined as this based on matching of its ITS sequence (A.Yu. Biketova) with that of a paratype (99.7%).

Amanita fulvoides Neville & Poumarat, *Fungi Non Delineati*, Raro vel Haud Perspecte et Explorate Descripti aut Definite Picti 51-52: 44 (2009)
E: !
H: English collections on soil with conifers or broadleaved trees.
Collections (2021 & 2020) in K respectively from East Sussex (Butcher's Wood) and North Wiltshire (Westonbirt) sequenced and determined as this by matching (R.E. Tulloss, A.Yu. Biketova & A.M. Ainsworth) with the corresponding sequence from the holotype. A further sequenced collection (2022) from East Sussex (Guestling Wood) also confirmed as this (A. Overall).

Amanita gemmata (Fr.) Bertill.
Agaricus gemmatus Fr., *Epicr. 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* Quél. (listed as a synonym of *A. gemmata*) to become the current name of this taxon [Kibby, FM 17(1): 19–20 (2016)].

Amanita huijsmanii F. Massart & Rouzeau, *Bull. Soc. linn. Bordeaux* 17(3): 159 (1990) [1989]
E: !
H: English collections on soil in broadleaved woodland or near parkland trees including *Quercus robur* and *Castanea sativa*.
Collections (2006 & 2020) respectively from Berkshire (Windsor Great Park) and South Hampshire (Hursley Park) determined as this based on a comparison of their derived ITS sequences (K. Liimatainen & E. Janke) with that obtained from the holotype and documented in Kibby & Rogerson [FM22(1): 12-15 (2021)].

Amanita reidiana Tulloss, *Amanitaceae* 1(2): 4 (2015)
Amanita submembranacea var. *bispora* D.A. Reid
Amanita castaneogrisea Contu, *Micol. Veg. Medit.* 12(2): 146 (1997), nom. inval.
E: !
H: In woodland soil.
Move from synonymy of *A. submembranacea* and recognise as a distinct species. Two collections in K: the holotype (1980) of *A. submembranacea* var. *bispora* from Surrey (Mountain Wood) and a 2010 collection from Shropshire (Earl's Hill) determined by G.G. Kibby.

Amanita submembranacea (Bon) Gröger
Remove var. *bispora* from synonymy and recognise as a distinct species *A. reidiana* (q.v.). Delete final sentence of **Notes**.

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)].

Amanita vladimirii Ševčíková, Hanss & P.-A. Moreau, *Phytotaxa* 482(2): 164 (2021)
E: ! **W:** !
H: In soil under various broadleaved tree species.
Two collections (2013 & 2019) in K respectively from Montgomeryshire (Gregynog) and Oxfordshire (Harpsden Wood), originally determined respectively as *A. simulans* and *A.* "*lividopallescens*", were redetermined as this based on a comparison of their ITS sequences (K. Liimatainen & A.Yu. Biketova) with those generated from the holotype and paratypes.

Antrodia citrina Bernicchia & Ryvarden
Name changed to *Fibroporia citrina* (q.v.).

Antrodia gossypium (Speg.) Ryvarden
Name changed to *Fibroporia gossypium* (q.v.).

Antrodia macra (Sommerf.) Niemelä
E: !
H: English collection on attached dead branch of *Populus* sp.
Move from 'excluded' list based on morphological and DNA barcode studies. A collection (2019) from North Hampshire (Odiham Common) yielded an ITS sequence (E. Janke) which was identical to that generated from *A. macra* sensu Tomšovský *et al.* (2009) collected on Czech *Salix*. This name, as currently applied, is likely to represent a species complex.

Antrodia pseudosinuosa A. Henrici & Ryvarden
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.) Ryvarden
Name changed to *Fibroporia vaillantii* (q.v.).

Antrodiella serpula (P. Karst.) Spirin & Niemelä, *Mycotaxon* 96: 231 (2006)
E: !
H: English collections on wood of *Alnus glutinosa* lying on the ground.
Two collections (2020) from East Sussex (Guestling Wood & Stonelynk Wood), determined as this based on morphology and documented in Overall [FM21(4): 132-134 (2020)].

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

Aphanobasidium subnitens (Bourdot & Galzin) Jülich, *Persoonia* 10(3): 326 (1979)
E: !
H: English collections on dead fallen wood of *Picea*.
Two collections (2021) in K from Mid-west Yorkshire (Chevin Forest Park and Timble Ings) determined as this based on morphological characters (A.R. Simpson).

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)].

Arrhenia oniscus (Fr.) Redhead, Lutzoni, Moncalvo & Vilgalys
Amend epithet ending to -*us*. *Arrhenia* is feminine but the epithet is a noun in apposition.

ARTOMYCES Jülich, *Biblthca Mycol.* 85: 395 (1982) [1981]
Type: *Artomyces pyxidatus* (Pers.) Jülich

pyxidatus (Pers.) Jülich, *Biblthca 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 *Clavicorona pyxidata* with replacement habitat details and notes and new **D+I**.

ASPROPAXILLUS Kühner & Maire, *Bull. trimest. Soc. mycol. Fr.* 50: 13 (1934)
Type: *Aspropaxillus giganteus* (Sowerby) Kühner & Maire
This genus has been revived for *Leucopaxillus giganteus*.

giganteus (Sowerby) Kühner & Maire
Amend author name of basionym as above (and for all listed synonyms) and move this name to head the entry formerly headed by *L. giganteus* following the molecular study of Vizzini *et al.* [*Mycosphere* 3(1): 79-90 (2012)]

Athelia pyriformis (M.P. Christ.) Jülich
Name changed to *Eonema pyriforme* (q.v.).

Athelopsis baculifera (Bourdot & Galzin) Jülich
Move to 'excluded' list.

Athelopsis fusoidea (Jülich) Tellería, in Tellería & Melo, *Fl. Mycol. Iberica* 1: 87 (1995)
Name changed from *Leptosporomyces fusoideus*.

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 fuligineoalbus* (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 fragilescens* 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, *Tarrelos* 20: 28 (2018)
This is a new name for *B. perplexa* which was invalidly published.

Boletus regius Krombh.
Move to 'excluded' list (as *Butyriboletus regius*) because the remaining British collection so-named in K (New Forest, Ashurst, Churchplace Inclosure) was redetermined as *Butyriboletus subappendiculatus* based on ITS sequence analyses (B.T.M. Dentinger, A.M. Ainsworth). Documented as non-British in Ainsworth *et al*. (2013) https://hub.jncc.gov.uk/assets/f5cae2d1-b304-4020-921c-1c95d507f9c8

BONOMYCES Vizzini, *Index Fungorum* 159: 1 (2014)
Type: *Bonomyces sinopicus* (Fr.) Vizzini, *Index Fungorum* 159: 1 (2014)

arnoldii (Boud.) P.-A. Moreau, Vizzini & P. Alvarado, in Alvarado, Moreau, Sesli, Youcef Khodja, Contu & Vizzini, *Cryptog. Mycol.* 39(2): 162 (2018)
Clitocybe arnoldii Boud., *Bull. Soc. mycol. Fr.* 10(1): 60 (1894)
W: !
H: On soil under *Prunus spinosa*.
A collection (2022) in K from Caernarvonshire (Bangor) was determined as this based on matching its barcode sequence (R.H. Woods, A.Yu. Biketova, A.M. Ainsworth) with those published in Alvarado *et al*. [*Cryptog. Mycol.* 39(2): 162 (2018)].

sinopicus (Fr.) Vizzini, *Index Fungorum* 159: 1 (2014)
Clitocybe sinopica (Fr.) P. Kumm.
Name change for *Clitocybe sinopica*.

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*.

Caloboletus kluzakii (Šutara & Špinar) Vizzini, *Index Fungorum* 146: 1 (2014)
E: !
H: English collections in soil near *Fagaceae*.
Six collections (1991-2014) in K from Oxfordshire (Henley-on-Thames), South Hampshire (New Forest), Surrey (Brookwood & Richmond Cemeteries) and West Gloucestershire (Forest of Dean) originally determined or redetermined as *Boletus radicans*, were redetermined as this based on a comparison of their ITS sequences (K. King, D. Parfitt & L.M. Suz) with those generated from the holotype. Documented in Kibby & Ainsworth [FM23(3): 95-98 (2022)].

Calocybe gangraenosa (Fr.) V. Hofstetter, Moncalvo, Redhead & Vilgalys, in Redhead, *Index Fungorum* 8: 1 (2012)
Name changed from *Lyophyllum gangraenosum*.

Calocybe ochracea (R. Haller Aar.) Bon, *Docums Mycol.* 29(no. 115): 33 (1999)
Lyophyllum ochraceum (R. Haller Aar.) Schwöbel & Reutter, *Z. Pilzk.* 35: 83 (1969)
Lyophyllum favrei f. *ochraceum* R. Haller Aar., *Schweiz. Z. Pilzk.* 30: 43 (1952)
ROI: !
H: In soil near broadleaved trees.
Two Irish collections (2003 & 2004) in DBN respectively from County Monaghan (Bellamont) and County Wicklow (Knocksink Wood).

Calonarius odoratus (Joguet ex M.M. Moser) Niskanen & Liimat., in Liimatainen, Kim, Pokorny, Kirk, Dentinger & Niskanen, *Fungal Diversity*: 10.1007/s13225-022-00499-9, [45] (2022)
E: !
H: English collection on soil with *Quercus*, *Carpinus* and *Betula*.
A collection (2022) from East Kent (Badgin Wood) determined on morphological characters (M. Tortelli). Formerly combined in *Cortinarius*.

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.).

Camarophyllopsis atrovelutina (Romagn.) Argaud, *Docums Mycol.* 31(no. 123): 47 (2002)
E: ! **W:** !
H: English collections on soil in sheep-grazed pasture.
Several collections (2021 to 2023) from South Lancashire (Turn Slack Clough) and South-west Yorkshire (Booth, Crimsworth Dean, Hebden Dale, Jack Bridge and Pecket Well) determined on morphological characters with a representative confirmed by S. Adamčík. Soil-derived barcode sequences of this species have been generated from acid grassland and maritime heath in North Devon (Lundy) as documented in Griffith *et al.* [*Journal of the Lundy Field Society* 7: 87-106 (2020)]. Reported from grassland in Pembrokeshire (Hundleton).

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 (Greenscoombe 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 redisposition 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 redisposition 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*. *Mycokeys*, 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*.

Chroogomphus britannicus A.Z.M. Khan & Hora
E: !
H: In soil in plantation of *Pinus sylvestris*.
Move from synonymy of *C. rutilus* and restore as a distinct species. This is known in Britain from its English holotype (1971) and paratype (1972) preserved in K from Berkshire (Benyon's Inclosure). The ITS2 sequence recovered from the paratype is discussed in Scambler *et al*. [*IMA Fungus* 9(2): 271-290 (2018)].

Chroogomphus fulmineus (R. Heim) Courtec., *Docums Mycol.* 18(no. 72): 50 (1988)
S: !
H: In soil near *Pinus*.
A collection (2017) in K from Morayshire (Aviemore), determined as this based on a comparison of its ITS sequence with that of the epitype in Scambler *et al*. [*IMA Fungus* 9(2): 271-290 (2018)].

Chroogomphus mediterraneus (Finschow) Vila, Pérez-De-Greg. & G. Mir, *Errotari* 3: 68 (2006)
S: ! **W:** !
H: In soil under *Pinus sylvestris* (one collection under *Larix*).
Collections (2015, 2017 and 2003) respectively from Mid Perthshire (Black Wood of Rannoch), Monmouthshire (Hardwick Plantation) and South Aberdeenshire (Linn of Dee), originally determined as *C. rutilus* or *Chroogomphus* sp., redetermined as this based on a comparison of their ITS sequences with that of the epitype. The DNA sequence generated from the Linn of Dee collection is documented in Scambler *et al*. [*IMA Fungus* 9(2): 271-290 (2018)].

Chroogomphus rutilus (Schaeff.) O.K. Mill.
Move *C. britannicus* (q.v.) from synonymy as DNA barcoding has shown that it is a distinct species. Retain *C. corallinus*, which has an English holotype, as a synonym of *C. rutilus* but, for now, doubtfully listed as "? *C. corallinus*" following the discussion in Scambler *et al*. [*IMA Fungus* 9(2): 271-290 (2018)].

Chroogomphus subfulmineus Niskanen, Loizides, Scambler & Liimat., in Scambler, Niskanen, Assyov, Ainsworth, Bellanger, Loizides, Moreau, Kirk & Liimatainen, *IMA Fungus* 9(2): 285 (2018)
S: !
H: In sandy soil in *Pinus* plantation.
Two collections (2003) from Morayshire (Culbin Forest), one originally determined as *C. rutilus* in Pickles *et al*. [*Molecular Ecology* 21(20): 5110-5123 (2012)], redetermined as this based on a comparison of their ITS sequences with that of the isotype in K which was collected in Cyprus. For further details, see Scambler *et al*. [*IMA Fungus* 9(2): 271-290 (2018)].

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)
W: !
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.).

Clavaria tyrrhenica Franchi & M. Marchetti, *Riv. Micol.* 60(2): 106 (2017)
E: !
H: English collection on soil.
A collection (2022) from the Isle of Wight (Cowes) determined as this based on a comparison of its ITS sequence (D.J. Harries) with that of the holotype.

Clavicorona 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 etruriae Franchi & M. Marchetti, *Riv. Micol.* 61(1): 11 (2018)
W: !
H: Welsh collection on soil under *Pinus sylvestris* in an otherwise broadleaved woodland.
A collection (2018) from Pembrokeshire (Hundleton) was determined as this based on a comparison of its barcode with that derived from the holotype (D.J. Harries) and confirmed by the authors of the name. This specimen was described and illustrated in Harries [FM22(2): 47-49 (2021)].

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

Clitocybe costata Kühner & Romagn.
Name changed to *Infundibulicybe costata* (q.v.).

Clitocybe ditopus (Fr.) Gillet
Note that the 2005 printed book and Index Fungorum used the incorrect spelling *ditopa*, now regarded as an "orthographic variant" by, and now corrected in, Index Fungorum.

Clitocybe geotropa (Bull.) Quél.
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 houghtonii (W. Phillips) Dennis
Name changed to *Leucocybe houghtonii* following the molecular study of Das *et al.* [*Cryptog. Mycol.* 38(3): 353-406 (2017)] which included a sequenced specimen in K from Surrey (West Molesey).

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 obsoleta (Batsch) Quél.
E: !
H: English collections on soil, usually in coniferous litter.
Move from 'excluded' list. Replace **Notes** with: "Collections (2014 & 2020) from Surrey (Englefield Green & Kew Gardens) determined as this based on morphology. This differs from the formerly adopted sensu auct. Brit. interpretation which is *C. fragrans*. For further details see Henrici & Kibby [FM15(4): 111-112 (2014)]."

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.).

Clitopilus abprunulus S.P. Jian, M. Karadelev & Zhu L. Yang, in Jian, Karadelev, Wang, Deng & Yang, *Mycol. Progr.* 19(8): 810 (2020)
E: !
H: In calcareous soil in broadleaved woodland.
Described with an English paratype (1994) from Surrey (Norbury Park) which is preserved in K and was originally determined as *C. prunulus*.

Clitopilus baronii Consiglio & Setti, *Index Fungorum* 427: 1 (2019)
E: !
H: English collections on fallen wood of broadleaved trees or on dead basidiomata of wood-inhabiting aphyllophoroid fungi.
Three collections (2005, 2004 & 2012) respectively from Buckinghamshire (Ham Home Wood), North Hampshire (Thedden Copse) and South Somerset (Montacute Estate), all originally determined as *C. hobsonii* on morphological characters, redetermined as this based on a comparison of their ITS sequences (G. Consiglio & L. Setti) with that of the holotype.

Collybiopsis subpruinosa (Murrill) R.H. Petersen, in Petersen & Hughes, *Mycotaxon* 136(2): 344 (2021)
E: !
H: English collection on buried debris beneath *Kalmia latifolia* in a garden.
A collection (2021) from East Sussex (Crawley) determined as this based on a comparison of its ITS sequence (N. Aplin) with those of this species sensu Antonin (MK646034) and Hughes & Petersen (e.g. DQ450027).

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 albocremea* (Höhn. & Litsch.) Jülich

albocremea (Höhn. & Litsch.) Jülich, *Persoonia* 8(3): 304 (1975)
Name changed from *Hyphoderma albocremeum*.

Coprinellus cinnamomeotinctus (P.D. Orton) D.J. Schaf., *Field Mycology* 13(3): 100 (2012)
Name changed from *Coprinus cinnamomeotinctus*.

Coprinellus deliquescens (Bull.) P. Karst., *Bidr. Känn. Finl. Nat. Folk* 32: 542 (1879)
Mis.: *Coprinellus silvaticus* sensu auct.
E: ! **S:** ! **W:** !
H: In soil around stumps of broadleaved trees.
Move from 'excluded' list (as *Coprinus deliquescens*). Replace **Notes** with: "Widespread and frequent fide Kibby [*Mushrooms and toadstools of Britain & Europe vol. 3* (2021)]. Note that Cooke 665 (678) Vol. 5 (1886) seems to depict a small form of *Coprinopsis atramentaria*."

Coprinellus sassii (M. Lange & A.H. Sm.) Redhead, Vilgalys & Moncalvo
Move to 'excluded' list.

Coprinopsis alnivora (Bogart) Voto, *Boll. Assoc. Micol. Ecol. Romana* 107(2): 94 (2019)
E: !
H: English collections in rot holes of *Fagus*.
A collection (2022) from South Hampshire (New Forest) determined as this based on a comparison of its ITS sequence (E. Janke) with that of the holotype (from USA) and with several European collections documented in Bednár *et al.* [*Phytotaxa* 542(2): 136-152 (2022)].

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 discrete 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).

Coriolopsis 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 ainsworthii Liimat. & Niskanen, in Hyde *et al.*, *Fungal Diversity* 100: 244 (2020)
E: !
H: In calcareous soils of woodland or downland associated with broadleaved trees, including *Quercus*, *Corylus* and *Fagus*, and probably *Helianthemum*.
Described with a sequenced English holotype, now in K, collected from a *Helianthemum* bed near young *Quercus* in West Sussex (Devil's Dyke). This specimen was described and illustrated (as *Cortinarius* sp.) in Liimatainen & Ainsworth [FM19(4): 119-135 (2018)].

Cortinarius alboadustus Bidaud, in Bidaud, Carteret, Reumaux & Moënne-Loccoz, *Atlas des Cortinaires* (Meyzieu) 20: 1607 (2012)
E: !
H: English collection in grassy soil near *Quercus robur*.
One collection (2021) in K from Oxfordshire (Blenheim Estate) determined as this based on a comparison of its ITS sequence (A.Yu. Biketova, LGC) and that generated from the holotype (K. Liimatainen); they were identical.

Cortinarius alboamarescens 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 albocyaneus 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 albolens Bidaud, Carteret & Reumaux, in Bidaud, Carteret, Reumaux & Moënne-Loccoz, *Atlas des Cortinaires* (Meyzieu) 20: 1573 (2012)
S: !
H: Scottish collection in woodland soil under *Quercus*.
A collection (1982) in K from Westerness (Kinlochmoidart), originally determined as *Cortinarius* sp., was redetermined as this based on matching its ITS barcode with that of the holotype (D-H. Wang, K. Liimatainen).

Cortinarius albovariegatus (Velen.) Melot, *Bull. trimest. Soc. mycol. Fr.* 95(3): 207 (1980) [1979]
S: !
H: Scottish collection in woodland soil near *Pinus*.
A collection (1979) in K from "north of Perth", originally determined as *C. obtusus*, was redetermined as this s. Funga Nordica based on an analysis of its ITS sequence (D-H. Wang, K. Liimatainen).

Cortinarius aleuriosmus Maire
Move to 'excluded' list and move *C. caroviolaceus* from synonymy to head this entry.

Cortinarius ammophiloides Bohus, *Annls hist.-nat. Mus. natn. hung.* 71: 69 (1979)
E: !
H: In woodland soil.
Occurrence in southern England verified by matching barcode sequence(s) with that of the holotype fide Kibby & Tortelli (2021).

Cortinarius ammophilus A. Pearson
Move to the synonymy of *C. desertorum* (q.v.).

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 anthracinicolor Reumaux, in Bidaud, Moënne-Loccoz, Reumaux, Carteret & Eyssartier, *Atlas des Cortinaires* (Meyzieu) 11: 570 (2001)
E: !
H: English collection on soil near *Carpinus*.
A collection (2020) from East Kent (Rice Wood) determined as this based on a comparison of its ITS sequence (Alvalab & K. Liimatainen) with that obtained from the type.

Cortinarius aptecohaerens Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 99(1): 91 (1983)
S: !
H: Scottish collection on soil under *Pinus*.
A collection (2020) from Morayshire (Nethy Bridge) determined as this based on a comparison of its barcode sequence with that of the type (G.G. Kibby, M. Tortelli & K. Liimatainen).

Cortinarius aquilanus T.S. Jeppesen & Frøslev, *Mycotaxon* 106: 470 (2009) [2008]
E: !
H: With *Fagus* on chalk.
A collection (2021) in K from Surrey (Sheepleas) determined as this based on a comparison of its ITS sequence (Avalab) with that of the holotype.

Cortinarius argutus Fr.
E: !
H: In soil near *Populus*.
Move from 'excluded' list. Add the above details and replace **Notes** with: "Two collections (2005 & 2013) in K, respectively from Hertfordshire (Gobions Wood) and Shropshire (Ironbridge) morphologically determined by G.G. Kibby. Sensu Rea (1922) is doubtful and the few collections named thus in K need reappraisal."

Cortinarius armeniacus (Schaeff.) Fr.
S: !
H: In soil associated with *Picea*.
Move from 'excluded' list. Replace **Notes** with: "Several collections (2020) from Morayshire (Nethy Bridge) determined as this based on a comparison of its barcode sequence with that of the type (G.G. Kibby, M. Tortelli & B. Dima)."

Cortinarius atroalbus M.M. Moser, *Sydowia* 45(2): 282 (1993)
S: !
H: Scottish collection in woodland soil near *Picea*.
A collection (2021) in K from Caithness (Dunnet Forest) was determined as this based on matching its barcode sequence with that derived from the type (D-H. Wang, K. Liimatainen).

Cortinarius aurae Niskanen & Liimat., in Hyde *et al.*, *Fungal Diversity* 100: 247 (2020)
E: ! **S:** !
H: In soil of woodlands dominated by conifers, including *Pinus* with *Betula*, and broadleaved trees, including *Castanea sativa*.
Described with a sequenced Scottish holotype, now in K, from Mid Perthshire (Black Wood of Rannoch) and an English paratype from West Kent (Mereworth Woods), the latter originally determined as *C. fagetorum* (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 aureocalceolatus M.M. Moser & Peintner, *Journal des JEC*, Journées Européenes du Cortinaire 5(no. 4): 30 (2002)
E: !
H: In soil near *Fagus sylvatica.*
One collection (2010) in K from Buckinghamshire (Mousells Wood), originally determined as *C. magicus*. Redetermination based on a comparison of its ITS sequence with that of the holotype (K. Liimatainen).

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 balteatus Fr.
S: !
H: In soil with *Pinus sylvestris*.
Move from 'excluded' list (delete associated **Notes**). A collection (2021) at K from Easterness (Nethy Bridge) determined as this by matching its barcode sequence with that derived from the type (Alvalab).

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 britannicus Liimat. & Niskanen, in Hyde *et al.*, *Fungal Diversity* 100: 247 (2020)
S: !
H: Scottish collection on gley soil under planted *Fagus sylvatica*.
Described with a sequenced Scottish holotype, now in K, collected in Caithness (Olrig Wood).

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 brunneotinctus Niskanen, Liimat., Ammirati, André Paul & Lebeuf, in Niskanen, Liimatainen, Kytövuori & Ammirati, *Botany* 90(8): 745 (2012)
S: !
H: On acid soil with *Betula* and conifers.
Occurrence in Scotland based on morphological evidence fide Kibby & Tortelli (2021).

Cortinarius brunneus var. glandicolor (Fr.) H. Lindstr. & Melot
Move to synonymy of *Cortinarius glandicolor* (q.v.).

Cortinarius calcofractus Liimat. & Niskanen, in Niskanen & Liimatainen, *Index Fungorum* 528: 1 (2022)
E: !
H: English collection on thin soil overlying limestone with *Quercus* and *Corylus*.
Described with a sequenced English holotype in K. This was originally determined as *C. infractus* collected in 1991 from West Lancashire (Gait Barrows).

Cortinarius caledoniensis P.D. Orton
Move to synonymy of *C. sphagnophilus* 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 caligatus Malençon
Move to 'excluded' list following the introduction of this name in Tortelli & Pitt [FM20(4): 137–140 (2019)]. Vouchers now redetermined as *C. squameoradicans* (q.v.) by M. Tortelli & G.G. Kibby on morphological and ecological evidence.

Cortinarius caliginosus Bidaud, Moënne-Locc. & Reumaux, in Bidaud, Moënne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires* (Meyzieu) 10: 514 (2000)
E: !
H: Collection in K on soil near *Quercus* sp.
One collection (2004) in K from North Hampshire (Thedden Copse), originally determined as *C. castaneus* var. *erythrinus* (cf.). Redetermination based on a comparison of its ITS sequence with that of the holotype (K. Liimatainen). A more recent (2019) collection from West Sussex (Crawley) also determined as this based on an ITS sequence which was identical to that of the holotype (N. Aplin).

Cortinarius camptoros Brandrud & Melot
Move to 'excluded' list.

Cortinarius caroviolaceus 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 castaneus (Bull.) Fr.
E: !
H: English collection on grassland soil with *Helianthemum* and *Quercus*.
Move from 'excluded' list. Replace **Notes** with: "A collection (2005) from South Wiltshire (Martin Down) determined as this based on a comparison (two differences) of its ITS sequence (K. Liimatainen) with that obtained from the neotype. This may be part of a species complex since the ITS sequence was identical to that derived from the holotype of *C. dunensis*."

Cortinarius cedretorum Maire
Replace **Notes** with: "This species was originally described as an associate of cedars and the British collections (with *Fagus* on calcareous soil) are likely to be misdetermined *C. bergeronii*. If the two species are shown to be synonymous, the name *C. cedretorum* would take priority."

Cortinarius chrysomallus Lamoure
Move to 'excluded' list.

Cortinarius cinereobrunneolus Chevassut & Rob. Henry, *Docums Mycol.* 12(no. 47): 53 (1982)
E: !
H: On soil near *Betula* and *Quercus.*
A collection (2014) in K from Middlesex (Hampstead Heath), originally determined as *C. diosmus*, redetermined as this by matching its barcode sequence with that of the holotype (K. Liimatainen unpubl.). Further details in Kibby *et al*. [FM20(1): 12–20 (2019)].

Cortinarius 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 claroplaniusculus 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 collinitoparvus Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 79(3): 293 (1963)
Cortinarius rickenii Rob. Henry ex Bidaud, Moënne-Locc. & Reumaux, in Bidaud, Moënne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires* (Meyzieu) 10: 493 (2000)
E: !
H: English collection on soil near *Fagus* and *Quercus*.
A collection (2019) in K from Buckinghamshire (Marlow Common) confirmed as this by matching its barcode sequence (A.Yu. Biketova, LGC, K. Liimatainen) with that of the holotype (identical).

Cortinarius collocandoides Reumaux, in Bidaud, Moënne-Loccoz, 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, Moënne-Loccoz & Reumaux, *Atlas de Cortinares 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 comptulus M.M. Moser
E: ! **S:** !
H: Scottish collection on soil in *Pinus*-dominated woodland with some *Betula*.
Move from 'excluded' list. Replace **Notes** with: "A collection (2015) from Mid Perthshire (Black Wood of Rannoch) determined as this based on a comparison of its ITS sequence (K. Liimatainen & T. Niskanen) with that obtained from the holotype. There is also a verified English collection awaiting accession."

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 corvinus Reumaux, in Bidaud, Carteret, Reumaux & Moënne-Loccoz, *Atlas des Cortinaires* (Meyzieu) 20: 1607 (2012)
E: !
H: English collection in dried out *Salix* pond.
A collection (2019) in K from West Kent (Hayes Common) was determined as this based on matching its barcode sequence with that derived from the type (D-H. Wang, K. Liimatainen).

Cortinarius cremeoglobosus Rob. Henry, *Docums Mycol.* 19(no. 73): 67 (1988)
E: !
H: In soil near *Betula*.
A collection (2015) in K from West Kent (Angley Wood) sequenced and determined by K. Liimatainen.

Cortinarius cystidiophorus Reumaux, in Bidaud, *Docums Mycol.* 23(no. 90): 45 (1993)
E: !
H: In soil near *Carpinus betulus*.
One collection (2000) in K from Hertfordshire (Stevenage), originally determined as *C. obtusus*. Redetermination based on a comparison of its ITS sequence with that of the holotype (K. Liimatainen).

Cortinarius danili Rob. Henry
Move to 'excluded' list.

Cortinarius daulnoyae (Quél.) Sacc., in Saccardo & Traverso, *Syll. fung.* (Abellini) 19: 449 (1910)
Cortinarius cumatilis var. *daulnoyae* Quél., *C. r. Assoc. Franç. Avancem. Sci.* 18(2): 510 (1890) [1889]
Cortinarius herculeolens Bidaud, in Bidaud, Moënne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires* (Meyzieu) 8: 293 (1996)
Cortinarius chromataphilus Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 105(1): 97 (1989)
E: !

H: On soil in deciduous woodland. British material associated with *Carpinus betulus*.
Move *Cortinarius herculeolens* to synonymy of this species and add *C. chromataphilus*. A collection (2003) at K from East Kent (Putt Wood), originally determined as *C. herculeolens*, and a new collection (2019) from the same site. Both were sequenced and the resulting ITS barcodes matched those derived from the holotypes of *C. chromataphilus* and *C. herculeolens* and the epitype of *C. daulnoyae* (K. Liimatainen unpubl.).

Cortinarius decipientoides Moënne-Locc. & Reumaux, in Reumaux & Moënne-Loccoz, *Bull. trimest. Féd. Mycol. Dauphiné-Savoie* 28(no. 111): 23 (1988)
?
H: In woodland soil.
Occurrence in Britain verified by matching barcode sequence(s) with that of the holotype fide Kibby & Tortelli (2021).

Cortinarius desertorum (Velen.) G. Garnier, *Bibliographie des Cortinaires. D - O*: 18 (1991)
Cortinarius diasemospermus var. *leptospermus* H. Lindstr.
Cortinarius pertristis J. Favre
Cortinarius ammophilus A. Pearson
E: ! **S:** ! **ROI:** !
H: On soil with *Salix* spp. in a range of habitats including woodland, coastal sand and montane peat.
Move the three taxa listed above, all previously included with separate entries in CBIB, to the synonymy of this species following the molecular analysis in Liimatainen *et al*. [*Fungal Diversity* 104:291-331 (2020)] with further details available in Kibby & Tortelli (2021).

Cortinarius diabolicorigens Bohus, *Annls hist.-nat. Mus. natn. hung.* 68: 56 (1976)
E: !
H: English collection on soil in broadleaved woodland (*Betula*, *Corylus* and *Quercus*).
A collection (2020) from West Kent (Hartley Wood) determined as this based on a comparison of its barcode sequence with that of the type (G.G. Kibby, M. Tortelli & K. Liimatainen).

Cortinarius diabolicus (Fr.) Fr., *Epicr. syst. mycol.* (Upsaliae): 285 (1838) [1836-1838]
E: !
H: In soil near *Betula*.
Move from 'excluded' list and delete existing **Notes**. A collection (2015) in K from West Kent (Shorne Woods Country Park) sequenced and determined by K. Liimatainen & T. Niskanen.

Cortinarius diasemospermus Lamoure
Move to synonymy of *C. pilatii* (q.v.) and delete second sentence of **Notes**.

Cortinarius diasemospermus var. leptospermus H. Lindstr.
Move to the synonymy of *C. desertorum* (q.v.).

Cortinarius distortus Kauffman, *N. Amer. Fl.* (New York) 10(5): 319 (1932)
S: !
H: Scottish collection on soil under *Pinus sylvestris* and *Betula*.
A collection (2023) from Morayshire (Nethy Bridge) determined by matching its ITS sequence (99.8% similarity) with a sequence derived from the holotype (M. Tortelli, C.V. Soler, G.G. Kibby, Aberystwyth University IBERS).

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 ectypus J. Favre, *Ergebn. wiss. Unters. schweiz. NatnParks* 6(42): 513 (1960)
S: !
H: In woodland soil near *Picea* and *Pinus*.
A collection (2018) in K from East Perthshire (Kindrogan), determined as this based on a comparison of its ITS sequence with that of the type (K. Liimatainen).

Cortinarius eliae Bidaud, Moënne-Locc. & Reumaux, in Bidaud, Moënne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires* (Meyzieu) 8: 292 (1996)
S: !
H: French holotype collection on soil near hedgerow *Quercus*; British collection near *Picea abies*.
A collection from Scotland, determined as this based on a comparison of its ITS sequence (A. Taylor & K. Liimatainen) with that of the holotype. Further details in Tortelli & Kibby [FM 21(2): 43-70 (2020)].

Cortinarius epipurrus Chevassut & Rob. Henry, *Docums Mycol.* 8(no. 32): 72 (1978)
E: !
H: On soil near near *Betula*, *Quercus*, *Fagus*.
Two collections (2019) at K from West Kent (Hayes Common) determined as this by matching their ITS sequences, obtained by the collector, with that of the type (K. Liimatainen unpubl.).

Cortinarius 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 erubescens M.M. Moser
Move to 'excluded' list.

Cortinarius eucaeruleus Rob. Henry, *Doc. Mycol.* 20(77): 69 (1989)
E: !
H: In chalky soil near broadleaved trees.
Collections originally determined as *C. terpsichores* and redetermined as this based on DNA evidence were reported in Tortelli & Kibby [FM21(2): 43-70 (2020)].

Cortinarius fagetorum M.M. Moser
Move to 'excluded' list.

Cortinarius falsosus Moënne-Locc. & Reumaux, in Bidaud, Moënne-Loccoz, Reumaux, Carteret & Eyssartier, *Atlas des Cortinaires* (Meyzieu) 11: 572 (2001)
E: !
H: On soil of mossy bank near 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 famatus Moënne-Locc. & Reumaux, in Bidaud, Moënne-Loccoz, Reumaux, Carteret & Eyssartier, *Atlas des Cortinaires* (Meyzieu) 11: 572 (2001)
E: !
H: English collection on soil under *Fagus*.
A collection (2020) from South Essex (Epping Forest) determined as this based on a comparison of its barcode sequence with that of the type (G.G. Kibby, M. Tortelli & K. Liimatainen).

Cortinarius fasciatus Fr.
Move to 'excluded' list.

Cortinarius fennoscandicus Bendiksen, K. Bendiksen & Brandrud, *Sommerfeltia* 19: 22 (1993)
E: !
H: In soil near *Betula.*
A collection (2010) in K from South Aberdeen (Inverey Flats), originally determined as *C. septentrionalis* (q.v.), and redetermined based on a comparison of its ITS sequence with that of the holotype (K. Liimatainen).

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 flabellus (Fr.) Fr.
Move from synonymy of *C. flexipes* var. *flabellus* to head of the entry. Move *C. furfuraceus* from the included list and add to the synonymy following the taxonomy in Liimatainen *et al*. [*Fungal Diversity* 104:291-331 (2020)].

Cortinarius flavovirens Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 55(2): 182 (1939)
E: !
H: English collection in soil near *Carpinus betulus*.
One collection (2018) in K from East Kent (Putt Wood) determined as this based on a comparison of its ITS sequence (A.Yu. Biketova, LGC, K. Liimatainen) and that generated from two collections of this sensu Garnica *et al*. (no ex-type sequences currently available).

Cortinarius flexibilifolius Carteret, in Bidaud, Carteret, Eyssartier, Moënne-Loccoz & Reumaux, *Atlas des Cortinaires* (Meyzieu) 14: 906 (2004)
E: ! **W:** !
H: In soil near *Quercus.*
Two collections (2002 and 2007) in K respectively from Surrey (Kew Gardens), originally determined as *C.* cf. *obtusus*, and Radnorshire (Glasbury), originally determined as *C. acutus*. Redeterminations based on a comparison of their ITS sequences with that of the holotype (K. Liimatainen).

Cortinarius flexipes *var.* flabellus
Move to synonymy of *C. flabellus* which now heads this entry.

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)].
The three sequenced collections previously documented as this in CBIB were determined using a reference sequence which is no longer regarded as representing the holotype of *C. fulvaureus*. As stated previously, the three sequences also matched those derived from the holotypes of *C. rimosofissus* and *C. roseonudipes*. As the interpretation of the former reference sequence is now facing similar issues, the name *C. roseonudipes* (q.v.) is therefore currently regarded as the safest option to use (K. Liimatainen pers. comm.).

Cortinarius fulvopaludosus Kytöv., Niskanen & Liimat., in Liimatainen, *Index Fungorum* 344: 1 (2017)
W: !
H: Welsh collection in soil under *Quercus* with *Fagus*.
A collection (2022) from Caernarvonshire (Glynllifon Park) determined by comparing its ITS sequence (Alvalab) with that of the holotype.

Cortinarius furfuraceus Rob. Henry ex Bidaud, in Bidaud, Moënne-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 furfuraceus Rob. Henry ex Bidaud
Move to the synonymy of *C. flabellus* (q.v.).

Cortinarius fuscogracilescens A. Favre, *Journal des JEC*, Journées Européenes du Cortinaire 12(no. 11): 50 (2009)
E: !
H: In soil with *Quercus robur*.
A collection (2021) in K from Middlesex (Bushy Park) determined as this based on a comparison of its ITS sequence (Avalab) with that of the holotype and confirmed by K. Liimatainen.

Cortinarius fusisporus Kühner
Move to 'excluded' list. The single collection (2005) in K from Worcestershire (Halesowen) originally determined as *C. fusisporus* and supporting its CBIB inclusion has been redetermined as *C. desertorum* after matching the derived ITS sequence with that of the holotype (K. Liimatainen).

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

Cortinarius geniculatus Bidaud, in Bidaud, Bellanger, Carteret, Reumaux & Moënne-Loccoz, *Atlas des Cortinaires* (Meyzieu) 22: 1884 (2014)
E: !
H: In soil under *Fagus*.
A collection (2022) in K from Buckinghamshire (Gussetts Wood) determined by comparing its ITS sequence (E. Janke, K. Liimatainen) with that of the holotype.

Cortinarius geraniolens Bidaud, in Bidaud, Moënne-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 glabrellus Kauffman, *J. Mycol.* 13(1): 35 (1907)
E: !
H: In soil near *Betula.*
Two collections (2004 & 2012) in K respectively from East Sussex (Abbot's Wood), originally determined as *C. bulbosus*, and from Surrey (Lightwater), originally determined as *C. subbalaustinus*. Redeterminations based on a comparison of their ITS sequences with that of the holotype (K. Liimatainen).

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 glaphurus Chevassut & Rob. Henry, *Docums Mycol.* 12(no. 47): 78 (1982)
E: !
H: In soil with *Fagus*.
Occurrence in Britain verified by analysis of a barcode sequence (originally determined as *C. paranomalus*, now recognised as

a younger synonym) and published in Liimatainen *et al*. [*Fungal Diversity* 104:291-331 (2020)] with further details available in Kibby & Tortelli (2021).

Cortinarius habros Bojantchev, Dima, Liimat., Niskanen & L. Albert, *Journal des J.E.C. no 24*: 16 (2022)
E: !
H: In broadleaved woodland soil, usually with *Quercus*.
Described with three sequenced English paratypes in K. These were originally determined as *C. aprinus* collected in 2000 from West Kent (Darenth Wood), in 2011 from North Somerset (Goblin Combe) and in 2013 from Huntingdonshire (Paxton Pits).

Cortinarius heatherae Overall, in Hyde *et al*., *Fungal Diversity* 100: 249 (2020)
E: !
H: English collections on calcareous soil near *Quercus* and *Salix*.
New record. Described with sequenced English holotype and paratypes, now in K, collected in Middlesex (Heathrow area). Further details in Overall [FM21(3): 79-81 (2020)].

Cortinarius hedyaromaticus C.L. Cripps & O.K. Mill., *Mycotaxon* 50: 316 (1994)
E: !
H: English collection in sandy woodland soil near *Betula* and *Castanea* (although usually associated with *Populus*).
A collection (2019) in K from East Sussex (Guestling Wood) was determined as this based on matching its barcode sequence with that derived from the type (D-H. Wang, K. Liimatainen).

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 hinnuleoarmillatus Reumaux, in Reumaux & Moënne-Loccoz, *Bull. trimest. Féd. Mycol. Dauphiné-Savoie* 29(no. 113): 24 (1989)
E: !
H: In soil with grass under *Salix* and *Corylus*.
A collection (2020) from Buckinghamshire (Rushbeds Wood), determined as this based on a comparison of its ITS sequence (P. Cullington, E. Janke) with that of the holotype.

Cortinarius hirtus (Velen.) G. Garnier, *Bibliographie des Cortinaires. D - O*: 125 (1991)
E: ! **S:** !
H: English collection on soil in broadleaved woodland (*Betula*, *Corylus*, *Fagus* and *Quercus*) and Scottish one in *Picea* plantation.
Collections (2020 & 2017) respectively from Buckinghamshire (Mousells Wood) and Caithness (Dunnet Forest) determined as this based on a comparison of their barcode sequences with that of the type (G.G. Kibby, M. Tortelli & K. Liimatainen).

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 hydrotelamonioides Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 85(4): 442 (1970) [1969]
Move entry currently headed by *C. macropodius* to synonymy of this. Move *C. pseudoprivignus* from 'excluded' list and include in synonymy. Replace **Notes** with "A single collection (2003) at K from West Norfolk (Holkham Meals) originally determined as *C. malachius* and initially redetermined as *C. macropodius* based on a comparison of its barcode sequence with that of the holotype (K. Liimatainen). However, *C. macropodius* is an invalid name and its current name is *C. hydrotelamonioides* as documented in Liimatainen *et al*. [*Fungal Diversity* 104: 291-331 (2020)]."

Cortinarius illibatus Fr.
Move *C. subdelibutus* (an illegitimate name) from the synonymy of this to the synonymy of *C. myxo-anomalus* based on a comparison of ITS barcode sequences from *C. subdelibutus* holotype and *C. myxo-anomalus* syntype. Move *C. illibatus* to 'excluded' list

Cortinarius imbutus Fr.
Move to 'excluded' list.

Cortinarius impolitus Kauffman, *Publications Mich. geol. biol. Surv.*, Biol. Ser. 5 26: 419 (1918)
E: !
H: In soil in mixed woodland.
A single collection (2005) in K from Worcestershire (Halesowen) originally determined as *C. fusisporus*. Redetermined after matching the derived ITS sequence with that of the holotype of *C. impolitus* (K. Liimatainen).
Cortinarius impolitus Kauffman
Move to 'excluded' list following the introduction of this name in UD10. The single collection (2005) in K from Worcestershire (Halesowen) originally determined as *C. fusisporus* then redetermined as *C. impolitus* is now redetermined after matching the derived ITS sequence with that of the holotype of *C. desertorum* (K. Liimatainen).

Cortinarius incisior Bidaud, Moënne-Locc. & Reumaux, in Bidaud, Moënne-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 intempestivus Moënne-Locc. & Reumaux, in Bidaud, Moënne-Loccoz, Reumaux, Carteret & Eyssartier, *Atlas des Cortinaires* (Meyzieu) 11: 573 (2001)
E: !
H: In soil.
A collection (1985) in K from West Lancashire (Gait Barrows) determined by matching its barcode sequence (D-H. Wang, K. Liimatainen) with that of the holotype.

Cortinarius jacobi-langei Bidaud, in Bidaud, Moënne-Loccoz, Reumaux, Carteret & Eyssartier, *Atlas des Cortinaires* (Meyzieu) 17(1): 1176 (2008)
W: !
H: In soil in deciduous woodland.
A single collection (2001) in K from Merionethshire (Coed Llyn Mair) originally determined as *C. erubescens* (q.v.). Redetermined after matching the derived ITS sequence (identical) with that of the holotype of *C. jacobi-langei* (K. Liimatainen).

Cortinarius lacustris Moënne-Locc. & Reumaux, in Bidaud, Moënne-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 leiocastaneus Niskanen, Liimat. & Soop
Move to 'excluded' list.
Cortinarius leiocastaneus Niskanen, Liimat. & Soop
E: !
H: English collection on calcareous soil and associated with *Fagus*.
Move from 'excluded' list (delete associated **Notes**). A collection (2021) in K from Surrey (Sheepleas) determined as this by matching its barcode sequence (Alvalab) with that of the holotype (identical).

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 leproleptopus Chevassut & Rob. Henry, *Docums Mycol.* 19(no. 73): 47 (1988)
E: !
H: English collection on soil in broadleaved woodland.
A collection (2020) from East Kent (Putt Wood) determined as this based on a comparison of its ITS sequence (Alvalab, J.-M. Bellanger, K. Liimatainen & P.-A. Moreau) with that obtained from the holotype.

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 leucoluteolus Rob. Henry
Cortinarius emollitoides Bidaud, Moënne-Locc. & Reumaux, in Bidaud, Moënne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires* (Meyzieu) 10: 491 (2000)
Mis.: *Cortinarius galeobdolon* sensu auct. Brit.
Mis.: *Cortinarius causticus* sensu NCL, sensu auct. mult.
Add the above synonymy and misdeterminations which, for *C. emollitoides* and *C. leucoluteolus*, 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. leucoluteolus* 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 lignicola Bidaud, in Bidaud, Moënne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires* (Meyzieu) 6: 190 (1994)
E: !
H: English collection on soil amongst needles & rotten wood of *Picea abies*.
A collection (2009) in K from Dorset (Ashmore) originally determined as *C. sommerfeltii* (q.v.) and redetermined based on a comparison of its ITS sequence with that of the holotype (K. Liimatainen).

Cortinarius lilacinovelatus Reumaux & Ramm, in Bidaud, Moënne-Loccoz, Reumaux, Carteret & Eyssartier, *Atlas des Cortinaires* (Meyzieu) 11: 613 (2001)
E: !
H: On chalky soil.
A collection (2019) at K from East Kent (Stockbury) determined as this by M. Tortelli with advice from T.G. Frøslev & T.S. Jeppesen.

Cortinarius lindstroemii Niskanen, Kytov. & Liimat., in Niskanen, *Index Fungorum* 438: 1 (2020)
Mis.: *Cortinarius flexipes* var. *flabellus* sensu auct.
?
H: In woodland soil.
Occurrence in Britain verified by matching barcode sequence(s) with that of the holotype fide Kibby & Tortelli (2021).

Cortinarius luhmannii Münzmay, Saar & B. Oertel, *Journal des JEC*, Journées Européenes 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): fiw045 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 luteocingulatus Bidaud & Fillion, *Bull. trimest. Féd. Mycol. Dauphiné-Savoie* 31(no. 124): 9 (1992)
Mis.: *Cortinarius variiformis* sensu auct. Brit.
Mis.: *Cortinarius varius* sensu auct. Brit.
E: !
H: English collection on calcareous soil with *Quercus* and *Carpinus*.
A collection (2020) from East Kent (Badgin Wood) determined as this based on morphological evidence and documented in Kibby & Tortelli (2021). It is likely that the single collection (2004) in K from East Kent (Jumping Downs) which supported the inclusion of *C. variiformis* (now excluded) also represents this.

Cortinarius macropodius Rob. Henry, *Bull. trimest. Soc. mycol.* Fr. 77(2): 131 (1961)
E: !
H: On sandy soil in coastal dunes.
A single collection (2003) at K from West Norfolk (Holkham Meals) originally determined as *C. malachius* (redet. based on ITS data analysis, K. Liimatainen unpubl.).
This name was invalidly published. Move to synonymy of *C. hydrotelamonioides* (q.v.).

Cortinarius maculatocaespitosus Bidaud, in Bidaud, Moënne-Loccoz, Reumaux & Carteret, *Atlas des Cortinaires* (Meyzieu) 18(1, 2): 1376 (2009)
E: !
H: English collections in soil near *Fagus* or *Quercus*.
Three collections (1973-1991) in K from South Hampshire (New Forest) and West Sussex (Goodwood), originally determined as *C. infractus*, were redetermined as this based on a comparison of their ITS sequences (D-H. Wang, K. Liimatainen) with that of the holotype.

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 malachioides P.D. Orton
S: !
H: In soil in coniferous or *Betula* woodland.
Move from synonymy of *C. malachius* and recognise once again as a distinct species with the above details. Replace **Notes** with: "Orton's holotype has now been sequenced and shown to be distinct in Brandrud *et al*. [*Mycol. Prog*. 17(12): 1323-1354 (2018)]. Based on ITS sequence data (K. Liimatainen), collections of this in K (1955 and 2018) have been recognised from respectively Easterness (Loch an Eilein, holotype) and South Aberdeenshire (Morrone Birkwood)."

Cortinarius mammillatus Kałucka, Kytöv., Niskanen & Liimat., in Boonmee *et al*., *Fungal Diversity* 13: 10.1007/s13225-021-00489-3, [238] (2021)
S: !
H: Scottish collection on soil beneath *Picea* sp. in conifer plantation.
A sequenced paratype collection (2018) in K from West Sutherland (Woodcock Hill Plantation). A matching DNA sequence generated from an ectomycorrhizal root tip of native Scottish *Pinus sylvestris* is also reported in Boonmee *et al*. (2021).

Cortinarius megacystidiosus Reumaux, in Bidaud, Carteret, Reumaux & Moënne-Loccoz, *Atlas des Cortinaires* (Meyzieu) 20: 1574 (2012)
E: !
H: English collection on soil near *Fagus sylvatica*.
A collection (2018) at K from West Kent (High Elms) confirmed as this by matching its barcode sequence with that of the holotype (K. Liimatainen unpubl.).

Cortinarius melanotus Kalchbr.
E: !
H: In soil near *Fagus sylvatica*.
Move from 'excluded' list. Add the above details and replace **Notes** with: "A collection (2004) in K from South Hampshire (Buskett's Wood) originally determined as *C. venetus*. Redetermined after matching the derived ITS sequence (identical) with that of the neotype of *C. melanotus* (K. Liimatainen)."

Cortinarius metarius Kauffman, *Pap. Mich. Acad. Sci.* 1: 137 (1921)
E: !
H: In mixed woodland including *Fagus* and *Betula* on chalk.
A collection (2021) in K from Surrey (White Downs) determined by matching its barcode sequence (Alvalab) with that of the holotype (identical).

Cortinarius multiformis Fr.
S: !
H: Scottish collection associated with *Picea*.
Move from 'excluded' list (delete associated **Notes**). A collection (2020) at K from Morayshire (Nethy Bridge) determined as this by matching its barcode sequence with that of the neotype. Further details in Tortelli & Kibby [FM 21(2): 43-70 (2020)] and in Kibby & Tortelli (2021).

Cortinarius multiformium Consiglio & Moënne-Locc., *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 muscicola Liimat., Danhao Wang, D. Savage & Niskanen, in Liimatainen, Wang, Savage, Niskanen & Kytövuori, *Index Fungorum* 524: 2 (2022)
S: !
H: In soil associated with conifers (mixed *Picea* and *Pinus* with *Sphagnum* in Scotland).
Described with a sequenced Scottish holotype, now in K, collected in 2019 from Caithness (Chracairnie Plantation).

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.).
Move *C. subdelibutus* (an illegitimate name) from the synonymy of *C. illibatus* to the synonymy of this based on a comparison of ITS barcode sequences from *C. subdelibutus* holotype and *C. myxo-anomalus* syntype.

Cortinarius neofallax Carteret & Reumaux, in Bidaud, Carteret, Eyssartier, Moënne-Loccoz & Reumaux, *Atlas des Cortinaires* (Meyzieu) 14: 907 (2004)
E: !
H: In periodically inundated soil near *Populus tremula*.
A collection (2004) in K from Buckinghamshire (Rushbeds Wood) determined by matching its barcode (ITS1) sequence (D-H. Wang, K. Liimatainen) with that of the holotype (identical).

Cortinarius nigrocuspidatus Kauffman, *Pap. Mich. Acad. Sci.* 1: 138 (1921)
Cortinarius striaepilus J. Favre
S: !
H: In soil in mixed woodland.
Move *C. striaepilus* from 'excluded' list and include in synonymy. Insert **Notes**: "A collection (2020) from Morayshire (Boat of Garten) determined as this by matching its barcode sequence (Alvalab) with that of reference sequences in Liimatainen *et al*. [*Fungal Diversity* 104:291-331 (2020)]. Further details in Kibby & Tortelli (2021)."

Cortinarius nigromammosus Reumaux, in Bidaud, Carteret, Eyssartier, Moënne-Loccoz & Reumaux, *Atlas des Cortinaires* (Meyzieu) 14: 907 (2004)
E: !
H: On sandy soil near *Pinus nigra.*
A single collection (2003) in K from West Norfolk (Holkham Meals) originally determined as *C. fasciatus* (q.v.) (redet. based on ITS data analysis, K. Liimatainen unpubl.).

Cortinarius nucicolor Liimat., Niskanen & Kytöv., in Liimatainen, *Index Fungorum* 198: 2 (2014)
E: !
H: English collection on calcareous soil and associated with broadleaved trees.
A collection (2021) in K from East Kent (Badgin Wood) determined as this by matching its barcode sequence (Alvalab) with that of the holotype.

Cortinarius nymphicolor Reumaux, in Bidaud, Moënne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires*, Pars V (Annecy): 151 (1993)
Cortinarius rickenianus Maire, nom. inval.
The name to be used for the species formerly known in Britain as *C. rickenianus* but which was invalidly published by Maire as stated in Tortelli & Kibby [FM21(2): 43-70 (2020)] and Henrici [FM21(4): 147-149 (2020)].

Cortinarius obsoletus Kühner, *Bull. mens. Soc. linn. Soc. Bot. Lyon* 24(2): 39 (1955)
Included based on statements in Tortelli & Kibby [FM21(2): 43-70 (2020)] and Henrici [FM21(4): 147-149 (2020) that the collection shown in Ph: 128, and determined therein as *C. fraudulosus*, is misdetermined and represents this species.

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 ominosus Bidaud, in Bidaud, Moënne-Loccoz, 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 ovatosporus Rob. Henry, in Bidaud, Carteret, Eyssartier, Moënne-Loccoz & Reumaux, *Atlas des Cortinaires* (Meyzieu) 13: 789 (2003)
E: ! **S:** !
H: French collections are on calcareous soil with *Picea*.
This species was originally described in 1968 by R. Henry based on a collection from England (Windsor Forest) but the publication was invalid because a type was not indicated. In the validating publication (2003), a collection from an unknown source which was preserved in Herb. PC as Hry. 972 was designated as the holotype, along with three French paratypes, but the relationship between the holotype and the Windsor Forest collection was not explained. In listing this species as present in England, we are assuming, therefore, that the Windsor Forest collection is conspecific with the holotype. There is a Scottish collection determined as this based on matching its ITS sequence (A.S. Taylor & K. Liimatainen) with that obtained from one of the paratypes.

Cortinarius pallidostriatoides Moënne-Locc. & Reumaux, in Bidaud, Carteret, Eyssartier, Moënne-Loccoz & Reumaux, *Atlas des Cortinaires* (Meyzieu) 13: 789 (2003)
W: !
H: In soil.
A collection (1988) in K from Caernarvonshire (Betws-y-coed), originally determined as *C. umbonatus*, and redetermined based on a comparison of its ITS sequence with that of the holotype (K. Liimatainen). This is *C. obtusus* s.l.

Cortinarius paralbocyaneus Eyssart., in Bidaud, Carteret, Eyssartier, Moënne-Loccoz & Reumaux, *Atlas des Cortinaires* (Meyzieu) 12: 693 (2002)
E: !
H: In soil near *Betula.*
A collection (1998) in K from Berkshire (Dry Sandford Pit), originally determined as *C. alboviolaceus*, and redetermined based on a comparison of its ITS sequence with that of the holotype (K. Liimatainen).

Cortinarius parasuaveolens (Bon & Trescol) Bidaud, Moënne-Locc. & Reumaux, *Bulletin Semestriel de la Fédération des Associations Mycologiques Méditerranéennes* 18: 23 (2000)
E: !
H: English collection on soil in broadleaved woodland.
A collection (2020) from East Kent (Badgin Wood) determined as this based on a comparison of its ITS sequence (Alvalab & K. Liimatainen) with that obtained from the type.

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 pelerinii Bellanger, Carteret & Reumaux, *Atlas des Cortinaires* (Meyzieu) 21: 1788 (2013)
E: !
H: In soil.
A collection (1960) in K from Mid-west Yorkshire (Ilkley Moor) determined by matching its barcode sequence (D-H. Wang, K. Liimatainen) with that of the holotype (identical).

Cortinarius persoonianus Bidaud, in Bidaud, Moënne-Loccoz, Reumaux & Carteret, *Atlas des Cortinaires* (Meyzieu) 18(1, 2): 1376 (2009)
E: !
H: English collection in soil under *Tilia*.
A collection (1991) in K from Surrey (Norbury Park), originally determined as *C. infractus*, was redetermined as this based on a comparison of its ITS sequence (D-H. Wang, K. Liimatainen) with that of the holotype.

Cortinarius pertristis J. Favre
Move to the synonymy of *C. desertorum* (q.v.).

Cortinarius phaeochrous J. Favre, *Ergebn. wiss. Unters. schweiz. NatnParks* 5(no. 33): 204 (1955)
S: !
H: In soil under *Arctostaphylos uva-ursi* on an exposed coastal moorland.
A collection (2016) in K from West Sutherland (Druim Chuibhe) determined by matching its barcode sequence (D-H. Wang, K. Liimatainen) with that of the holotype (identical).

Cortinarius phaeophyllus P. Karst.
Move to 'excluded' list.

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 phaeosmus Rob. Henry
E: !
H: English collections on soil near *Fagus* and *Quercus*.
Move from 'excluded' list. Two collections (2019) in K from Buckinghamshire (Marlow Common) confirmed as this by matching their barcode sequences (A.Yu. Biketova, LGC, K. Liimatainen) with that of the holotype (identical).

Cortinarius pilatii Svrček, *Česká Mykol.* 22(4): 274 (1968)
New heading for entry currently headed by *C. diasemospermus* (which now becomes a synonym sensu CFP) based on ITS sequence analysis (K. Liimatainen).

Cortinarius poppyzon Melot
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 pruinatus Bidaud, Moënne-Locc. & Reumaux, in Bidaud, *Docums Mycol.* 23(no. 90): 46 (1993)
E: !
H: On soil near *Carpinus betulus.*
A collection (2014) in K from South Wiltshire (Stourhead Estate), determined as this based on a comparison of its ITS sequence with that of the holotype (K. Liimatainen).

Cortinarius psammocephalus (Bull.) Fr.
Move to 'excluded' list.

Cortinarius pseudodaulnoyae Rob. Henry & Ramm, *Docums Mycol.* 21(no. 83): 54 (1991)

Move entry currently headed by *C. squamosocephalus* to synonymy of this. Replace **Notes** with "Collections (2017 & 2006) at K respectively from East Kent (Rice Wood) and Surrey (Vann Lake) redetermined as this and confirmed following a comparison of their barcode sequences with that of the holotype of *C. squamosocephalus* (K. Liimatainen). Bidaud & Bellanger [*Journal des J.E.C.* No. 18: 13-23 (2016)] have shown that the sequence from this holotype matches that derived from their epitype of *C. pseudodaulnoyae*, which therefore provides an earlier name."

Cortinarius pseudofallax Carteret, in Bidaud, Carteret, Eyssartier, Moënne-Loccoz & Reumaux, *Atlas des Cortinaires* (Meyzieu) 14: 907 (2004)
E: !
H: On soil near *Betula* and *Carpinus.*
A collection (2005) in K from Surrey (Fairmile Common) originally determined as *C. parvannulatus* (redet. based on ITS data analysis, K. Liimatainen) and a sequenced 2019 collection in K from East Kent (Putt Wood).

Cortinarius pseudofusisporus Bidaud, in Bidaud, Moënne-Loccoz, Reumaux & Carteret, *Atlas des Cortinaires* (Meyzieu) 19: 1507 (2010)
E: !
H: English collection on soil near *Betula*, *Carpinus* and *Salix*.
A collection (2020) from East Kent (Putt Wood) determined as this based on a comparison of its ITS sequence (Alvalab & K. Liimatainen) with that obtained from the type.

Cortinarius puellaris Brandrud, Bendiksen & Dima, *Agarica* 36: 19 (2015)
E: !
H: On loamy soil overlying chalk in broadleaved woodland near *Tilia.*
A collection (2007) in K from Surrey (Norbury Park), determined as this based on a comparison of its ITS sequence with that of the holotype (K. Liimatainen).

Cortinarius punctatiformis Carteret, in Bidaud, Carteret, Reumaux & Moënne-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 quercoconicus Liimat., Kytöv. & Niskanen
Mis.: *Cortinarius psammocephalus* sensu CFP 4
Add the above misdetermination.

Cortinarius renidens Fr.
Move to 'excluded' list.

Cortinarius rickenianus Maire
An invalid name as stated in Tortelli & Kibby [FM21(2): 43-70 (2020)] and Henrici [FM21(4): 147-149 (2020)]. This species is now known as *C. nymphicolor* (q.v.).

Cortinarius roseipes (Velen.) Reumaux
Move to 'excluded' list.

Cortinarius roseomyceliosus Bidaud, in Bidaud, Moënne-Loccoz, Reumaux & Carteret, *Atlas des Cortinaires* (Meyzieu) 18(1, 2): 1303 (2009)
S: !
H: Scottish collection on soil in *Picea* plantation.
A collection (2021) in K from Morayshire (Nethy Bridge) determined as this by matching its barcode sequence (Alvalab) with that of the holotype (identical).

Cortinarius roseonudipes Rob. Henry & Moënne-Locc., in Bidaud, Moënne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires*, Hors-Serie 1: 150 (1997)
Current name for the specimens formerly determined as *C. fulvaureus* (q.v.).

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 rubrocinctus Reumaux, in Bidaud, Moënne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires* (Meyzieu) 7: 230 (1995)
E: !
H: English collection on soil near *Betula*, *Carpinus* and *Populus*.
A collection (2020) from East Kent (Putt Wood) determined as this based on a comparison of its ITS sequence (Alvalab & K. Liimatainen) with that obtained from the type.

Cortinarius russulaespermus Carteret, in Bidaud, Carteret, Eyssartier, Moënne-Loccoz & Reumaux, *Atlas des Cortinaires* (Meyzieu) 14: 908 (2004)
E: !
H: On soil.
A collection (2018) in K from Middlesex (Heathrow area) determined as this based on an analysis of barcode DNA, obtained by the collector, which matched that of the holotype (K. Liimatainen).

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 scaurotraganoides Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 102(1): 78 (1986)
E: ! S: !
H: English and Scottish collections on soil with broadleaved trees.
A collection (2021) in K from Morayshire (Nethy Bridge) determined as this based on morphological evidence (G.G. Kibby & M. Tortelli) and one (2022) from West Kent (Tudelely Woods) so determined based on a comparison of its ITS sequence (M. Allison, N. Aplin) with that of the holotype.

Cortinarius scaurus var. herpeticus (Fr.) Quél.
Move to synonymy of entry now headed by *C. herpeticus*.

Cortinarius scoticus Niskanen & Liimat., in Hyde *et al.*, *Fungal Diversity* 100: 251 (2020)
S: !
H: In soil of woodlands dominated by *Pinus*.
Described with a sequenced Scottish holotype, now in K, from Mid Perthshire (Black Wood of Rannoch).

Cortinarius semiodoratus Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 109(1): 24 (1993)
E: !
H: In soil near *Quercus ilex*.
Two collections (2000 & 2002) in K from Surrey (Kew Gardens), originally determined respectively as *C. hinnuleus* (s.str.) and *C. safranopes* var. *sublaevispora* (cf.), and redetermined

based on a comparison of their ITS sequences with that of the holotype (K. Liimatainen).

Cortinarius septentrionalis Bendiksen, K. Bendiksen & Brandrud
Move to 'excluded' list.

Cortinarius septentrionalis Bendiksen, K. Bendiksen & Brandrud
W: !
H: Welsh collection in damp soil near *Salix*.
Move from 'excluded' list (delete associated **Notes**). This had been excluded following the redetermination, as *C. fennoscandicus*, of the single voucher collection in K (from South Aberdeen, Inverey Flats), which was supporting its CBIB inclusion (K. Liimatainen). More recently, a collection (2007) at K from Pembrokeshire (Redberth), originally determined as *C. trivialis*, was redetermined as this based on a comparison of its ITS sequence (D-H. Wang, K. Liimatainen) with that of the holotype.

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 sommerfeltii Høil.
S: !
H: Scottish collections from *Picea* plantations.
Amend details as above and replace **Notes** with: "The only collection in K named as this was from Dorset (Ashmore) but this was redetermined based on a comparison of its ITS sequence with that of the holotype of *C. lignicola* (q.v.) (K. Liimatainen). *Cortinarius sommerfeltii* is currently retained in the 'included' list based on a few documented records/collections from Scotland, where it is expected to occur, but this should be verified by sequencing data when possible."

Cortinarius sordescens Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 60: 67 (1944)
E: !
H: In soil near *Carpinus* or *Betula*.
A collection (2018) in K from East Kent (Putt Wood), determined as this based on a comparison of its ITS sequence with that of the holotype (K. Liimatainen).

Cortinarius sphagnicola Carteret & Reumaux, in Bidaud, Carteret, Eyssartier, Moënne-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 sphagnophilus Peck, *Ann. Rep. N.Y. St. Mus. nat. Hist.* 29: 42 (1878) [1876]
Move to head the entry currently under *C. caledoniensis*. The latter name becomes a synonym following Tortelli & Kibby [FM21(2): 43-70 (2020)] and Henrici [FM21(4): 147-149 (2020)].

Cortinarius spisnii Consiglio, D. Antonini & M. Antonini, *Il 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 splendificus Chevassut & Rob. Henry
Move to 'excluded' list.

Cortinarius squameoradicans Bellivier ex Cheype, *Docums Mycol.* 27(no. 106): 18 (1997)
E: !
H: English collections on chalky woodland soil under *Carpinus betulus* with large *Quercus* nearby.
Collections (2018 & 2021) at K from East Kent (Badgin Wood), one originally determined as *C. caligatus* based on morphological characters and documented as such in Tortelli & Pitt [FM20(4): 137-140 (2019)]. Redetermination based on morphological and ecological evidence (M. Tortelli & G.G. Kibby).

Cortinarius squamosocephalus Bidaud, Moënne-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.).
Move to synonymy of *C. pseudodaulnoyae* (q.v.).

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 subbulliardioides Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 85(4): 442 (1970) [1969]
E: !
H: English collections on calcareous soil with *Fagus*.
Two collections (2021) from Surrey (White Downs) and West Kent (Meenfield Wood) determined as this based on a comparison of their ITS sequences (Alvalab) with that obtained from the holotype (identical).

Cortinarius subcastaneus Bidaud & Reumaux, in Bidaud, Moënne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires* (Meyzieu) 10: 515 (2000)
E: !
H: English collection on damp soil in lakeside carr (*Alnus*, *Salix*, *Betula*).
A collection (2019) at K from Nottinghamshire (Clumber Park) determined as this based on a comparison of its ITS sequence (A.Yu. Biketova, LGC, K. Liimatainen) with that obtained from the holotype.

Cortinarius subcoronatus Bidaud, in Bidaud, Moënne-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 subcoronatus Bidaud
Move to synonymy of *C. subturibulosus* (q.v.).

Cortinarius suberythrinus Moënne-Locc., in Reumaux & Moënne-Loccoz, *Bull. trimest. Féd. Mycol. Dauphiné-Savoie* 28(no. 111): 24 (1988)
E: ! **W:** !
H: In soil near broadleaved trees (including *Salix*).

Two collections (2006 and 2011) in K respectively from Carmarthenshire (Burry Port) and South Hampshire (Mockbeggar Lake). Sequenced and originally determined as *C. vernus* under which name it appears in the phylotree in Overall *et al*. [FM16(2): 45-48 (2015)]. Subsequently matched with the ITS sequence of the holotype of *C. suberythrinus* and hence redetermined as this (T. Niskanen).

Cortinarius subgaleroides Rob. Henry
Move to 'excluded' list.

Cortinarius subporphyropus Pilát, *Česká Mykol.* 8(1): 6 (1954)
E: !
H: In sandy soil under a solitary *Quercus robur* in a *Betula* plantation.
A collection (2009) in K from East Suffolk (Minsmere) determined by matching its barcode sequence (D-H. Wang, K. Liimatainen) with that of the holotype.

Cortinarius subsaniosus Liimat. & Niskanen, in Hyde *et al.*, *Fungal Diversity* 100: 252 (2020)
E: !
H: English collection in coastal sand dune soil near *Salix repens*.
Described with a sequenced English holotype, now in K, collected in Westmorland (Sandscale Haws) and originally determined as *C. chrysomallus* (q.v.).

Cortinarius subsedens Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 71(3): 218, 219 (1956) [1955]
E: !
H: In soil near *Castanea sativa*.
A collection (2018) in K from West Kent (Mereworth Woods), determined as this based on a comparison of its ITS sequence with that of the holotype (K. Liimatainen).

Cortinarius subturibulosus Kizlik & Trescol, *Docums Mycol.* 21(no. 83): 41 (1991)
Cortinarius subcoronatus Bidaud
To head the entry formerly headed by *C. subcoronatus*, which becomes a synonym, following the next generation (Illumina) sequencing of the holotype of *C. subturibulosus* reported in Bellanger *et al*. [*Journal des J.E.C. No. 23* : 3-15 (2021)].

Cortinarius sutherlandensis Liimat., D. Savage & Niskanen, in Niskanen & Liimatainen, *Index Fungorum* 528: 2 (2022)
S: !
H: Scottish collection on soil with *Picea*.
Described with a sequenced Scottish holotype in K. This was originally determined as *C. acutus* collected in 2018 from West Sutherland (Woodcock Hill Plantation).

Cortinarius tenuifulvescens Kytöv., Niskanen & Liimat., in Hyde et al., *Fungal Diversity* 80: 232 (2016)
S: !
H: Scottish collection in mossy woodland soil under *Pinus* with nearby *Picea*.
A collection (2020) in K from Caithness (Blingery Plantation) was determined as this based on matching its barcode sequence with that derived from the type (D-H. Wang, K. Liimatainen).

Cortinarius torvoides Rob. Henry, in Bidaud, Moënne-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 transatlanticus Ammirati, Liimat. & Niskanen, in Niskanen, *Index Fungorum* 197: 4 (2014)
S: !
H: Scottish collection in soil in *Polytrichum* beds under *Pinus* and *Larix*.
A collection (2023) from Easterness (Daviot Wood) determined by comparing its ITS sequence (99.6% similarity) with that of the holotype (M. Tortelli, C.V. Soler, G.G. Kibby, Aberystwyth University IBERS).

Cortinarius tugurium Liimat. & Niskanen, in Niskanen & Liimatainen, *Index Fungorum* 528: 1 (2022)
W: !
H: Welsh collection on thin soil overlying limestone with *Corylus*.
Described with a sequenced Welsh holotype in K. This was originally determined as *C. infractus* collected in 2011 from Anglesey (Marian-glas).

Cortinarius ultrodistortus 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 uraceonemoralis Niskanen, Liimat., Dima, Kytöv., Bojantchev & H. Lindstr., in Dima, Liimatainen, Niskanen, Kytövuori & Bojantchev, *Mycol. Progr.* 13(3): 876 (2014)
E: !
H: In soil near *Betula* and *Quercus*.
A collection (1995) in K from South Devon (Stover Park), originally determined as *C. phaeophyllus* (q.v.), and redetermined based on a comparison of its ITS sequence with that of the holotype (K. Liimatainen).

Cortinarius vandervekenianus Verstr. & Gelderblom, *Sterbeeckia* 32: 17 (2013)
E: !
H: In soil.
A collection (2015) in K from East Kent (Putt Wood) sequenced and determined by K. Liimatainen & T. Niskanen.

Cortinarius variiformis Malençon
Move to 'excluded' list as *C. variiformis* sensu auct. Brit. is more likely to refer to *C. luteocingulatus* (q.v.).

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 vicinus Bidaud, Consiglio, D. Antonini & M. Antonini, in Consiglio, Antonini & Antonini, *Il Genere Cortinarius in Italia* 3: C185 (2005)
E: !
H: English collection on clay/sand soil in short mossy grass near *Quercus robur*.
A collection (2020) from East Sussex (Fairlight) determined as this based on a comparison of its ITS sequence with that obtained from an isotype collection (N. Aplin, IBERS, K. Liimatainen). For more details, see Overall [FM22(2): 64-65 (2021)].

Cortinarius vicus Liimat., Danhao Wang & Niskanen, in Liimatainen, Wang, Savage, Niskanen & Kytövuori, *Index Fungorum* 524: 3 (2022)
E: !
H: In soil of mixed woodland with *Fagus sylvatica*.

Described with a sequenced English holotype, now in K, collected in 2008 from North Somerset (Long Sutton Plantation).

Cortinarius vikingus Liimat., Danhao Wang, D. Savage & Niskanen, in Liimatainen, Wang, Savage, Niskanen & Kytövuori, *Index Fungorum* 524: 2 (2022)
S: !
H: In soil associated with *Betula*.
Described with a sequenced Scottish holotype, now in K, collected in 2019 from Caithness (Ousdale).

Cortinarius violaceipes Bidaud & Consiglio, in Bidaud, Moënne-Loccoz, Reumaux, Carteret & Eyssartier, *Atlas des Cortinaires* (Meyzieu) 11: 615 (2001)
E: !
H: English collection on soil under *Carpinus* and *Fagus*.
A collection (2020) from East Kent (Badgin Wood) determined as this based on a comparison of its ITS sequence (Alvalab & K. Liimatainen) with that obtained from the type.

Cortinarius violaceonitens (Rob. Henry) Moënne-Locc., in Bidaud, Moënne-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 violaceopapillatus Bidaud, in Bidaud, Moënne-Loccoz, Reumaux & Carteret, *Atlas des Cortinaires* (Meyzieu) 19: 1509 (2010)
E: !
H: In soil with *Fagus*.
Occurrence in Surrey verified by matching barcode sequence(s) with that of the holotype fide Kibby & Tortelli (2021).

Cortinarius viridiflavus Ammirati, Bojantchev, Liimat. & Niskanen, in Niskanen, *Index Fungorum* 197: 4 (2014)
E: ! **W:** !
H: In soil near conifers (including *Picea* and *Pinus*).
Two collections (1998 and 2000) in K respectively from Cardiganshire (Hafod) and East Cornwall (Cabilla Wood) and respectively originally determined as *C. fervidus* and *C. malicorius*. Subsequently matched with the ITS sequence of the holotype of *C. viridiflavus*, but with a few differences, and hence this was redetermined as *C. viridiflavus* s.l. (K. Liimatainen).

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.

Cortinarius xantholamellatus Bidaud, in Bidaud, Moënne-Loccoz, Carteret, Reumaux & Eysssartier, *Atlas des Cortinaires* (Meyzieu) 15: 1033 (2005)
E: !
H: In soil in *Fagus sylvatica* plantation.
A collection (2008) in K from North Somerset (Long Sutton Plantation) determined by matching its barcode sequence (D-H. Wang, K. Liimatainen) with that of the holotype.

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, Rocabruna, 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 futher 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."

CRUENTOMYCENA R.H. Petersen, Kovalenko & O.V. Morozova, *Mycotaxon* 105: 123 (2008)

Type: *Cruentomycena viscidocruenta* (Cleland) R.H. Petersen & Kovalenko

viscidocruenta (Cleland) R.H. Petersen & Kovalenko, *Mycotaxon* 105: 123 (2008)
E: ! **NI:** !
H: UK collections on fallen wood and litter of *Eucalyptus*, *Fagus* and *Ulex*.
A collection (2021) in K from West Cornwall (Tresco) determined as this based on morphology (P. Penna). There is also a record in 2021 from County Down (Castlewellan Forest Park). For further details, see Penna [FM23(4): 113-114 (2022)].

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.

CRYPTOMARASMIUS T.S. Jenkinson & Desjardin, in Jenkinson, Perry, Schaefer & Desjardin, *Mycologia* 106(1): 91 (2014)

Type: *Cryptomarasmius corbariensis* (Roum.) T.S. Jenkinson & Desjardin
The following change from *Marasmius* is required following the molecular analysis in Jenkinson *et al.* [*Mycologia* 106(1): 86-94 (2014)].

corbariensis (Roum.) T.S. Jenkinson & Desjardin, in Jenkinson, Perry, Schaefer & Desjardin, *Mycologia* 106(1): 91 (2014)
E: ! **W:** ! **NI:** ! **ROI:** !
H: British and Irish collections on dead leaves of *Hedera* or ?*Hedera*.
Amend entry as above and replace **Notes** with: "Irish collection (1979) and English collection (2018) in K respectively from Cork (near Millstreet) and West Cornwall (Illogan Woods). For further details of collections from England and Ireland, see Henrici [FM19(3): 105-107 (2018)] and for those of Welsh collections, see Aron [FM21(3): 82-84 (2020)]."

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

Type: *Cuphophyllus pratensis* (Fr.) Bon

Cuphophyllus atlanticus J.B. Jordal & E. Larss., *Agarica* 42: 41 (2021)
Mis.: *Cuphophyllus canescens* sensu auct. Brit.
Mis.: *Hygrocybe canescens* sensu auct. Brit.
S: !
H: On acidic to moderately calcareous soil in unimproved grazed or cut grassland.
Replace entry for *C. canescens* with the above and replace **Notes** with: "Two collections (2005 & 2012) in K respectively from Caithness (Dunbeath Strath) and Clyde Isles (Dun Hill of Glenmore), both determined as *C. canescens*, and one (2000) in E from Selkirkshire (Quaveburn), determined as *Hygrophorus lacmus*, were sequenced and redetermined as this based on a comparison of their barcodes with that derived from the holotype (B.T.M. Dentinger *et al.*). All historic British records of *Hygrocybe canescens* should be renamed as this unless DNA evidence to the contrary is available. For further details regarding the distribution of *C. canescens*, see Jordal & Larsson [*Agarica* 42: 39-48 (2021)].

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*. [See entry for *C. atlanticus* for updated interpretation].

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*.

virgineus (Wulfen) Kovalenko, in Nezdoĭminogo, *Opredelitel' Gribov SSSR* (Leningrad): 37
Name changed from *Hygrocybe virginea*.

Cyphellostereum laeve (Fr.) D.A. Reid
Name changed to *Muscinupta 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.

Dermoloma alexandri Consiglio, in Contu, Consiglio & Setti, *Micol. Veg. Medit.* 22(2): 84 (2008) [2007]
W: !
H: In grassland soil.
A collection (2021) in K from Pembrokeshire (Angle) determined as this based on a comparison of its ITS sequence with that of the holotype (D.J. Harries).

Dermoloma atrocinereum (Pers.) P.D. Orton
W: !
H: In grassland soil.
Remove from synonymy of *D. cuneifolium* and recognise as a separate species based on a comparison of a DNA barcode sequence generated from a 2014 collection from Pembrokeshire (Upton Castle) with that obtained from the Italian neotype. For further details, see Sánchez-García *et al.* [*Mycol. Prog.* 20: 11-25 (2021)].

Dermoloma bellerianum Bon, *Docums Mycol.* 28(nos 109-110): 6 (1998)
W: !
H: In grassland soil.
Recognised sensu Sánchez-García *et al.* [*Mycol. Prog.* 20: 11-25 (2021)] based on a comparison of DNA sequences generated from a 2014 collection from Pembrokeshire (Upton Castle) with those obtained from other European collections. For further details, see Sánchez-García *et al.* [*Mycol. Prog.* 20: 11-25 (2021)], who were unable to obtain corresponding DNA sequences from the holotype specimen.

Dermoloma phaeopodium P.D. Orton
Dermoloma josserandii var. *phaeopodium* (P.D. Orton) Arnolds
E: !
H: In grassland soil.
Remove from synonymy of *D. josserandii* var. *phaeopodium* to the head of that entry. Replace **Notes** with: "Recognised at specific rank based on phylogenetic placement of a DNA barcode sequence generated from the English holotype (Devon, Membury). For further details, see Sánchez-García *et al.* [*Mycol. Prog.* 20: 11-25 (2021)].

DESCOLEA Singer emend. Kuhar, Nouhra & M.E. Smith.

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

alba (Berk.) Kuhar, Nouhra & M.E. Sm., in Kuhar, Smith, Mujic, Truong & Nouhra, *Fungal Biology* 121(10): 883 (2017)
Hymenogaster albus Berk., *Ann. Mag. nat. Hist.*, Ser. 1 13: 349 (1844)
Descomyces albus (Berk.) Bougher & Castellano, *Mycologia* 85(2): 280 (1993)
Add to **Notes:** Previously listed in CBIB (and BritTruff) as *Hymenangium album* Klotzsch 1839 but this name is based on Bulliard's *Tuber album* and is regarded as a misapplication, as

was Berkeley's earlier (1836) usage of *Rhizopogon albus*. The rationale for citing *Hymenogaster albus* Berk. as basionym is fully explained in Bougher [*Mycotaxon* 108: 313–318. (2009)] and summarised in Henrici [FM20(3): 82–83 (2019)].

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.).

DISSODERMA (A.H. Sm. & Singer) Singer, *Beih. Sydowia* 7: 69 (1973)

Type: *Dissoderma paradoxum* (A.H. Sm. & Singer) Singer

galerinicola I. Saar, in Saar, Thorn, Nagasawa, Henkel & Cooper, *Mycologia*: 10.1080/00275514.2022.2059639, 18 (2022)
Squamanita scotica nom. inval.
Mis.: *Squamanita contortipes* sensu auct. Eur.
S: ! **W:** !
H: On basidiomata of *Galerina*.
A collection (1957) in E, described as *S. scotica* nom. inval., from Easterness (Tullochgrue) and a collection (2014) in ABS from Breconshire (Epynt) documented in Griffith *et al*. [*Fungal Ecology* 39: 131-141 (2019)]. Formerly known as *S. contortipes*, a species now moved to 'excluded' list as a synonym of *Dissoderma contortipes* (q.v.). *S. contortipes* is now regarded as a North American taxon. Its European counterpart, originally given the invalid name *S. scotica*, is now recognised as *D. galerinicola* (q.v.) following Saar *et al*. [*Mycologia* 114(4): 769-797 (2022)].

odoratum (Cool) I. Saar & Thorn, in Saar, Thorn, Nagasawa, Henkel & Cooper, *Mycologia*: 10.1080/00275514.2022.2059639, 22 (2022)
Squamanita odorata (Cool) Imbach
Move from *Squamanita*.

paradoxum (A.H. Sm. & Singer) Singer, *Beih. Sydowia* 7: 69 (1973)
Squamanita paradoxa (A.H. Sm. & Singer) Bas
Move from *Squamanita*.

pearsonii (Bas) Bon, *Docums Mycol.* 29(no. 115): 34 (1999)
Squamanita pearsonii Bas
Move from *Squamanita*.

Eichleriella deglubens (Berk. & Broome) D.A. Reid, *Trans. Brit. Mycol. Soc.* 55: 436 (1970)
Recombining author's name is as shown above and as printed in the 2005 CBIB book, but not as shown in the online database. Move *E. kmetii* (and its two homotypic synonyms) from synonymy to 'excluded' list as this is now recognised as a distinct species, *Heteroradulum kmetii*, not known in the CBIB area (except as a misapplication sensu auct. Brit.). This entry should now be headed by the name *Heteroradulum deglubens* (q.v.).

Eichleriella leucophaea Bres., *Annls mycol.* 1(2): 116 (1903)
E: !
H: On dead attached twigs of *Symphoricarpos albus*.
Two collections (2011 & 2012) from Buckinghamshire (Langley Station), one of which is in K and was determined as this based on morphological characters and a comparison of its ITS sequence with those published in Malysheva & Spirin [*Fungal Biology* 121(8): 689-715 (2017)]. Further details in Ainsworth *et al*. [FM23(1): 7-10 (2022)].

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 argenteostriatum Arnolds & Noordel.
Move to the synonymy of *E. fernandae* following Reschke *et al*. [*Persoonia* 49: 136-170 (2022)].

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 calthionis Arnolds & Noordel.
Move to the synonymy of *E. ventricosum* following Reschke *et al*. [*Persoonia* 49: 136-170 (2022)].

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 cremeoalbum J.B. Jordal & Noordel., *Öst. Z. Pilzk.* 19: 127 (2010)
H: English collection in short grassland.
A collection (2023) from Middlesex (Hounslow Heath) determined by comparing its ITS sequence with that generated from the holotype (99.8% similarity) as documented in Overall [FM25 (1): 27-31 (2024)]. Note that further taxonomic studies may result in the relegation of this name to the synonymy of *E. neglectum*.

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 juncinum (Kühner & Romagn.) Noordel.
Move to the synonymy of *E. minutum* following Reschke *et al*. [*Persoonia* 49: 136-170 (2022)].

Entoloma kuehnerianum Noordel.
Move to the synonymy of *E. hirtipes* following Reschke *et al*. [*Persoonia* 49: 136-170 (2022)].

Entoloma langei Noordel. & T. Borgen
Move to the synonymy of *E. ventricosum* following Reschke *et al*. [*Persoonia* 49: 136-170 (2022)].

Entoloma lanuginosipes Noordel.
Move to the synonymy of *E. cuneatum* following Reschke *et al*. [*Persoonia* 49: 136-170 (2022)].

Entoloma lilacinoroseum Bon & Guinb., in Bon, *Boll. Gruppo Micol. 'G. Bresadola'* (Trento) 27(1-2): 91 (1984)
E: !
H: English collection in soil in grazed upland acidic waxcap grassland.
A collection (2022) from South Lancashire (Cartridge Clough) determined as this based on morphological characters (S. Hindle) and confirmed by M.E. Noordeloos.

Entoloma luteobasis Ebert & E. Ludw., *Z. Mykol.* 58(2): 190 (1992)
Move to head the entry currently headed by *E. ochreoprunuloides* following Brandrud *et al*. [*Agarica* 39: 31-52 (2020)] who concluded that the latter was a more recent synonym based on matching the barcode sequences derived from the holotypes of both species (identical).

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 nigellum (Quél.) Noordel., *Persoonia* 11(2): 150 (1981)
Note the earlier publication date for this name accepted by Index Fungorum. See the 'excluded' list entry for *Claudopus nigrellus* for further details.

Entoloma nitens (Velen.) Noordel.
Move to the synonymy of *E. cuneatum* following Reschke *et al*. [*Persoonia* 49: 136-170 (2022)].

Entoloma occultipigmentatum Arnolds & Noordel.
Move to the synonymy of *E. sericeum* following Reschke *et al*. [*Persoonia* 49: 136-170 (2022)].

Entoloma papillatum (Bres.) Dennis
Move to the synonymy of *E. clandestinum* following Reschke *et al*. [*Persoonia* 49: 136-170 (2022)].

Entoloma quercetorum Kokkonen, *Karstenia* 59(1-2): 61 (2021)
E: !
H: English collection on soil near *Quercus robur*.
A collection (2021) from West Sussex (Arundel) determined as this based on a comparison of its ITS sequence (N. Aplin) with that derived from the holotype.

Entoloma reginae Noordel. & Chrispijn
Move to the synonymy of *E. rhodocylix* following Reschke *et al*. [*Persoonia* 49: 136-170 (2022)].

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)].

Entoloma viiduense Noordel. & Liiv, *Persoonia* 15(1): 24 (1992)
E: !
H: English collection on soil in old unimproved calcareous pasture.
A collection (2021) from East Sussex (Fairlight) determined as this based on a comparison of its ITS sequence (N. Aplin, M.E. Noordeloos) with that derived from the holotype and documented in Overall [FM23(1): 22-23 (2022)].

Entoloma vindobonense Noordel. & Hauskn., in Noordeloos, *Entoloma s.l.*, Fungi Europaei vol. 5 (Saronno) 5(a): 907 (2004)
E: !
H: English collection in soil in coastal dune xerophytic grassland.
A collection (2020) from West Sussex (East Head), determined as this based on a comparison of its ITS sequence with that of the holotype (N. Aplin). Further details and photos are posted online at https://www.sussexfungusgroup.co.uk.

Entoloma xanthocaulon Arnolds & Noordel.
Move to the synonymy of *E. fernandae* following Reschke *et al*. [*Persoonia* 49: 136-170 (2022)].

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*.

Exidia subsaccharina F. Wu, B. Rivoire, Tohtirjap & Y.C. Dai, in Tohtirjap, Hou, Rivoire, Gates, Wu & Dai, *Frontiers in Microbiology* 13(no. 1080290): 7 (2023)
E: !
H: On fallen dead wood of *Pinus*.
A collection (2023) from Buckinghamshire (Stoke Common) determined on morphological evidence (J. Wills) and by comparing its ITS sequence (E. Janke, P. Cullington) with those of the French holotype and paratype.

Favolaschia calocera R. Heim
Move to 'excluded' list. This species complex has been split into a series of segregate species. Sequenced British material is of *F. claudopus* (q.v.).

Favolaschia claudopus (Singer) Q.Y. Zhang & Y.C. Dai, *Forests* 12(10): 1397 9 (2021)
The *F. calocera* species complex has been split into a series of segregate species by Zhang & Dai (2021). Sequenced British and Italian material, previously determined as *F. calocera*, is now redetermined as *F. claudopus*. There is a **ROI** collection (2022) in DBN from Co. Cork (C. Campbell).

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. Corticiac.* (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. Corticiac.* (Tartu): 207 (1968)
Name changed from *Antrodia gossypium.*

vaillantii (DC.) Parmasto, *Consp. System. Corticiac.* (Tartu): 177 (1968)
Name changed from *Antrodia vaillantii.*

Flagelloscypha fusispora Agerer, *Mycologia* 72(5): 908 (1980)
W: !
H: On dead stems of *Oenanthe crocata* lying just above wet ground.
A collection (2023) from Caernarvonshire (Nantlle) determined on morphological evidence (P.R. Smith).

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).

Flagelloscypha tetraedrispora Agerer, *Mycologia* 72(5): 913 (1980)
E: !
H: On dead standing stems of *Pteridium*, a few centimetres above the ground.
A collection (2016) from Derbyshire (Hilton) determined on morphological evidence (highly distinctive spores) by P.R. Smith and apparently new to Europe.

Fomitiporia hartigii (Allesch. & Schnabl) Fiasson & Niemelä, *Karstenia* 24(1): 25 (1984)
Polyporus hartigii Allesch. & Schnabl, *Maladies des Plantes Agricoles* (Paris) 1: 332 (1890)
E: !
H: English collection on standing trunk of *Abies homolepis* in an arboretum.
New record. A cultured and preserved collection (2019) from Dorset (Wareham Forest) was sequenced and yielded a barcode supporting the determination (A. Lewis unpubl.).

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*.

Fomitopsis solaris Rivoire, A.M. Ainsworth & Vlasák, in Spirin, Runnel, Vlasák, Viner, Barrett, Ryvarden, Bernicchia, Rivoire, Ainsworth, Grebenc, Cartabia, Niemelä, Larsson & Miettinen, *Stud. Mycol.* 107: 230 (2024)
E: ! **O:** Channel Islands !
H: Collections from England and Jersey on dead wood of *Salix*.
Described with six English paratypes (2000-2011) in K from Berkshire (Bisham Wood), Buckinghamshire (Wraysbury), North Hampshire (Cricket Hill), South Somerset (Yeovil), Surrey (Langham Pond) and West Kent (Lullingstone Park) and one from Jersey (2014) in K from St. Martin (Rozel Woods), all originally determined as *Antrodia ramentacea*, a distinct species found on *Pinus* (now *F. ramentacea*). Note that Spirin *et al.* (2024) recognise an expanded *Fomitopsis* with 25 generic synonyms including *Buglossoporus* and *Daedalea*.

Galerina esteveraventosii Siquier, Olariaga, Salom & Høil., *Riv. Micol.* 64(1): 6 (2021)
E: !
H: On coastal soil in mossy short grass.
A collection (2019) in K from East Sussex (Winchelsea Beach), originally determined as *Galerina tibiicystis*, was redetermined as this by comparing its ITS sequence (A.S. Overall) with that of the holotype. A subsequent collection (2023) made at the same site by the same collector was also sequenced and determined similarly as documented in Overall [FM24(2): 57-58 (2023)].

Galerina lacustris A.H. Sm., *Mycologia* 45(6): 905 (1953)
E: !
H: On woody *Salix* debris in a dried pond bed.
A collection (2022) in K from Buckinghamshire (Stampwell Farm) determined by comparing its ITS sequence (E. Janke) with that of this species sensu the sequenced Norwegian collection UDB037812.

Ganoderma adspersum (Schulzer) Donk
E: !
H: On wood of angiosperms and gymnosperms.
Remove from synonymy of *G. australe* (q.v.) as *G. adspersum* has now been recognised as a distinct species and confirmed as British sensu Fryssouli *et al.* based on a comparison of barcode sequences derived from two collections in K from Berkshire (Windsor Great Park) and one in HMAS from Surrey (Kew) with others in Fryssouli *et al.* [*Mycokeys* 75: 71-143 (2020)].

Ganoderma australe (Fr.) Pat.
E: !
H: On wood of angiosperms.
Recognised as a predominantly southern hemisphere species distinct from *G. adspersum* and confirmed as British sensu Fryssouli *et al.* based on a comparison of barcode sequences derived from two collections (K and HMAS) from Surrey (Kew & Richmond Park) with others in Fryssouli *et al.* [*Mycokeys* 75: 71-143 (2020)]. Fryssouli *et al.* suspected that the fungus had been imported into the UK with plant material.

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*.

Ganoderma tsugae Murrill, *Bull. Torrey bot. Club* 29: 601 (1902)
UK: !
H: On wood of angiosperms and gymnosperms.

A culture preserved in CBS originating from a historical UK collection (K.S.G. Cartwright, No. 189) and previously determined as *G. valesiacum*, yielded a barcode sequence which matched those of this species sensu Fryssouli *et al.* [*Mycokeys* 75: 71-143 (2020)]. Their analysis included a CBS-derived reference culture of *G. tsugae* of Canadian origin which is indicated as being derived from type material. However, the country of origin of the designated neotype, which is preserved in NY, is unknown fide the online NY Fungarium catalogue. It has not been possible to trace further collection details for the Cartwright-derived *G. tsugae* culture to determine its country of origin within the UK and whether it was isolated from a tree or from worked timber. When considering whether its UK presence should be regarded as an introduction, it is worth noting that the analyses of Fryssouli *et al.* [*Mycokeys* 75: 71-143 (2020)] included a sequenced collection from an *Abies* stump in Germany suggesting that Europe could be within its natural range.

Gautieria fenestrata J.M. Vidal, Cabero, Papadimitriou & Slavova, in Vidal et al., *Persoonia* 50: 94 (2023)
E: !
H: British collections on or in soil in *Fagus* woodland.
Described with four British paratypes (1949-1953) in K from West Gloucestershire (Westridge Wood and Brackenbury Ring) originally determined as *G. morchelliformis* and redetermined on morphological characters. Historic collections assigned to *G. morchelliformis* should be re-examined/sequenced to determine if they should be assigned to other species following the substantial increase in the number of described European taxa.

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. 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.

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*.

Gymnopilus neerlandicus (Huijsman) Contu
Hebelomina neerlandica Huijsman
Move to 'excluded' list.

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, *MycoKeys* 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.*, *Mycokeys* 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.*, FungEur14: 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 FungEur14 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 calyptrosporum Bruchet
Hebeloma radicatum (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. calyptrosporum* and *H. radicatum* (and its synonyms but note the amended recombining author's name for *H. longicaudum* var. *radicatum* (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), Easterness (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 (Quél.) 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.) Quél. 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 Olginey), Easterness (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).

incarnatulum 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)."

laetitiae 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), Easterness (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 Easterness (Bogach and Loch Loy), Orkney and Surrey (Boldermere and Bookham Common).

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

mesophaeum (Pers.) Quél.
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), Easterness (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)."

nigellum 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.
Hebeloma psammophilum Bon
W: !
H: In sand on mobile coastal dune near *Salix cinerea*.
Move from 'excluded' list. Add the above details and replace **Notes** with: "A collection (2011) in K from Merionethshire (Shell Island) morphologically and molecularly confirmed by H.J. Beker & U. Eberhardt and documented in Aron [FM21(4): 135-137 (2020)]."

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)].

saccharіolens Quél.
E: ! **S:** ? **W:** ? **NI:** ? **ROI:** ? **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* (q.v.). 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* have been redetermined (see *Gymnopilus neerlandicus*). A sixth such specimen in K from North Hampshire (Leckford) has been redetermined as *Galerina* sp. (probably *G. marginata*) based on a morphological study.

Hericium coralloides (Scop.) Pers.
Mis.: *Hericium alpestre* sensu Ing (1992)
Insert Misdet. and add *Hericium alpestre* to 'excluded' list.

HETEROGASTRIDIUM 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).

HETERORADULUM Lloyd ex Spirin & Malysheva, in Malysheva & Spirin, *Fungal Biology* 121(8): 709 (2017)

Type: *Heteroradulum kmetii* (Bres.) Spirin & Malysheva

deglubens (Berk. & Broome) Spirin & Malysheva, in Malysheva & Spirin, *Fungal Biology* 121(8): 710 (2017)
A new heading for the entry previously headed by *Eichleriella deglubens* (q.v.).

HODOPHILUS R. Heim, in Herink, *Sborník severočeského Muzea, Přírodni 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 *Camarophyllopsis*, 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 (Mariandyrys).

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

cambriensis Adamčík & Harries, in Adamčík, Dima, Adamčíková, Harries, Læssøe, Moreau & Jančovičová, *Mycol. Progr.* 17(9): 1105 (2018)
W: !
H: Welsh collections on bare soil or in moss in shaded sites (woodland edge, stream bank).
New record. Described with a Welsh holotype from Pembrokeshire (Orielton 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 *Camarophyllopsis foetens*. Epitypified with Welsh (Breconshire) material [Adamčík *et al.*, *Mycological Progress* 16(1): 47–62 (2017)].

hymenocephalus
Name changed from *Camarophyllopsis hymenocephala*.
Hodophilus hymenocephalus (A.H. Sm. & Hesler) Birkebak & Adamčík
Move to 'excluded' list.

micaceus (Berk. & Broome) Birkebak & Adamčík
Name changed from *Camarophyllopsis 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. cambriensis* (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.

stramineus Jančovič., Dima & Adamčík, in Adamčík, Dima, Adamčíková, Corriol, Læssøe, Moreau, Cabon & Jančovičová, *Mycol. Progr.* 19(2): 121 (2019) [2020]
E: ! **W:** !
H: In soil in shaded sites within or near broadleaved woodland.
Described with a Welsh holotype from Pembrokeshire (Orielton Wood). The paratypes include a redetermined English collection (2008) in K from South Somerset (Swell Wood), originally determined as *Camarophyllopsis foetens*, and a Welsh collection (2014) from Montgomeryshire (Gregynog).

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 (Blorenge).

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 (Blorenge) and Pembrokeshire (Hundleton & Orielton).

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. MycoKeys* 54: 31–47. (2019)]. Both genera continue to be recognized but *Sarcodon* is now much reduced and *Hydnellum* has an emended description. The following entries comprise new species and transfers from *Sarcodon* to *Hydnellum* (further examples to be found in the 'excluded' list):

fagiscabrosum A.M. Ainsw. & Nitare, in Nitare, Ainsworth, Larsson, Parfitt, Suz, Svantesson & Larsson, *FUSE* 7: 238 (2021)
E: !
H: In nutrient-poor, often mossy, soil associated with *Fagaceae*; English collections usually with *Quercus* or *Castanea*.
Described with many sequenced English paratypes in K, almost all of which were previously determined as *Sarcodon scabrosus*, from Berkshire (Windsor Crown Estate), East Norfolk (St Faith's Common), South Hampshire (New Forest), Surrey (Witley Common & Woking) and West Kent (Seal Chart & Tudeley Woods). In Britain, this is the broadleaved woodland counterpart of *S. scabrosus*, which is a strict *Pinaceae* associate.

ioeides (Pass.) E. Larss., K.H. Larss. & Kõljalg, in Larsson, Svantesson, Miscevic, Kõljalg & Larsson, *MycoKeys* 54: 41 (2019).
This epithet was originally listed as *joeides*, now regarded as an orthographic variant.

lepidum (Maas Geest.) E. Larss., K.H. Larss. & Kõljalg, in Larsson, Svantesson, Miscevic, Kõljalg & Larsson, *MycoKeys* 54: 41 (2019)
New heading for the entry currently headed by *Sarcodon regalis*. The latter is now recognised as a synonym of *H. lepidum* (= *S. lepidus*) following the molecular analyses in Nitare *et al.* [*FUSE* 7: 233-254 (2021)] which included sequences derived from type collections of both species. Replace **Notes** with: "Collected in 1968 and 1969 from the type locality of *S. regalis* in Berkshire (Swinley Park) but, due to redevelopment of the site for housing and absence of any further records, it had been assessed as extinct in Britain. It was shown to be extant by matching the DNA barcode obtained from a 2019 collection from South Hampshire (New Forest) with that derived from the holotype of *S. lepidus* (E. Janke & Nitare *et al.*)." Further details in Lucas & Ainsworth [FM22(3): 91-94 (2021)].

nemorosum A.M. Ainsw. & E. Larss., in Nitare, Ainsworth, Larsson, Parfitt, Suz, Svantesson & Larsson, *FUSE* 7: 246 (2021)
E: !
H: In nutrient-poor, often mossy, soil associated with *Fagaceae*; English collections probably with *Castanea*.
Described with an English holotype (2008) and paratype (2010) in K and only known in Britain from the type locality in Berkshire (Windsor Great Park).

scabrosum (Fr.) E. Larss., K.H. Larss. & Kõljalg, in Larsson, Svantesson, Miscevic, Kõljalg & Larsson, *MycoKeys* 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 ibericum Olariaga, Liimat. & Niskanen, in Niskanen, Liimatainen, Nuytinck, Kirk, Ibarguren, Garibay-Orijel, Norvell, Huhtinen, Kytövuori, Ruotsalainen, Niemelä, Ammirati & Tedersoo, *Mycologia* 110(5): 899 (2018)
W: !
H: Welsh collection in soil with coal spoil under *Corylus avellana* with *Quercus robur* nearby.
A collection (2022) in K from Glamorganshire (Brynna Woods) determined by comparing its ITS sequence (A.Yu. Biketova, A.M. Ainsworth, K. Liimatainen) with that of the holotype.

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.).

Hydnum pallidum Raddi, *Mem. Mat. Fis. Soc. Ital. Sci. Modena*, Pt. Mem. Fis. 13: 353 (1807)
This name now has a lectotype supported by a sequenced epitype (although registration of this typification is currently "not Code compliant" fide IF) and is accepted as an earlier name for *H. reginae* (= *H. albidum* sensu auct. Eur.) whose existing CBIB entry should now be headed by *H. pallidum* following the analyses of Márquez-Sanz *et al.* [*Journal of Fungi* 9, 1141. https://doi.org/10.3390/jof9121141 (2023)].
Hydnum reginae Kibby, Liimat. & Niskanen, in Kibby & Liimatainen, *Index Fungorum* 523: 1 (2022)
Mis.: *Hydnum albidum* sensu auct. Eur.
E: ! **W:** !
H: In calcareous soil of *Fagus* woodland and in grassland with *Helianthemum*.
Described with a sequenced English holotype, now in K, from Surrey (White Downs) and an unconfirmed record from Caernarvonshire (Great Orme). Documented in Kibby & Liimatainen [FM23(3): 77-80 (2022)].

Hydnum subovoideisporum Niskanen & Liimat., in Niskanen *et al.*, *Mycologia*: 10.1080/00275514.2018.1477004, 20 (2018)
E: !
H: English collection on soil in broadleaved woodland.
A collection (2020) from Buckinghamshire (Burnham Beeches) determined as this based on a comparison of its ITS sequence (Alvalab) with that obtained from the holotype (identical).

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 *Chromosera* (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.

Hygrophorus marzuolus (Fr.) Bres., *Atti Acad. Agiato Rovereto* 2: 3 (1893)
E: !
H: English collection in acidic soil near *Quercus petraea* with *Calluna* and *Vaccinium*.
A collection (2022) from Shropshire (Wyre Forest) determined as this based on morphological characters and a comparison of its ITS sequence (identical) with the two sequences labelled as this in GenBank (A.Yu. Biketova, A.M. Ainsworth).

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 albocremea* (q.v.).

Hyphoderma multicystidium (Hjortstam & Ryvarden) Hjortstam & Tellería, in Tellería, *Bibliothca 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).

INCRUSTOCALYPTELLA Agerer, *Z. Mykol.* 49(2): 160 (1983)

Type: *Incrustocalyptella columbiana* Agerer

columbiana Agerer, *Z. Mykol.* 49(2): 161 (1983)
E: ! **W:** !
H: On fallen leaves of *Hedera* sp., *Ilex aquifolium* and *Rhododendron ponticum*.
Collections in K (2017 and 2019) respectively from Anglesey (Coed Môr) and West Cornwall (Redruth) and Welsh material initially determined as this based on morphology. There is a second known site (2019) in Anglesey (Lligwy). For more details, see Smith [FM22(2): 61-63 (2021)].

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 (Fr.) Fr.

For a general guide to the segregation of *Inocybe* and new generic placements of species formerly assigned here, see Cullington [FM21(3): 102-107 (2020)] and the relevant entries in Index/Species Fungorum online. New CBIB entries will be restricted to those species representing new additions to, or exclusions from, the British and Irish list and those requiring edits other than changes to their generic placement. These entries will be found under *Inocybe*, *Inosperma*, *Mallocybe* and *Pseudosperma* as required.

amblyospora Kühner
E: !
H: English collection in soil near *Nothofagus*.
Move from 'excluded' list. Replace **Notes** with: A collection (2021) from South Hampshire (Hillier Gardens) was determined as this (sensu E. Larsson) based on a comparison of its ITS sequence (E. Janke) with those available in GenBank.

aphroditeana Bandini & G. Bandini, in Bandini, Oertel & Eberhardt, *Mycol. bavarica* 22: 72 (2022)
E: ! **W:** !
H: In soil under broadleaved trees.

Collections (1997, 2004 & 2010) in K from Carmarthenshire (Pont Felin-gât), North Hampshire (Alton) and West Gloucestershire (Forest of Dean), originally determined as *Inocybe lilacina* (aff.) or *I. geophylla* var. *lilacina*, were redetermined by comparing their ITS sequences (K. Liimatainen, A.M. Ainsworth) with that of the holotype. A member of the *I. lilacina* complex.

astraiana Bandini & B. Oertel, in Bandini, Oertel, Schüssler & Eberhardt, *Mycol. bavarica* 20: 27 (2020)
E: !
H: In soil with *Pinus sylvestris*.
A collection (2020) from East Sussex (Tilgate Park) determined as this based on a comparison of its ITS sequence with that of the holotype and published with a photograph in Allison & Aplin [*Adastra 2020* (Sussex Biodiversity Record Centre): 11 (2021)].

bongardii *var.* pisciodora (Donadini & Riousset) Kuyper
Move to synonymy of *Inosperma pisciodorum*, which provides a new heading for this entry, following Cullington [FM21(3): 102-107 (2020)].

brevispora Huijsman
Move from synonymy of *I. soluta* to the synonymy of *I. subcarpta* following Bandini *et al*. [*Integrative Systematics* DOI: 10.18476/2022.901982 (2022)] who showed that the barcode sequence from the holotype of *I. brevispora* clustered with that from the epitype of *I. subcarpta*.

cincinnata *var.* major (S. Petersen) Kuyper
This entry to be headed by *I. obscuroides* with this variety listed in the synonymy. This taxon is now raised to specific rank following Bandini *et al*. [*Mycological Progress* 20(9): 1019-1114 (2021)].

cookei *var.* kuthanii (Stangl & J. Veselský) Kuyper
Move to synonymy of *Inosperma kuthanii*, which provides a new heading for this entry, following Cullington [FM21(3): 102-107 (2020)].

curcumina Bandini, B. Oertel & U. Eberh., in Bandini, Oertel, Ploch, Ali, Vauras, Schneider, Scholler, Eberhardt & Thines, *Mycol. Progr.* 18(1-2): 265 (2018) [2019]
E: !
H: In soil near *Fagus*.
A collection (2021) from North Hampshire (Noar Hill) determined as this based on a comparison of its ITS sequence with that of the holotype (E. Janke).

dvaliniana Bandini & B. Oertel, in Bandini, Oertel & Eberhardt, *Mycol. bavarica* 21: 65 (2021)
E: !
H: English collection in soil.
A collection (2019) from West Gloucestershire (Forest of Dean) determined by comparing its ITS sequence (E. Janke, P. Cullington) with that of the holotype. Likely to be one of the species previously generally misdetermined in Britain as *I. cryptocystis*, (described from USA).

flavella P. Karst.
Move this species to *Pseudosperma* as *P. flavellum* (q.v.) and move *I. xanthocephala*, now recognised as a species in its own right, from synonymy to the head of a new entry as *P. xanthocephalum* (q.v.).

floccipes (Esteve-Rav. & Fouchier) Esteve-Rav. & Bizio, in Muñoz, Pancorbo, Turégano & Esteve-Raventós, *Fungi Iberici* 2: 20 (2022)
E: !
H: In soil under *Fagus*.
A collection (2021) in K from Buckinghamshire (Mousells Wood) determined as this based on a comparison of its ITS sequence with that of the holotype (E. Janke, F. Esteve-Raventós).

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)].

fuscidula Velen.
Move to synonymy of *I. glabripes* (which has a sequenced neotype) based on morphological evidence following Bandini *et al*. [*Mycological Progress* 20(9): 1019-1114 (2021)]. However, *I. virgatula* (q.v.) is to be moved from the synonymy of this and recognised as a distinct species with a sequenced lectotype following Bandini *et al*. (2021).

gaiana Bandini & B. Oertel, in Bandini, Oertel & Eberhardt, *Mycol. Progr.* 20(9): 1055 (2021)
W: !
H: In soil.
A collection (2021) in from Anglesey (Cefni Reservoir) determined as this based on a comparison of its ITS sequence with that of the holotype (E. Janke).

geophylla (Bull.) P. Kumm.
Move *Agaricus clarkii* and *Inocybe clarkii* from synonymy of *I. geophylla* var. *geophylla* to the synonymy of *I. sindonia* based on morphological evidence following following Bandini *et al*., *Mycological Progress* 20(9): 1019-1114 (2021)].

glabripes Ricken
Synonyms to include *I. fuscidula*, formerly recognised as a distinct species, following Bandini *et al*. [*Mycological Progress* 20(9): 1019-1114 (2021)].

grammatoides Esteve-Rav., Pancorbo & E. Rubio, in Crous et al., *Persoonia* 42: 419 (2019)
E: !
H: English collection in parkland soil under *Quercus* sp.
A collection (2021) in K from Middlesex (Bushy Park) determined as this based on a comparison of its ITS sequence (identical) with that derived from the holotype (A.Yu. Biketova, A.M. Ainsworth).

grammopodia Malençon, in Malençon & Bertault, *Champignon Supérieurs du Maroc* 1: 371 (1970)
E: !
H: English collection in garden soil near *Tilia* sp.
A collection (2021) from Oxfordshire (Kingston Blount) determined as this based on a comparison of its ITS sequence with published sequences accepted as representing this species sensu Bandini *et al*. (E. Janke).

helobia (Kuyper) Bandini, B. Oertel & U. Eberh., in Bandini, Oertel, Schüssler & Eberhardt, *Mycol. bavarica* 20: 19 (2020)
Move *I. lacera* var. *helobia* to the synonymy of this species following the molecular analysis in Bandini *et al*. [*Mycol. bavarica* 20: 13-101 (2020)].

ianthinopes Pancorbo, G. Muñoz & Esteve-Rav., in Muñoz, Pancorbo, Turégano & Esteve-Raventós, *Fungi Iberici* 2: 15 (2022)
E: !
H: English collection in soil.
An English collection (2021) from South Hampshire (Crab Wood) determined as this based on a comparison of its ITS sequence with that of the holotype (E. Janke).

ionolepis Cullington & E. Larss., in Crous et. al., *Persoonia* 45: 359 (2020)
E: !
H: English collection in broadleaved woodland on stony soil under *Fagus*.
Described with a sequenced English holotype, now in K, collected (2017) from West Gloucestershire (Forest of Dean). This specimen was described and illustrated in Crous *et al*. [*Persoonia* 45: 358-359 (2020)], illustrated (as *I. ionolepis nom. prov.*) in Cullington [FM21(3): 102-107 (2020)] and further documented in Cullington [FM22(2): 55-60 (2021)].

jucunda Bandini, B. Oertel & U. Eberh., in Bandini, Oertel & Eberhardt, *Mycol. bavarica* 21: 74 (2021)
E: !

H: English collection in grass in open *Quercus robur* woodland.
A collection (2021) from Oxfordshire (Blenheim Estate) determined as this based on a comparison of its ITS sequence with that derived from the holotype (A.Yu. Biketova). A second English collection (2021) from South Hampshire (West Wood) similarly determined (E. Janke).

knautiana Bandini & B. Oertel, in Bandini, Oertel & Eberhardt, *Mycol. Progr.* 20(9): 1070 (2021)
E: ! **W:** !
H: English collection in soil under *Fagus sylvatica*.
An English collection (2016) from West Gloucestershire (Forest of Dean) determined as this based on a comparison of its ITS sequence (UNITE) with that of the holotype and reported in Bandini *et al*. [*Mycological Progress* 20(9): 1019-1114 (2021)] and a Welsh one (2021) from Anglesey (Lligwy) similarly determined (E. Janke).

krieglsteineri Fern. Sas. [as '*krieglsteinerii*'], *Bull. Soc. mycol. Fr.* 120(1-4): 180 (2005) [2004]
W: !
H: In soil.
A collection (2021) from Merionethshire (Ceunant Llennyrch) determined as this based on a comparison of its ITS sequence with those of this species deposited in GenBank sensu several European *Inocybe* specialists (E. Janke).

lacera *var.* helobia Kuyper
Move to synonymy of *Inocybe helobia* (q.v.).

lacunarum Vauras & E. Larss., *Karstenia* 54(1): 12 (2015)
E: !
H: English collection on soil in broadleaved woodland.
A collection (2020) from South Hampshire (Stubbs Wood) determined as this based on a comparison of its ITS sequence (E. Janke) with that obtained from the holotype and documented as FRDBI 18211524.

lavandulochlora Esteve-Rav. & M. Villarreal, *Riv. Micol.* 44(3): 216 (2001)
W: !
H: Welsh collection in coastal dune soil under *Pinus* sp.
A collection (2017) in K from Anglesey (Newborough Forest) originally determined as *I. subnudipes* and redetermined as this based on a comparison of its ITS sequence with that of the holotype (K. Liimatainen).

lindrothii (P. Karst.) Vauras & E. Larss., in Larsson, Cripps & Vauras, *Karstenia* 54: 25 (2014)
E: !
H: English collection on soil under *Betula*.
A collection (2020) from Buckinghamshire (Burnham Beeches) determined as this based on a comparison of its ITS sequence (E. Janke *et al*.) with that obtained from the holotype. Further details in Cullington [FM22(3): 98-100 (2021)].

metrodii Stangl & J. Veselský, *Česká Mykol.* 33(4): 220 (1979)
E: !
H: English collection in soil under *Fagus*.
A collection (2021) in from Hampshire (Winchester) determined as this based on a comparison of its ITS sequence with that of the holotype (E. Janke).

miranda Carteret & Reumaux, *Cahiers de la FMBDS* 2: 23 (2013)
E: !
H: In soil under broadleaved trees.
A collection (2017) in K from Surrey (Kew Gardens) originally determined as *I. geophylla* and redetermined as this based on a comparison of its ITS sequence (generated by K. Liimatainen) with that of a sequenced isotype which was published in Bandini *et al*. [*Mycological Progress* 20(9): 1019-1114 (2021)].

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).

mystica Stangl & Glowinski, *Z. Mykol.* 46(2): 170 (1980)
E: !
H: English collection in soil.
A collection (2011) from Buckinghamshire (Burnham Beeches) determined by comparing its ITS sequence (E. Janke, P. Cullington) with that of the holotype. Likely to be one of the species previously generally misdetermined in Britain as *I. cryptocystis*, (described from USA).

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.).

obscuroides P.D. Orton
Move from synonymy to head the entry formerly headed by *I. cincinnata* var. *major*. This taxon is now raised to specific rank following Bandini *et al*. [*Mycological Progress* 20(9): 1019-1114 (2021)].

occulta Esteve-Rav., Bandini, B. Oertel & G. Moreno, in Esteve-Raventós, Bandini, Oertel, González, Moreno, Olariaga, *Persoonia* 41: 229 (2018)
S: !
H: Scottish collections in soil near *Pinus* and *Betula*.
Two morphologically identical collections (2022) from Morayshire (Culbin Sands, Nethy Bridge) determined as this by matching one of their barcode sequences with that derived from the type (Alvalab). Documented in Tortelli *et al*. [FM23(4): 127-133 (2022)].

pararubens Carteret & Reumaux, *Bull. Soc. mycol. Fr.* 127(1-2): 49 (2012) [2011]
E: !
H: English collection in soil under *Fagus*.
A collection (2022) in K from Buckinghamshire (Mousells Wood) determined by comparing its ITS sequence (E. Janke) with that of the holotype.

pluppiana Bandini, B. Oertel & U. Eberh., in Bandini, Oertel, Schüssler & Eberhardt, *Mycol. bavarica* 20: 86 (2020)
E: ! **W:** !
H: British collections with broadleaved trees including *Salix* and *Alnus* in fen or heathland.
Collections (2020, 2010 & 2018) respectively from Anglesey, Buckinghamshire (Stoke Common) and East Norfolk (Sutton Fen), the Bucks collection originally determined as *I. lacera*; all now determined as this based on a comparison of their ITS sequences with that of the holotype (E. Janke, UNITE). English collections in K.

psammobrunnea Bon, *Docums Mycol.* 20(no. 78): 63 (1990)
Inocybe griseotarda Poirier, *Docums Mycol*. 31(no. 124): 4 (2002)
W: ! **O:** Channel Islands: !
H: Jersey collection in sandy soil under *Pinus* sp.
A collection (2018) from Jersey (St Ouen) determined as this based on matching its ITS sequence with that derived from the holotype (UNITE, B. Douglas) and a Welsh collection determined similarly (G. Griffith, D.J. Harries, E. Janke). The listed synonymy follows Bandini *et al*., [*Mycological Progress* 20(9): 1019-1114 (2021)] whose analyses included sequences derived from the holotypes of both species.

pseudorubens Carteret & Reumaux, *Boll. Gruppo Micol. 'G. Bresadola'* (Trento) 44(3): 34 (2001)
E: !
H: English collections in soil with broadleaved trees.

A collection (2019) from East Sussex (Crawley) determined as this based on a comparison of its ITS sequence with that of the holotype (N. Aplin) and a collection (2021) in K from East Kent (Badgin Wood) determined by a similar method (Alvalab, M. Tortelli).

roseascens Bizio, Bahram, Tedersoo, Orzes & Saitta, in Crous et al., *Persoonia* 41: 373 (2018)
E: !
H: English collection in chalk downland with *Helianthemum*.
A collection (2017) in K from Oxfordshire (Watlington Hill) originally determined as *I. maculipes* cf. and redetermined as this based on a comparison of its ITS sequence with that of the holotype (K. Liimatainen & A.M. Ainsworth).

scolopacis Bandini & B. Oertel, in Bandini, Oertel & Eberhardt, *Mycological Progress* 20(9): 1089 (2021)
E: !
H: English collection detected in ectomycorrhizal root tip of *Pinus sylvestris*.
An ectomycorrhizal root sample (2012) from West Norfolk (Thetford Forest) yielded an ITS sequence [MF352729, in Suz *et al.*, *Forest ecology and management*, 406: 370-380 (2017)] which matched that derived from the holotype [Bandini *et al.*, *Mycological Progress* 20(9): 1019-1114 (2021)].

semifulva Grund & D.E. Stuntz, *Mycologia* 73(4): 659 (1981)
E: !
H: English collection in soil under *Tilia*.
A collection (2021) from Surrey (Gatwick) determined as this based on a comparison of its ITS sequence with that of the holotype (N. Aplin).

sindonia (Fr.) P. Karst.
Move *Agaricus clarkii* and *Inocybe clarkii* from synonymy of *I. geophylla* var. *geophylla* to the synonymy of *I. sindonia* based on morphological evidence following following Bandini *et al.*, *Mycological Progress* 20(9): 1019-1114 (2021)].

soluta Velen.
Move *I. brevispora* (q.v.) from synonymy to that of *I. subcarpta*. Move *I. striatorimosa* from heading a species entry to the synonymy of *I. soluta* following Bandini *et al.* [*Integrative Systematics* DOI: 10.18476/2022.901982 (2022)].

striatorimosa P.D. Orton
Move to the synonymy of *I. soluta* (q.v.).

strickeriana Bandini, Anja Schneid. & M. Scholler, in Bandini, Oertel, Ploch, Ali, Vauras, Schneider, Scholler, Eberhardt & Thines, *Mycol. Progr.* 18(1-2): 282 (2018) [2019]
E: !
H: English collection in soil.
A collection (2021) in K from Buckinghamshire (Rushbeds Wood) determined as this based on a comparison of its ITS sequence with that of the holotype (E. Janke).

syringae Bandini, B. Oertel & U. Eberh., *Mycol. bavarica* 22: 113 (2022)
E: !
H: English collection from root tip of *Quercus robur*.
An ITS barcode sequence generated from a root tip collected in 2021 from Oxfordshire (Blenheim Estate) was analysed and found to match (99.5% similarity) that derived from the holotype of *I. syringae* (L.M. Suz). A member of the *I. lilacina* complex.

tigrina R. Heim, *Encyclop. Mycol.*, 1 Le Genre *Inocybe* (Paris): 230 (1931)
Inocybe tigrinella Carteret & Reumaux, *Bull. Soc. mycol. Fr.* 127(1-2): 50 (2012) [2011]
E: ! **W:** !
H: British collections on calcareous soil under *Helianthemum*, on coastal dune soil under *Pinus* or on soil under *Picea*.
Move from 'excluded' list. A collection (2011) in K from Merionethshire (Morfa Harlech) was originally determined as *I. subnudipes* and documented as this in Cullington [FM14(1): 17-20 (2013)] but this species is not accepted as British. The collection has been redetermined as *I. tigrina* based on a comparison of its ITS sequence (generated by K. Liimatainen) with that of the epitype which was published in Bandini *et al.* [*Mycological Progress* 20(9): 1019-1114 (2021)]. A collection (2015) in K from Oxfordshire (Watlington Hill) was originally determined as *I. tigrinella* (based on DNA barcode data) but this species is now assigned here following the synonymy of Bandini *et al.* (2021) based on the placement of a sequence from an isotype. Other DNA-verified collections are from Buckinghamshire.

turfae Bandini, B. Oertel & U. Eberh., in Bandini, Brandrud, Dima, Dondl, Fachada, Hussong, Mifsud, Oertel, Rodríguez Campo, Thüs, Vauras, Weholt & Eberhardt, *Integrative Systematics*, Stuttgart Contributions to Natural History 5(2): 60 (2022)
E: ! **W:** !
H: In soil, Welsh collection under *Quercus*.
Two collections (2023) from Merionethshire (Morfa Harlech) and South Hampshire (New Forest) determined by comparing (>99% similarity) their ITS sequences (E. Janke) with that of the holotype.

tyrii Bandini, B. Oertel & U. Eberh., *Mycol. bavarica* 22: 120 (2022)
E: !
H: In soil under broadleaved trees.
Collections (2022 & 2002) from Buckinghamshire (Turville Heath) and North Hampshire (Micheldever) determined by comparing their ITS sequences (E. Janke & P. Cullington and K. Liimatainen & A.M. Ainsworth repectively) with that of the holotype. A member of the *I. lilacina* complex.

umbrinella Bres.*, Ann. Mycol.* 3: 161 (1905)
E: !
H: English collections on soil in *Fagus* and *Quercus* woodland and with *Helianthemum* on chalk downland.
Two English collections (2008) from Buckinghamshire determined as this and supported by sequencing evidence in Larsson *et al.* [*Persoonia* 23: 86-98 (2009)]. Move from synonymy of *I. rimosa* and include as a separate species.
The above text appeared in UD5 in 2011 but, unfortunately, the corresponding changes were not made within the online database. This species is now moved to *Pseudosperma* as is *I. rimosa*.

virgatula Kühner
W: !
H: Welsh collection in roadside soil under *Fagus sylvatica*.
Remove from the synonymy of *I. fuscidula* and recognise as a distinct species following Bandini *et al.* [*Mycological Progress* 20(9): 1019-1114 (2021)]. A collection (2019) from Anglesey (Pentraeth Forest) received as *I. griseovelata* (cf.) and redetermined as this based on a comparison of its ITS sequence with that derived from the lectotype (A.Yu. Biketova, A.M. Ainsworth).

INOSPERMA (Kühner) Matheny & Esteve-Rav., in Matheny, Hobbs & Esteve-Raventós, *Mycologia*: 10.1080/00275514.2019.1668906, 12 (2019)
Type: *Inosperma calamistratum* (Fr.) Matheny & Esteve-Rav.

kuthanii (Stangl & J. Veselský) Matheny & Esteve-Rav., in Matheny, Hobbs & Esteve-Raventós, *Mycologia*: 10.1080/00275514.2019.1668906, 21 (2019)
New heading for the entry formerly headed by *Inocybe cookei* var. *kuthanii* which now becomes a synonym following Cullington [FM21(3): 102-107 (2020)].

monastichum Bandini & B. Oertel, in Bandini, Oertel & Eberhardt, *Mycol. bavarica* 21: 45 (2021)
E: !
H: English collection in woodland soil.

A collection (2019) in K from Oxfordshire (Lambridge Wood) was determined as this based on a comparison of its ITS sequence (E. Janke) with that derived from the holotype.

pisciodorum (Donadini & Riousset) Matheny & Esteve-Rav., in Matheny, Hobbs & Esteve-Raventós, *Mycologia*: 10.1080/00275514.2019.1668906, 22 (2019)
New heading for the entry formerly headed by *Inocybe bongardii* var. *pisciodora* which now becomes a synonym following Cullington [FM21(3): 102-107 (2020)].

quietiodor (Bon) Matheny & Esteve-Rav., in Matheny, Hobbs & Esteve-Raventós, *Mycologia*: 10.1080/00275514.2019.1668906, 22 (2019)
E: !
H: On soil in woodland.
Included as British following Cullington [FM21(3): 102-107 (2020)].

vinaceum Cervini, M. Carbone & Bizio, *Riv. Micol.* 63(3): 222 (2021)
E: !
H: In soil.
A collection (2013) in K from West Gloucestershire (Forest of Dean), originally determined as *Inocybe adaequata* then as *I. rhodiola* aff., redetermined by comparing its ITS sequence (K. Liimatainen & A.M. Ainsworth) with that of the holotype and several paratypes.

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).

Laccaria macrocystidiata (Migl. & Lavorato) Pázmány, *Z. Mykol.* 60(1): 8 (1994)
E: !
H: English collection on coastal soil.
An English collection at K (2019) from East Sussex (Cliff End) which was determined based on its morphology.

Lactarius flexuosus *var*. roseozonatus H. Post
Lactarius roseozonatus (H. Post) Britzelm.
Move to synonymy of *L. flexuosus* following Species Fungorum.

Lactarius lignyotus Fr.
S: !
H: Scottish collection in soil with grass and moss near *Pinus*.
Move from 'excluded' list. A collection (2020) in K from Angus (Middleton) was determined as this based on morphology and a comparison of its ITS sequence (Alvalab) with that of Scandinavian reference collections (identical).

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 pruinosum* (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.).

Lepiota coloratipes Vizzini, J.F. Liang, Jančovič. & Zhu L. Yang, in Vizzini, Liang, Jančovičová, Adamčík, Ercole, Contu, Yang & Vellinga, *Mycol. Progr.* 13(1): 174 (2013) [2014]
E: !
H: English collection in parkland soil near *Tilia*.
A collection (2019) from Oxfordshire (Henley-on-Thames) originally determined as *Lepiota rufipes* and redetermined as this based on a comparison of its ITS sequence with that of the holotype (A.Yu. Biketova, A.M. Ainsworth). The protologue describes this species as *Lepiota rufipes* ss. auct. europ. non ss. orig. The N. American *L. rufipes* was in the excluded list in the printed CBIB of 2005 but, fide Vellinga in Vizzini *et al.* (2013), this name is based on a weathered type specimen and is now considered to represent a synonym of *Cystolepiota seminuda*. Documented in Fortey [FM23(3): 99-100 (2022)].

Lepista densifolia (J. Favre) Singer & Clémençon, *Nova Hedwigia* 23(2-3): 308 (1973) [1972]
S: !
H: Scottish collection on soil in heathland.
A collection (2021) from Easterness (Uath Lochan) determined as this based on morphological characters and documented in Henrici [FM23(1): 35 (2022)].

Lepista flaccida (Sowerby) Pat.
Name changed to *Paralepista flaccida* (q.v.).

Leptosporomyces fusoideus (Jülich) Krieglst.
Move to synonymy of *Athelopsis fusoidea*.

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).

Leucocoprinus griseofloccosus Lagardère & Eyssart., *Bull. Soc. mycol. Fr.* 132(1-2): 106 (2018)
E: !
H: English collections on rotten wood of *Abies alba*, *Pseudotsuga menziesii* and probably also on *Pinus*.
Collections (2019 & 2020) from South Hampshire (New Forest) determined as this based on a comparison of their ITS sequences (E. Janke) with that obtained from the holotype and documented in Henrici & Rogerson [FM21(4): 143 (2020)].

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 two 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)

houghtonii (W. Phillips) Halama & Pencakowski, in Das *et al.*, *Cryptog. Mycol.* 38(3): 369 (2017)

Name changed from *Clitocybe houghtonii* following the molecular study of Das *et al*. [*Cryptog. Mycol.* 38(3): 353-406 (2017)] which included a sequenced specimen in K from Surrey (West Molesey).

Leucopaxillus giganteus (Sowerby) Kühner & Maire

Name changed to *Aspropaxillus giganteus* (q.v.).

Leucopaxillus rhodoleucus (Sacc.) Kühner

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

Limacella ochraceorosea (Béguet & Bon) Neville & Poumarat, *Fungi europ.* (Alassio) 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).

Lindtneria hydnoidea Bernicchia & Ryvarden, *Mycol. Res.* 102(4): 503 (1998)

E: !

H: On moss on underside of log.

A collection (2014) at K from South Hampshire (High Corner Wood).

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 P. Karst.

The following three changes are required in accordance with molecular data in Hofstetter *et al*. [*Cryptog. Mycol.* 35(4): 399-425 (2015)]

ambustum (Fr.) Singer
Mis.: *Tephrocybe impexa* sensu Orton

Move from synonymy of *Tephrocybe ambusta* to head the entry. Move *T. gibberosa*, *Lyophyllum gibberosum* and *Collybia gibberosa* from the synonymy of this to the synonymy of *Sagaranella gibberosa* (q.v.) and delete second sentence of **Notes**.

anthracophilum (Lasch) M. Lange & Sivertsen, *Beitr. Kenntn. Pilze Mitteleur.* 3: 120 (1987)

Move the entry currently headed by *Tephrocybe anthracophila* to the synonymy of this.

atratum (Fr.) Singer

Move from synonymy of *Tephrocybe atrata* to head the entry.

caerulescens Clémençon 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).

connatum (Schumach.) Singer

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

gangraenosum (Fr.) Gulden

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

Macrolepiota fuliginosa (Barla) Bon

This taxon was epitypified in Vizzini *et al*. [*Mycotaxon* 117: 149-164 (2011)] where it was also reduced in rank and recognised as *M. procera* forma *fuliginosa*. However, this is not the taxon formerly treated under this name in CBIB which is *M. fuliginosa* sensu Vellinga FAN5 and which, following Vizzini *et al*. (2011), should now be recognised as *M. rhodosperma* (q.v.).

Macrolepiota rhodosperma (P.D. Orton) Migl.

Move from synonymy of *M. fuliginosa* to head the entry. *M. fuliginosa* (Barla) Bon should not be recognised as a synonym but should be replaced by "Mis.: *M. fuliginosa* sensu Vellinga FAN5". *Lepiota procera* var. *fuliginosa*, a Mediterranean taxon fide. Vizzini *et al*. [*Mycotaxon* 117: 149-164 (2011)], should be removed from synonymy. Delete second sentence of **Notes** and add: "Reinstated as a distinct species following the molecular analyses in Vizzini *et al*. [*Mycotaxon* 117: 149-164 (2011)] which included a barcode sequence derived from the holotype preserved in E and collected in 1969 from Dorset (Bewley Down)."

MALLOCYBE (Kuyper) Matheny, Vizzini & Esteve-Rav., in Matheny, Hobbs & Esteve-Raventós, *Mycologia*: 10.1080/00275514.2019.1668906, 12 (2019)

Type: *Mallocybe terrigena* (Fr.) Matheny, Vizzini & Esteve-Rav.

fibrillosa (Peck) Matheny & Esteve-Rav., in Matheny, Hobbs & Esteve-Raventós, *Mycologia*: 10.1080/00275514.2019.1668906, 24 (2019)

S: !

H: In soil in damp mixed woodland with *Pinus* and *Betula*.

A collection (2021) in K from Morayshire (Beachen Wood) determined as this based on an ITS-based analysis carried out by E. Larsson.

granulosa (Jacobsson & E. Larss.) Matheny & Esteve-Rav., in Matheny, Hobbs & Esteve-Raventós, *Mycologia*: 10.1080/00275514.2019.1668906, 24 (2019)

W: !

H: In coastal dune slack soil near *Salix repens.*

A collection (2009) in K from Anglesey (Aberffraw), originally filed as *Inocybe agardhii* aff., and recently determined based on a comparison of its ITS sequence with that of the holotype (K. Liimatainen). Documented from Anglesey (Newborough Warren) with photograph in Cullington [FM21(3): 107 (2020)].

malenconii (R. Heim) Matheny & Esteve-Rav., in Matheny, Hobbs & Esteve-Raventós, *Mycologia*: 10.1080/00275514.2019.1668906, 25 (2019)
Inocybe malenconii R. Heim

E: !

H: One English collection in soil near *Fagus sylvatica*.

Delete **Notes** and move from 'excluded' list (as *I. malenconii*). Two collections (2008, 2021) in K from Buckinghamshire (Hollowhill Woods and Marlow Common) determined following analysis of their ITS sequences (E. Janke, P. Cullington, B. Douglas) and confirmed by F. Esteve-Raventós.

siciliana (Brugaletta, Consiglio & M. Marchetti) Brugaletta, Consiglio & M. Marchetti, *Index Fungorum* 448: 1 (2020)

E: !

H: In soil in wet places, including carr woodland and pond margins, with *Alnus* and/or *Salix*.

Collections (2021 and 2016) respectively from North Hampshire (Sherborne St. John) and in K from Oxfordshire (Shiplake

College) determined as this based on a comparison of their ITS sequences with that of the holotype (B. Douglas, E. Janke, UNITE).

MARASMIELLOMYCENA De la Peña-Lastra, Mateos, Kolařík, Ševčíková & Antonín, in Senanayake et al., *Fungal Diversity* 122: 361 (2023)

Type: *Marasmiellomycena pseudoomphaliiformis* Antonín & Ševčíková, in Senanayake *et al.*, *Fungal Diversity* 122: 361 (2023)

omphaliiformis (Kühner) Mateos, Kolarik, De la Pefia-Lastra, Sevcikova & Antonin, in Senanayake *et al.*, *Fungal Diversity* 122: 363 (2023)
New name for the collection previously reported as *Marasmiellus omphaliiformis* found on mossy trunk of living *Populus* in valley bottom in 2020 in West Cornwall (Trelowarren Estate) documented in Penna [FM22(1): 23-24 (2021)].

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).

Marasmiellus omphaliiformis (Kühner) Noordel., *Persoonia* 12(1): 35 (1983)
E: !
H: On mossy trunk of living *Populus* in valley bottom.
A collection (?2020) from West Cornwall (Trelowarren Estate) documented in Penna [FM22(1): 23-24 (2021)].
But see *Marasmiellomycena omphaliiformis* (above).

Marasmiellus villosipes (Cleland) J.S. Oliveira, in Oliveira, Vargas-Isla, Cabral, Rodrigues & Ishikawa, *Mycol. Progr.* 18(5): 736 (2019)
E: !
H: English collections on soil near *Pinus* sp. or in open heathland.
Three collections (2019 & 2020) from Bedfordshire (Sandy), in K from Buckinghamshire (Stoke Poges) and the Isle of Wight (Osborne House) determined as this based on their morphology and on a comparison of their ITS sequences (E. Janke, B. Douglas) with those derived from specimens originating in the USA and New Zealand and assigned to *Gymnopus villosipes* sensu Petersen & Hughes [*North American Fungi* 9(3): 1-22 (2014)].

Marasmius corbariensis (Roum.) Sacc.
Name changed to *Cryptomarasmius corbariensis* (q.v.).

Marchandiomyces quercinus (J. Erikss. & Ryvarden) D. Hawksw. & A. Henrici, *Field Mycology* 16(1): 17 (2015)
Name changed from *Corticium quercicola*.

Melanoleuca albifolia Boekhout
Melanoleuca leucophylla Métrod nom. inval.
Move to the synonymy of *M. bataillei* (q.v.) following Antonín *et al.* [*Mycologia* (2021) https://doi.org/10.1080/00275514.2021.1966246].

Melanoleuca atripes Boekhout
Move to the synonymy of *M. bataillei* (q.v.) following Antonín *et al.* [*Mycologia* (2021) https://doi.org/10.1080/00275514.2021.1966246].

Melanoleuca bataillei Malençon, *Champignon Supérieurs du Maroc* 33: 72 (1975)
Melanoleuca albifolia Boekhout
Melanoleuca leucophylla Métrod nom. inval.
Melanoleuca atripes Boekhout
Melanoleuca cinereifolia var. *cinereifolia* (Bon) Bon
Melanoleuca nivea Boekhout
E: ! **W:** !
H: In soil, leaf litter and woodchip mulch in a wide variety of habitats including coniferous and broadleaved woodland, coastal dunes, heathland, fen carr, parkland and grassland.
Two collections (2009) and part of a mixed collection (2001) in K from North Somerset (Weston-super-Mare in 2009) and Surrey (Kew Gardens in 2001), all originally determined as *M. turrita*, redetermined as *M. bataillei* based on the molecular and morphological analysis in Antonín *et al.* [*Mycologia* (2021) https://doi.org/10.1080/00275514.2021.1966246]. Move *M. albifolia*, *M. atripes* and *M. nivea*, all of which currently head separate entries, and add them to the synonymy following Antonin *et al.* (2021).

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.).

Melanoleuca cinereifolia (Bon) Bon
Note that *M. cinereifolia* var. *cinereifolia*, with an *Ammophila*-associated holotype, is moved to the synonymy of *M. bataillei* (q.v.) following Antonín *et al.* [*Mycologia* (2021) https://doi.org/10.1080/00275514.2021.1966246]. However, the *Ammophila*-associated variety *M. cinereifolia* var. *maritima* is now raised to specific rank and renamed *M. ammophila*. British and Irish collections currently filed as *M. cinereifolia* require a DNA-based study to verify their identification and to investigate whether *M. ammophila* should be added to CBIB.

Melanoleuca langei (Boekhout) Bon
Move this and its associated synonyms/misapplications to the synonymy of *M. phaeopodia* (q.v.) following Antonín *et al.* [*Mycologia* (2021) https://doi.org/10.1080/00275514.2021.1966246].

Melanoleuca nivea Boekhout
Move to the synonymy of *M. bataillei* (q.v.) following Antonín *et al.* [*Mycologia* (2021) https://doi.org/10.1080/00275514.2021.1966246].

Melanoleuca phaeopodia (Bull.) Murrill, *N. Amer. Fl.* (New York) 10(1): 20 (1914)
Melanoleuca friesii (Bres.) Bon, *Docums Mycol.* 9(no. 33): 67 (1978)
Melanoleuca langei (Boekhout) Bon
Melanoleuca subpulverulenta (Pers.) Singer
E: ! **W:** !
H: In soil, leaf litter and woodchip mulch in a wide variety of habitats including coniferous and broadleaved woodland, coastal dunes and grassland.
A collection (2003) in K from Surrey (East Sheen Common), originally determined as *M. turrita*, redetermined as *M. friesii* based on a comparison of its ITS sequence with that of the epitype in Antonín *et al.* [*Mycologia* (2021) https://doi.org/10.1080/00275514.2021.1966246]. However, these authors include an older and sanctioned Builliard name, *M. phaeopodia* (currently an excluded name in CBIB), in the synonymy of *M. friesii* and give details of a lectotype and sequenced epitype. Hence this name has priority and is adopted here. Move *M. subpulverulenta* from 'excluded' list and *M. langei*, which currently heads an entry, and add both to the synonymy following Antonin *et al.* (2021).

Melanoleuca porphyropoda X.D. Yu, in Yu, Lu, Ma, Li, Lin & Zhang, *Mycoscience* 55: 458 (2014)
E: !
H: In soil in woodland.
Described with a Chinese holotype and having a protologue that includes three English paratypes based on material (1997-2003) in K redetermined by Yu *et al.* [*Mycoscience* 55: 456-461 (2014)] based on morphological characters. The paratypes were from Buckinghamshire (Burnham Beeches), originally determined as *M. verrucipes*; Surrey (Horsell

Common) originally determined as *M. melaleuca* sensu Bon; and Westmorland (Witherslack), originally determined as *M. exscissa* sensu Breitenbach & Kränzlin.

Melzericium udicola (Bourdot) Hauerslev, *Friesia* 10(4-5): 316 (1975) [1974]
E: !
H: English collection on dead fallen stem of *Rubus idaeus* in boggy area by river.
A collection (2022) in K from Mid-west Yorkshire (Washburn Valley) determined as this based on morphological characters (A.R. Simpson).

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 *Cyphellostereum 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) Quél.
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 concolor (J.E. Lange) Kühner
S: !
H: In *Sphagnum* mound in a conifer plantation.
Move from 'excluded' list (delete associated **Notes**). A collection (2020) at K from Caithness (Chracairnie Plantation) determined as this based on morphological characters (D.J. Savage & A.M. Ainsworth). It was sequenced (A.Yu. Biketova) and its barcode did not match any GenBank sequences derived from other *Mycena* spp. associated with this habitat (e.g., *M. latifolia* and *M. megaspora*) but, currently, there are no authentic sequences of *M. concolor* in GenBank which could be used to positively confirm this determination.

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.) Quél.
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 supina (Fr.) P. Kumm., *Führ. Pilzk.* (Zerbst): 108 (1871)
E: !
H: English collection on detached *Alnus* twig suspended above ground by riverside.
An English collection (2020) from East Cornwall (Sladesbridge) documented in Hardware [FM22(3): 104-106 (2021)].

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)].

Mycenella lasiosperma (Bres.) Locq.
Mycena lasiosperma Bres.

Move from 'excluded' list. Delete **Notes** and move to head the entry currently headed by *Mycenella margaritispora* which is recognised as a younger synonym following Læssøe & Petersen (2019), who caution that "there is no consensus on this issue" and Kibby (2020).

Mycenella margaritispora (J.E. Lange) Singer
Delete misapplications and move to the synonymy of *Mycenella lasiosperma* (q.v.).

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

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

Move to synonymy of *Mycoacia*.

bispora (Stalpers) J. Erikss. & Ryvarden
Name changed to *Mycoacia bispora* (q.v.).

MYOCHROMELLA V. Hofst., Clémençon, Moncalvo & Redhead, in Hofstetter, Redhead, Kauff, Moncalvo, Matheny & Vilgalys, *Cryptog. Mycol.* 35(4): 418 (2015) [2014]

Type: *Myochromella inolens* (Fr.) V. Hofst., Clémençon, Moncalvo & Redhead
The following changes from *Tephrocybe* are required following a six-gene phylogenetic analysis [Hofstetter *et al.*, *Cryptog. Mycol.* 35(4): 399-425 (2015)]:

boudieri (Kühner & Romagn.) V. Hofst., Clémençon, Moncalvo & Redhead, in Hofstetter, Redhead, Kauff, Moncalvo, Matheny & Vilgalys, *Cryptog. Mycol.* 35(4): 418 (2015) [2014]

inolens (Fr.) V. Hofst., Clémençon, Moncalvo & Redhead, in Hofstetter, Redhead, Kauff, Moncalvo, Matheny & Vilgalys, *Cryptog. Mycol.* 35(4): 418 (2015) [2014]

NEOFAVOLUS Sotome & T. Hatt., in Sotome, Akagi, Lee, Ishikawa & Hattori, *Fungal Diversity* 58: 249 (2012) [2013]

Type: *Neofavolus alveolaris* (DC.) Sotome & T. Hatt., in Sotome, Akagi, Lee, Ishikawa & Hattori, *Fungal Diversity* 58: 250 (2012) [2013]

suavissimus (Fr.) Seelan, Justo & Hibbett, in Seelan, Justo, Nagy, Grand, Redhead & Hibbett, *Index Fungorum* 308: 1 (2016)
E: !
H: On wood of *Salix*.
Delete **Notes** and move from 'excluded' list (as *Panus suavissimus*). One collection (2023) in K from Westmorland (Blelham Bog) determined on morphological characters (P. Cowling). Further details in Cowling [FM24(4): 142-143 (2023)].

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

Type: *Neohygrocybe ovina* (Bull.) Herink
The following name changes from *Hygrocybe* are required:

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

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

ovina (Bull.) Herink, *Sb. severočesk. 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* (Bourdot & Galzin) V. Papp & Dima

alborubescens (Bourdot & 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 (Schrad.) Höhn.
Name changed to *Mucidula mucida* (q.v.).

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

Panaeolus antillarum (Fr.) Dennis
E: ! **S:** !
H: On rotting grass or herbivore dung (*Elephas* & *Equus*).
Move from 'excluded' list. Replace **Notes** with: "Collections (2002, 2013 & 2018) at K respectively from Surrey (Esher), Cheshire (Chester Zoo) and West Sussex (Henfield) and a collection (2006) at E from Midlothian (Edinburgh)." This species was noted for inclusion in update UD6 (2015) but, in error, was not incorporated in the online database.

PARALEPISTA Raithelh., *Metrodiana* 22(2): 17 (1981)

Type: *Paralepista inversa* (Scop.) Raithelh.

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

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

Paxillus olivellus P.-A. Moreau, J.-P. Chaumeton, H. Gryta & Jargeat, in Jargeat, Moreau, Gryta, Chaumeton & Gardes, *Fung. Biol.* 120(5): 722 (2016)
E: ! **S:** !
H: British collections on soil associated with *Alnus glutinosa*.
Segregated from *P. rubicundulus* s.l. following the analysis of Jargeat *et al.* [*Fung. Biol.* 120(5): 722 (2016)] which included two sequences derived from Scottish collections from Easterness (Glen Strathfarrar) and West Sutherland (Crossburn), both of which had previously been determined as

P. filamentosus. An English collection (2020) from Surrey (Richmond Park) was sequenced, determined as this and documented in Overall [FM22(3): 79-84 (2021)].

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*.

PENTTILAMYCES Zmitr., Kalinovskaya & Myasnikov, *Folia Cryptog. Petropolitana* (Sankt-Peterburg) 7: 8 (2019)

Type: *Penttilamyces romellii* (Ginns) Zmitr., Kalinovskaya & Myasnikov, *Folia Cryptog. Petropolitana* (Sankt-Peterburg) 7: 8 (2019)

lichenicola (Thorn, Malloch & Ginns) Zmitr., Kalinovskaya & Myasnikov, *Folia Cryptog. Petropolitana* (Sankt-Peterburg) 7: 8 (2019)
S: !
H: On podetia of terricolous lichens in *Cladonia* and *Stereocaulon*.
Reported in Diederich *et al*. 2022 [Flora of lichenicolous fungi vol. 1, *Basidiomycota*].

romellii (Ginns) Zmitr., Kalinovskaya & Myasnikov, *Folia Cryptog. Petropolitana* (Sankt-Peterburg) 7: 8 (2019)
Name change for *Leucogyrophana romellii*.

PERENNIPORIA Murrill

For a general guide to the segregation of *Perenniporia* and new generic placements of species formerly assigned here, see the relevant entries in Index/Species Fungorum online. New CBIB entries will be restricted to those species representing new additions to, or exclusions from, the British and Irish list and those requiring edits other than changes to their generic placement. These updates will be found under *Truncospora* and *Vanderbylia* as required.

ochroleuca (Berk.) Ryvarden
This species was originally described in 1845 from material collected in Australia. A modern Australian collection was included in the molecular analyses of Spirin *et al*. [*Nova Hedwigia* 100(1-2): 159-175 (2014)] where it was shown to be phylogenetically distinct from the species formerly recorded in Europe under this name. The latter is now recognised in the segregate genus *Truncospora* as *T. atlantica* (q.v.).

PHAEOCLAVULINA Brinkmann, *Jber. Westfäl. Prov.-Vereins* 25: 197 (1897)

Type: *Phaeoclavulina macrospora* Brinkmann
Segregated from *Ramaria*. See Index/Species Fungorum for list of species now accepted in *Phaeoclavulina*.

alboapiculata Franchi & M. Marchetti, *Index Fungorum* 457: 1 (2020)
E: ! **O:** Isle of Man: !
H: In mulched soil in gardens and parkland.
A collection (2011) in K from Middlesex (Holland Park), originally determined as *P.* (*Ramaria*) *curta*, redetermined as this based on a comparison of its ITS sequence (C. Weinberger) with those of the holotype and paratypes. Two more recent collections (2013) in K from Middlesex (Chelsea) and South Essex (Little Baddow) determined as this based on similar comparisons of their ITS barcodes (L.M. Suz) with those from type materials. One collection (2016) in K from the Isle of Man (The Curraghs) also determined as this based on barcode (K. Liimatainen) comparisons.

minutispora Franchi & M. Marchetti, *Index Fungorum* 457: 3 (2020)
E: !
H: In soil and woody debris near trees.
A collection (2017) in K from South Lancashire (Speke Hall), originally determined on ITS barcode evidence as *Ramaria decurrens* sensu Martín *et al*. [*PLoS One* 15(8): e0237507 (2020)], redetermined as this based on subsequent matching with sequences derived from the holotype and paratype (K. Liimatainen, A.M. Ainsworth). A collection (2021) in K from Oxfordshire (Blenheim Estate) was similarly determined (A.Yu. Biketova, A.M. Ainsworth).

PHAEOTREMELLA Rea, *Trans. Br. mycol. Soc.* 3(5): 377 (1912) [1911]

Type: *Phaeotremella pseudofoliacea* Rea, *Trans. Br. mycol. Soc.* 3(5): 377 (1912) [1911]

Genus reinstated for some *Tremella* spp. including *T. foliacea* sensu CBIB 2005, which is now recognised as three distinct species (part of the *Phaeotremella foliacea* group): *P. foliacea* s.str. associated with *Stereum sanguinolentum* on conifers; *P. frondosa*, which was in the 'excluded' list in CBIB 2005 but now in the 'included' list as an associate of *Stereum* spp. on broadleaved trees; and *P. fimbriata*, associated with *S. rugosum* but not yet recorded in Britain & Ireland. The CBIB 2005 synonymy also included *T. succinea*, but the identity of this species is regarded as vague in Spirin *et al*. [*Mycological Progress* 17: 451-466 (2018)].

foliacea (Pers.) Wedin, J.C. Zamora & Millanes, *Mycosphere* 7(3): 296 (2016)
Gyraria foliacea (Pers.) Gray*, Nat. arr. Brit. pl.* 1: 594 (1821)
Ulocolla foliacea (Pers.) Bref.*, Unters. Gesammtgeb. Mykol.* 7: 98 (1888)
Exidia foliacea (Pers.) P. Karst., *Bidr. Känn. Finl. Natur. Och. Folk* 48: 449 (1889)
E: ! **S:** ! **NI:** !
H: see above

frondosa (Fr.) Spirin & Malysheva, in Spirin, Malysheva, Yurkov, Miettinen & Larsson, *Mycol. Progr.* 17(4): 464 (2018)
Tremella nigrescens Fr.*, Summa veg. Scand.*: 341 (1849)
Phaeotremella pseudofoliacea Rea*, Trans. Brit. Mycol. Soc.* 4(5): 377 (1912) [1911]
E: ! **W:** ! **S:** ! **O:** Channel Islands !
H: see above

simplex (H.S. Jacks. & G.W. Martin) Millanes & Wedin, in Liu, Wang, Göker, Groenewald, Kachalkin, Lumbsch, Millanes, Wedin, Yurkov, Boekhout & Bai, *Stud. Mycol.* 81: 138 (2015)
Tremella simplex H.S. Jacks. & G.W. Martin

Phanerochaete galactites (Bourdot & Galzin) J. Erikss. & Ryvarden, *Cortic. N. Eur.* (Oslo) 5: 1005 (1978)
W: !
H: Welsh collection on dead stem of *Rubus fruticosus* agg.
A Welsh collection at K (2019) from Glamorganshire (Kenfig).

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

PHELLINOPSIS 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.) Quél.
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*.

secretus Niemelä & Kinnunen, in Niemelä, Kinnunen, Renvall & Schigel, *Karstenia* 43(2): 38 (2003)
E: !
H: English collection in acid soil under *Castanea* in *Pinus* plantation.
Two collections (2022, 2023) in K from Berkshire (Swinley Forest) determined on morphological characters (spore size) and by comparing a derived ITS sequence (R. Woods, A. Dombrowski & A.M. Ainsworth) with that of the holotype.

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.

Phlegmacium hemicaeruleum (Brotzu, Lorenzon, Padovan, Bellù & Dima) Brandrud, Dima, G. Saar & Schmidt-Stohn, in Saar, Schmidt-Stohn, Brandrud & Dima, *Journal des JEC*, Journées Européenes du Cortinaire 24: 58 (2022)
S: !
H: Scottish collection on soil under *Pinus*.
A collection (2023) from Easterness (Loch an Eilein) determined by comparing its ITS sequence with that derived from the holotype (M. Tortelli, C.V. Soler, G.G. Kibby, Aberystwyth University IBERS). This combination was published twice in Oct. 2022 (P.M. Kirk) and priority is still under investigation. The competing combination is *P. hemicaeruleum* (Brotzu, Lorenzon, Padovan, Bellù & Dima) Niskanen & Liimat., in Niskanen & Liimatainen, *Index Fungorum* 528: 9 (2022).

Phlegmacium olidoamethysteum (Rob. Henry & Ramm) Niskanen & Liimat., in Liimatainen, Kim, Pokorny, Kirk, Dentinger & Niskanen, *Fungal Diversity*: 10.1007/s13225-022-00499-9, [60] (2022)
W: !
H: Welsh collection in acid soil under *Fagus*.
A collection (2017) from Caernarvonshire (Capel Curig) determined following DNA barcode analysis (K. Liimatainen in litt.).

Phlegmacium populinum (Brandrud) Niskanen & Liimat., in Liimatainen, Kim, Pokorny, Kirk, Dentinger & Niskanen, *Fungal Diversity*: 10.1007/s13225-022-00499-9, [61] (2022)
S: !
H: Scottish collection on soil in mixed woodland.
A collection (2023) from Easterness (Loch Insh) determined by comparing its ITS sequence (identical) with that derived from the holotype (M. Tortelli, A. Burnham, C.V. Soler, G.G. Kibby, Aberystwyth University IBERS). Further details in Tortelli *et al*. [FM25(1): 8-14 (2024)].

Phlegmacium triumphale (Bidaud, Moënne-Locc. & Reumaux) Niskanen & Liimat., in Liimatainen, Kim, Pokorny, Kirk, Dentinger & Niskanen, *Fungal Diversity*: 10.1007/s13225-022-00499-9, [66] (2022)
E: !
H: English collection in soil under *Fagus*.
A collection (2021) in K from Buckinghamshire (Gussetts Wood), originally determined as *Cortinarius obsoletus* using morphological characters, was redetermined as this based on matching its barcode sequence (identical) with that derived from the holotype (A.Yu. Biketova).

Pholiota chocenensis Holec & M. Kolařík, *Mycol. Progr.* 13(2): 401 (2013) [2014]
E: !
H: On a woodchip pile.
A collection (2021) from East Sussex (Byerly Wood), determined as this based on a comparison of its ITS sequence with that of the holotype and paratype (N. Aplin). Further details and photos are posted online at https://www.sussexfungusgroup.co.uk and documented in Aplin [FM22(3): 85-90 (2021)].

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 (Schrad.) 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 hongoi Singer, *Fieldiana, Bot.* 21: 95 (1989)
New name for *P. nothopellitus* (which becomes a later synonym). An additional (2021) collection determined on morphological characters documented in Anon [FM23(1): 25 (2022)] and in Overall [FM23(2): 50-55 (2022)] from Middlesex (Bushy Park) on woodchips. A collection (2005) in K from East Sussex (Cuttinglye Wood), originally determined as *P. pellitus*, was redetermined as this based on a comparison of its ITS sequence with that of the holotype (K. Liimatainen, A.M. Ainsworth). Collections formerly assigned to *P. pellitus* or *P. nothopellitus* and subsequently reassigned to *P. hongoi* should be re-examined and sequenced, if possible, to confirm their identification.

Pluteus nothopellitus Justo & M.L. Castro
Entry to be headed by *Pluteus hongoi* (q.v.).

Pluteus pallescens P.D. Orton
Move from synonymy of *P. satur* to the synonymy of *P. romellii*. The type of *P. pallescens* in K from East Norfolk (Wheatfen Carr) was sequenced and its barcode was found to match that derived from the epitype of *P. romellii* as documented in Ševčíková *et al*. [*Journal of Fungi* (2022): 8, 773. https://doi.org/10.3390/jof8080773].

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 albofloccosa Arenal, M. Villarreal & Esteve-Rav., *Mycotaxon* 87: 173 (2003)
Accepted based on a collection whose morphological characters were confirmed by F. Esteve-Raventós (R. Skipper).

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 tenuicula (P. Karst.) Örstadius & Hühtinen
Psathyra tenuicula P. Karst.
Coprinellus parvulus (P.-J. Keizer & Uljé) Házi, L. Nagy, Papp & Vágvölgyi, in Házi, Nagy, Vágvölgyi & Papp, *Mycol. Progr.* 10(3): 367 (2011)
E: !
H: On herbivore dung.
This was placed in the 'excluded' list in UD4 (2009) based on an erroneous interpretation of a published study: "Listed as British by …. Larsson & Örstadius [*Mycol. Res.* 112(10): 1165-1185 (2008)], but without voucher material." On the contrary, however, that study included a sequenced British collection (1997) in K found on horse dung in Buckinghamshire (Burnham Beeches) and initially accessioned as *P.* cf. *sphaerocystis*. Move from 'excluded' list and delete **Notes**. A more recent collection from deer dung in Norfolk was determined as *C. parvulus* based on morphological characters (Y. Mynett, D.J. Schafer) and subsequently molecularly confirmed as *P. tenuicula* (B. Douglas). This species is currently treated in a wide sense, following Larsson & Örstadius (2008), but if a narrower species concept is adopted in future, it is likely that the two known British collections would be assigned to different species.

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.).

PSEUDOSPERMA Matheny & Esteve-Rav., in Matheny, Hobbs & Esteve-Raventós, *Mycologia*: 10.1080/00275514.2019.1668906, 11 (2019)
Type: *Pseudosperma sororium* (Kauffman) Matheny & Esteve-Rav.

flavellum (P. Karst.) Matheny & Esteve-Rav., in Matheny, Hobbs & Esteve-Raventós, *Mycologia*: 10.1080/00275514.2019.1668906, 28 (2019)
Move from *Inocybe* and move *I. xanthocephala* from synonymy to head of new entry as *P. xanthocephalum* (q.v.).

maleolens (Carteret & Reumaux) Matheny & Esteve-Rav., in Matheny, Hobbs & Esteve-Raventós, *Mycologia*: 10.1080/00275514.2019.1668906, 30 (2019)
E: !
H: In soil under *Quercus* and *Corylus*.
A collection (2023) from Buckinghamshire (Rushbeds Wood) determined by comparing its ITS sequence (>99.9% similarity) with GenBank sequences derived from two French collections made by Reumaux in 1999 (E. Janke & P. Cullington).

rimosum (Bull.) Matheny & Esteve-Rav., in Matheny, Hobbs & Esteve-Raventós, *Mycologia*: 10.1080/00275514.2019.1668906, 31 (2019)
Move from *Inocybe* (see comments for *I. umbrinella*).

spurium (Jacobsson & E. Larss.) Matheny & Esteve-Rav., in Matheny, Hobbs & Esteve-Raventós, *Mycologia*: 10.1080/00275514.2019.1668906, 31 (2019)
S: !

H: On soil in woodland.
Included as British following Cullington [FM21(3): 102-107 (2020)] based on an analysis of sequenced material from Caithness (E. Larsson).

umbrinellum (Bres.) Matheny & Esteve-Rav., in Matheny, Hobbs & Esteve-Raventós, *Mycologia*: 10.1080/00275514.2019.1668906, 32 (2019)
Move from *Inocybe* (see comments for *I. umbrinella*).

xanthocephalum (P.D. Orton) Matheny & Esteve-Rav., in Matheny, Hobbs & Esteve-Raventós, *Mycologia*: 10.1080/00275514.2019.1668906, 32 (2019)
Move from synonymy of *Inocybe flavella* and recognise (again) as a distinct species following Cullington [FM21(3): 102-107 (2020)].

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).

Ramaria atractospora Franchi & M. Marchetti, *Index Fungorum* 457: 4 (2020)
E: ! **W:** !
H: In soil in broadleaved woodland, e.g. with *Castanea* and *Fagus*.
Six collections (1983-2013) in K from Breconshire (Cwm Clydach), Mid-west Yorkshire (Fountains Abbey), West Gloucestershire (Forest of Dean), West Kent (Mereworth Woods) and West Lancashire (Gait Barrows), originally determined as *R. aurea*, redetermined as this based on a comparison of their ITS sequences with that of the holotype. All historical collections filed under *R. aurea* should be viewed with caution and re-examination/sequencing is now required to check their determinations. Further details of the two Gloucestershire collections are in Mattock *et al.* [FM23(2): 48-49 (2022).

Ramariopsis asperulospora (G.F. Atk.) Corner, *Monograph of Clavaria and allied Genera*, (Annals of Botany Memoirs No. 1): 638 (1950)
Currently accepted name for the species treated under *Clavaria asperulispora* G.F. Atk. in the online CBIB. Note that Atkinson originally used the spelling *asperulospora* which was later "corrected" by Saccardo and adopted in IF/SF and CBIB. This correction is now regarded as erroneous (S.R. Pennycook) and the epithet reverts to its original spelling as shown in Corner's recombination above and in IF/SF.

Ramariopsis avellaneo-inversa R.H. Petersen, *Bull. N.Z. Dept. Sci. Industr. Res., Pl. Dis. Div.* 236: 135 (1988)
W: !
H: In grassland soil.
Detected at 29 out of 30 grassland sites sampled in an e-DNA soil analysis (Aberystwyth Univ.) carried out in 2022 across Monmouthshire and documented in Dunkelman [FM24(3): 96-98 (2023)].

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

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

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*.

Rhizopogon pseudoroseolus A.H. Sm., *Mem. N. Y. bot. Gdn* 14(2): 89 (1966)
W: !
H: In soil under *Pinus* sp. planted on coal spoil.
A collection (2016) in K from S. Wales determined as this based on a comparison of its ITS sequence (A.Yu. Biketova) with those of three paratypes published in Martín & García [*Mycotaxon* 109: 111-128 (2009)].

Rhodocollybia asema (Fr.) Bendiksen & Dima, in Dima et al., *Sydowia* 73: 329 (2021)
Move from synonymy of *R. butyracea* (as forma *asema*) and restore the original CBIB entry. This was originally recognised as a distinct taxon (at varietal rank) in the printed book (2005) and noted as being more frequent than var. *butyracea*, but it was subsequently excluded as a distinct taxon and incorporated in the synonymy of *R. butyracea* (and reduced to a forma) in UD5 in 2011. The taxonomy now follows Dima *et al.* [*Sydowia* 73: 271-340 (2021)] who include soil-DNA-based evidence that this species is present in Britain, at least sensu Dima & Bendiksen (2021) and sensu Antonín & Noordeloos [A monograph of marasmioid and collybioid fungi in Europe, IHW-Verlag (2010)].

Rhodocollybia filamentosa (Velen.) Antonín, *Čas. morav. Mus. Brne*, Vědy Přírodní 71(1-2): 91 (1986)
S: !
H: Scottish collection on sandy soil under *Pinus sylvestris*.
A collection (2020) from Easterness (The Queen's Forest), determined as this by G.G. Kibby.

Rhodocybe asanii Seslı & Vizzini, *Turkish Journal of Botany* 41(2): 202 (2017)
E: !
H: On soil with needle litter of *Picea*.
A collection (2020) from East Sussex (Tilgate Park), determined as this based on a comparison of its ITS sequence with that of the holotype (N. Aplin).

Rhodocybe asyae Seslı & Vizzini, *Turkish Journal of Botany* 41(2): 205 (2017)
E: !
H: On soil of a grassy verge under *Pinus*.
A collection (2019) from East Sussex (Tilgate Park), determined as this based on a comparison of its ITS sequence with that of the holotype and published with a photograph in Aplin [*Adastra 2019* (Sussex Biodiversity Record Centre): 5 (2020)].

Rhodocybe fumanellii Ferrari, Vizzini & Fellin, in Vizzini, Ferrari, Ercole & Fellin, *MycoKeys* 36: 26 (2018)
E: !
H: On decomposing log pile in broadleaved woodland.
A collection in K (2020) from Buckinghamshire (Rushbeds Wood), determined as this based on a comparison of its ITS sequence with that of the holotype (P. Cullington, E. Janke, B. Douglas) and illustrated in Cullington [*BMS Newsletter* 2021(1): 5-6].

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 annae Sarnari, *Micol. Veg. Medit.* 6(2): 120 (1991)
E: !
H: English collection on soil near *Quercus cerris*.
A collection (2019) from South Hampshire (Hursley Park), which was sequenced by E. Janke *et al.* as MW487955 (originally labelled in GenBank as *R. odorata*), was re-analysed (F. Hampe, comm. G.G. Kibby) and the sequence was found to match that derived from the holotype of *R. annae*, hence the collection is redetermined and GenBank has been updated accordingly.

Russula anthracina Romagn.
Move *R. fuliginosa* from 'excluded' list to the synonymy of this species following De Lange *et al.* [*Persoonia* 51: 152-193 (2023)]. Remove *R. anthracina* var. *carneifolia* (nom. inval.) from synonymy as De Lange *et al.* (2023) have shown that this taxon should now be recognised as *R. atramentosa* Sarnari (not currently on the British list).

Russula arvernensis Bidaud & Chalange, *Bull. Soc. mycol. Fr.* 138(1-2): 13 (2022)
S: !
H: Scottish collection on soil under *Betula* and *Populus tremula*.
A collection (2023) from Morayshire (Beachen Wood) determined on morphological characters and barcode matching (99+% similarity) with a sequence derived from the holotype (C.V. Soler, G.G. Kibby, Aberystwyth University IBERS). Further details in Tortelli *et al.* [FM25(1): 8-14 (2024)].

Russula atroglauca Einhell.
E: !
H: On soil with broadleaved trees.
Move from 'excluded' list. Collections (1997 & 2014) at K from Cumberland (Keswick) and Middlesex (Kenwood). [This entry was originally in UD6 but was erroneously omitted from the online searchable database.]

Russula aurantioflammans Ruots., Sarnari & Vauras, in Sarnari, *Monografia Illustrata del Genere Russula in Europa* 1: 717 (1998)
S: !
H: Scottish collection on soil near *Populus tremula* and *Betula*.
A collection (2022) in K from Morayshire (Beachen Wood) determined as this based on morphological characters and barcode matching with vouchers so labelled in GenBank (Alvalab, M. Tortelli & G.G. Kibby). Documented in Tortelli *et al.* [FM23(4): 127-133 (2022)].

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 camarophylla Romagn., *Bull. mens. Soc. linn. Lyon* 37: 105 (1967)

E: !
H: English collection on soil in mixed woodland.
A collection (2021) in K from East Cornwall (Lanhydrock) determined as this based on morphological characters, documented in Penna & Kibby [FM23(1): 20-21 (2022)] and subsequently confirmed (as *R. camarophylla* sensu Eberhardt, Buyck & Moreau) by sequencing and barcode matching (A.Yu. Biketova, A.M. Ainsworth).

Russula flavispora Romagn., *Russules d'Europe Afr. Nord* (Bordas): 235 (1967)
E: !
H: English collection on soil in broadleaved woodland.
A collection (2022) in K from Surrey (White Downs) determined as this based on morphological characters (G.G. Kibby).

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 mustelina Fr.
Move to 'excluded' list because the two British collections (ex Herb.M.J. Berkeley 1877) so-named in K and collected in Buckinghamshire (Slough), an unlikely locality for a species associated with montane conifers, were redetermined as *R. heterophylla* following morphological examination (G.G. Kibby).

Russula nitida (Pers.) Fr.
Russula sphagnophila Kauffman
Delete "sensu Rea [TBMS 17: 45 (1932)], sensu auct. mult." from the synonym *R. sphagnophila* and replace with "Kauffman". *R. sphagnophila* sensu Rea is *R. nitida*. The name *R. sphagnophila* was formerly used as the head of an entry due to misapplication of the name in the sense of Romagnesi. That entry is now headed by *R. robertii* (q.v.). This synonymy follows Sarn2 and further details are in Kibby [FM22(4): 111-112 (2021)].

Russula nuoljae Kühner, *Bull. trimest. Soc. mycol. Fr.* 91(3): 388 (1975)
S: !
H: Scottish collections on soil near *Betula*.
A collection (2020) in K from Easterness (Abernethy) determined as this based on matching its barcode ITS with those of vouchers so labelled in GenBank (Alvalab, M. Tortelli). However, there is an earlier Scottish record supported by a sequenced specimen and documented in Adamčík *et al*. [*Mycologia* 108(4): 716-730 (2017)].

Russula recondita Melera & Ostellari, in Melera, Ostellari, Roemer, Avis, Tonolla, Barja & Narduzzi-Wicht, *Mycol. Progr.*: 10.1007/s11557-016-1256-y, [12] (2016)
E: ! **S:** !
H: On soil and, in Britain, usually associated with *Quercus* or *Tilia* but also detected in an ectomycorrhizal root of *Pinus sylvestris*.
A collection (2020) in K from East Norfolk (Norwich), originally determined as *Megacollybia platyphylla* was redetermined as this based on a comparison (99.9% match) of its ITS sequence with that of the holotype and with other conspecific sequences of UK origin (England, Scotland) in the UNITE database (R. Wright). Kibby [FM19(3): 75-76 (2018)] stated that this species is "quite common" in Britain, however it should be noted that historical records were probably filed under *Russula praetervisa* or *R. pectinatoides*.

Russula robertii J. Blum, *Bull. trimest. Soc. mycol. Fr.* 69: 443 (1954)
Mis. : *R. sphagnophila* sensu Romagnesi *et al*.
This name to head the entry formerly headed by *R. sphagnophila*. The latter is now moved to the synonymy of *R. nitida* following Sarn2 and further details are in Kibby [FM22(4): 111-112 (2021)].

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 Charactères 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**.

Russula violaceoincarnata Knudsen & T. Borgen, *Persoonia* 14(4): 509 (1992)
S: !
H: On soil near *Betula* sp. along a grassy forest path.
A collection (2019) from Easterness or Moray (Abernethy Forest), determined as this based on a comparison of its ITS sequence with those obtained by Finnish authors (R. Wright) and documented in Tortelli [FM21(4): 126-128 (2020)].

SAGARANELLA V. Hofst., Clémençon, Moncalvo & Redhead, in Hofstetter, Redhead, Kauff, Moncalvo, Matheny & Vilgalys, *Cryptog. Mycol.* 35(4): 418 (2015) [2014]
Type: *Sagaranella tylicolor* (Fr.) V. Hofst., Clémençon, Moncalvo & Redhead
The following changes from *Tephrocybe* are required following a six-gene phylogenetic analysis [Hofstetter *et al*., *Cryptog. Mycol.* 35(4): 399-425 (2015)]:

gibberosa (Jul. Schäff.) V. Hofst., Clémençon, Moncalvo & Redhead, in Hofstetter, Redhead, Kauff, Moncalvo, Matheny & Vilgalys, *Cryptog. Mycol.* 35(4): 419 (2015) [2014]
E: ! **S:** !
H: In coniferous litter, nitrophilous.
Move *Tephrocybe gibberosa*, *Lyophyllum gibberosum* and *Collybia gibberosa* from the synonymy of *T. ambusta* (now recognised as *Lyophyllum ambustum)* to the synonymy of this new entry. This was recognised as a British species and one which was distinct from *T. ambusta* (post NCL) by Orton [*Notes R. bot. Gdn Edinb.* 29(1): 76 (1969)], a distinction supported by Hofstetter *et al*. [*Cryptog. Mycol.* 35(4): 399-425 (2015)]. Orton stated that this differed from *T. ambusta* i.a. in not necessarily being associated with burnt ground. A 2001

collection at E from Peeblesshire (Dawyck), an Orton (1967) collection from Mid Perthshire (Camghouran) and two collections (1975 & 1991) at K from Warwickshire (Sutton Coldfield).

tylicolor (Fr.) V. Hofst., Clémençon, Moncalvo & Redhead, in Hofstetter, Redhead, Kauff, Moncalvo, Matheny & Vilgalys, *Cryptog. Mycol.* 35(4): 419 (2015) [2014]
Sagaranella tesquorum (Fr.) V. Hofst., Clémençon, Moncalvo & Redhead, in Hofstetter, Redhead, Kauff, Moncalvo, Matheny & Vilgalys, *Cryptog. Mycol.* 35(4): 419 (2015) [2014]

Sarcodon glaucopus Maas Geest. & Nannf.
Move to 'excluded' list. British material now filed under *H. scabrosum* (q.v.).

Sarcodon ioeides (Pass.) Bataille
Name changed to *Hydnellum ioeides* (q.v.).

Sarcodon regalis Maas Geest.
Move to synonymy of entry headed by *Hydnellum lepidum* (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 are likely to be *Hydnellum fagiscabrosum* (q.v.).
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 australe Massee, *Grevillea* 18(no. 86): 26 (1889)
E: !
H: Detected in isolated ectomycorrhizal root tips of planted *Eucalyptus* spp. (imported from Spain as seedlings).
One of the barcode sequences derived from root tip collections (2010) from Nottinghamshire (Daneshill Energy Forest) documented in Pennington *et al.* [*Fungal Ecology* 4: 299-302 (2011)] was subsequently determined following the molecular analysis of Ortiz-Rivero *et al.* [*Phytotaxa* 510(1): 1-17 (2021)].

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).

Serpula pulverulenta (Sowerby) Bondartsev
E: ! (oak-associated collections)
H: On rotten coniferous timber in buildings and a characteristic but rare species of brown-rotted heartwood of ancient *Quercus* trunks and main branches.
Move from list of aliens (UD4) where it was placed because it was formerly regarded as "restricted to conifer timber in buildings" and delete **Notes**. Now known to be present in ancient oak woodlands in England with collections in K (2004 onwards) from Berkshire (Windsor Great Park), Buckinghamshire (Burnham Beeches), North Somerset (Ashton Court Estate), Oxfordshire (Blenheim Estate) and South Essex (Epping Forest). These collections were determined based on morphological characters (A.M. Ainsworth) and two (Blenheim and Epping) were confirmed based on matching their ITS barcodes with those derived from collections made on decaying coniferous timber (A.Yu. Biketova & K. Liimatainen). Further details in Ainsworth & Liimatainen [FM23(2): 57-62 (2022)]. Move to *Meruliporia* if *Serpula* segregates are preferred.

SERTULICIUM Spirin, Volobuev & K.H. Larss., in Spirin, Volobuev, Viner, Miettinen, Vlasák, Schoutteten, Motato-Vásquez, Kotiranta, Hernawati & Larsson, *Mycol. Progr.* 20(4): 460 (2021)
Type: *Sertulicium niveocremeum* (Höhn. & Litsch.) Spirin & K.H. Larss.

granuliferum (Hallenb.) Spirin & Volobuev, in Spirin, Volobuev, Viner, Miettinen, Vlasák, Schoutteten, Motato-Vásquez, Kotiranta, Hernawati & Larsson, *Mycol. Progr.* 20(4): 461 (2021)
E: !
H: English collection on dead wood of *Corylus*.
A collection (2020) from South Hampshire (Crab Wood) determined as this based on its morphology and on a comparison of its ITS sequence (E. Janke) with that of the holotype of *Sistotremastrum guttuliferum*, which was placed in the synonymy of *Sertulicium granuliferum* in Spirin *et al.* [*Mycol. Progr.* 20(4): 453-476 (2021)].

niveocremeum (Höhn. & Litsch.) Spirin & K.H. Larss., in Spirin, Volobuev, Viner, Miettinen, Vlasák, Schoutteten, Motato-Vásquez, Kotiranta, Hernawati & Larsson, *Mycol. Progr.* 20(4): 466 (2021)
Sistotremastrum niveocremeum (Höhn. & Litsch.) J. Erikss.
New heading for entry currently headed by *Sistotremastrum niveocremeum* (which now becomes a synonym) following the molecular studies of Spirin *et al.* [*Mycol. Progr.* 20(4): 453-476 (2021)].

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*)

Simocybe rhabarbarina L. Poli, Musumeci & P. Alvarado, *Boll. Assoc. Micol. Ecol. Romana* 96: 23 (2015)
O: Channel Isles: !
H: On fallen branch of *Salix cinerea* agg. in streamside swamp.
A collection (2014) in K from Jersey (Vingtaine du Coin Motier), originally determined as *Pleuroflammula* cf. *ragazziana*, redetermined as this based on a comparison of its ITS sequence (RBGK/Smithsonian Institution's NMNH) with that of a paratype and a comparison of its morphology with the description in the protologue (A.M. Ainsworth).

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.).

SOMION Adans., Familles des plantes 2: 5. 1763.

Type: *Hydnum occarium* Batsch

occarium (Batsch) Spirin & Miettinen, in Miettinen, Vlasák, Larsson, Vlasák, Sathiya Seelan, Hernawati, Levicky, Larsson & Spirin, *Fungal Systematics and Evolution* 12: 311 (2023)
Mis.: *Spongipellis delectans* s. auct. Eur.

Spongipellis delectans (now *Somion delectans*) is a North American species with a European sibling *S. occarium*. Hence the latter name should now head the CBIB entry formerly headed by *S. delectans*. This name change follows the molecular analyses of Miettinen *et al*. [*Fungal Systematics and Evolution* 12: 271-322 (2023)] who published a photograph of a Surrey collection in K that they redetermined (without sequencing data) as *S. occarium*.

SPHAGNURUS Redhead & V. Hofst., in Redhead, *Index Fungorum* 202: 1 (2014)

Type: *Sphagnurus paluster* (Peck) Redhead & V. Hofst.
The following change from *Tephrocybe* is required following a six-gene phylogenetic analysis [Hofstetter *et al*., *Cryptog. Mycol.* 35(4): 399-425 (2015)]:

paluster (Peck) Redhead & V. Hofst., in Redhead, *Index Fungorum* 202: 1 (2014)
Name changed from *Tephrocybe palustris*.

Squamanita contortipes (A.H. Sm. & D.E. Stuntz) Heinem. & Thoen
Move to 'excluded' list as a synonym of *Dissoderma contortipes* (q.v.) and remove *S. scotica* from synonymy. This species is now regarded as a North American taxon. Its European counterpart, originally given the invalid name *S. scotica*, is now recognised as *D. galerinicola* (q.v.) following Saar *et al*. [*Mycologia* 114(4): 769-797 (2022)]. Delete **Habitat** and **Distribution** data and **Notes**.

Squamanita odorata (Cool) Imbach
Move to synonymy of *Dissoderma odoratum* (q.v.).

Squamanita paradoxa (A.H. Sm. & Singer) Bas
Move to synonymy of *Dissoderma paradoxum* (q.v.).

Squamanita pearsonii Bas
Move to synonymy of *Dissoderma pearsonii* (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).

TEPHROCYBE Donk

The following changes are required in accordance with molecular data in Hofstetter *et al*. [*Cryptog. Mycol.* 35(4): 399-425 (2015)]

ambusta (Fr.) Donk
Move *Lyophyllum ambustum* from synonymy to head this entry. Move *T. gibberosa*, *Lyophyllum gibberosum* and *Collybia gibberosa* from the synonymy of this to the synonymy of *Sagaranella gibberosa* (q.v.) and delete second sentence of **Notes**.

anthracophila (Lasch) P.D. Orton
Move to synonymy of *Lyophyllum anthracophilum* (q.v.).

atrata (Fr.) Donk
Move *Lyophyllum atratum* from synonymy to head this entry.

boudieri (Kühner & Romagn.) Derbsch
Name changed to *Myochromella boudieri* (q.v.).

inolens (Fr.) M.M. Moser
Name changed to *Myochromella inolens* (q.v.).

palustris (Peck) Donk
Name changed to *Sphagnurus paluster* (q.v.).

tylicolor (Fr.) M.M. Moser
Name changed to *Sagaranella tylicolor* (q.v.).

Thaxterogaster glaucocyanopus (Rob. Henry) Niskanen & Liimat., in Liimatainen, Kim, Pokorny, Kirk, Dentinger & Niskanen, *Fungal Diversity*: 10.1007/s13225-022-00499-9, [72] (2022)
S: !
H: Scottish collection on soil under *Betula* in mixed woodland.
A collection (2023) from Easterness (Loch Insh) determined following barcode matching (99.8% similarity) with a sequence derived from the holotype (M. Tortelli, A. Burnham, C.V. Soler, G.G. Kibby, Aberystwyth University IBERS). Further details in Tortelli *et al*. [FM25(1): 8-14 (2024)].

Thaxterogaster monaensis Liimat., Danhao Wang & Niskanen, in Liimatainen, Wang, Savage, Niskanen & Kytövuori, *Index Fungorum* 524: 2 (2022)
W: !
H: In soil in mixed woodland.
Described with a sequenced Welsh holotype, now in K, collected in 2014 from Anglesey (Cae-brŷch).

Thaxterogaster reginae Niskanen, Liimat., Kytöv. & Danhao Wang, in Liimatainen, Wang, Savage, Niskanen & Kytövuori, *Index Fungorum* 524: 1 (2022)
E: !
H: In calcareous soil associated with *Fagus sylvatica*.
Described with a sequenced English paratype, now in K, collected in 2018 from Buckinghamshire (Pullingshill Wood).

Thaxterogaster subpurpurascens (Batsch) Niskanen & Liimat., in Liimatainen, Kim, Pokorny, Kirk, Dentinger & Niskanen, *Fungal Diversity*: 10.1007/s13225-022-00499-9, [77] (2022)
E: !
H: English collection in chalky soil under *Fagus*.
Move from 'excluded' list (as *Cortinarius subpurpurascens*). A collection (2022) in K from Buckinghamshire (Mousells Wood) determined by comparing its ITS sequence (Alvalab, K. Liimatainen) with that of the epitype as documented in Anon. [FM24(2): 68 (2023)].

Thaxterogaster ultimus Liimat., Danhao Wang, D. Savage & Niskanen, in Liimatainen, Wang, Savage, Niskanen & Kytövuori, *Index Fungorum* 524: 1 (2022)
S: !
H: In soil associated with *Picea*.

Described with a sequenced Scottish holotype, now in K, collected in 2020 from Caithness (Loch Eileanach Plantation).

Thaxterogaster vespertinus (Fr.) Niskanen & Liimat., in Liimatainen, Kim, Pokorny, Kirk, Dentinger & Niskanen, *Fungal Diversity*: 10.1007/s13225-022-00499-9, [78] (2022)
S: !
H: Scottish collection in soil under *Pinus sylvestris*, *Betula*, and *Picea*.
Move from 'excluded' list (as *Cortinarius vespertinus*) and delete existing **Notes**. A collection (2023) from Easterness (Duackbridge) determined on its distinctive morphology (subglobose spores) and by comparing its ITS sequence (M. Tortelli, A. Burnham, C.V. Soler, G.G. Kibby, Aberystwyth University IBERS) with that of the holotype of *C. variipes* (98.7%). *C. vespertinus* is currently in need of a sequenced type, but it is accepted, at least sensu auct., as providing an earlier name for this species in Liimatainen *et al.* [*Persoonia* 33: 98-140 (2014)]. Further details in Tortelli *et al.* [FM25(1): 8-14 (2024)].

Tomentella botryoides (Schwein.) Bourdot & Galzin
W: !
H: Welsh collection under a rotten log of broadleaved tree in mixed woodland.
Move from 'excluded' list. A collection (2021) from Merionethshire (Portmeirion) determined as this [sensu Svantesson *et al.* (2021)] by comparing its ITS sequence (Alvalab) with those of reference materials published in Svantesson *et al.* [*Phytotaxa* 497(2): 61-78 (2021)].

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 ramosossimum* 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 *Coriolopsis 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 aspiciliae Diederich, Coppins & A. Fletcher, in Diederich, Millanes & Etayo, in Diederich, Millanes, Wedin & Lawrey, *Flora of Lichenicolous Fungi*, Vol. 1 - Basidiomycota (Luxembourg): 138 (2022)
W: !
H: Welsh collection on thallus of *Aspicilia caesiocinerea*.
Described with a Welsh holotype from Caernarvonshire (Bardsey Island) in Herb. LSR.

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 conidiopunctelia Diederich, Millanes, Lendemer, D.P. Waters & Giavarini, in Diederich, Millanes & Etayo, in Diederich, Millanes, Wedin & Lawrey, *Flora of Lichenicolous Fungi*, Vol. 1 - Basidiomycota (Luxembourg): 157 (2022)
E: !
H: On corticolous thalli of *Punctelia* species.
Described with English paratypes from South Hampshire (New Forest). A *Tremella* species in which basidia and basidiospores are absent and replaced in the hymenium by conidiophores, conidiogenous cells and conidia.

Tremella imshaugiae Diederich, Coppins, R.C. Harris, Millanes & Wedin, *Bull. Soc. Nat. luxemb.* 121: 242 (2020)
S: !
H: On thalli of *Imshaugia aleurites*.
Scottish holotype (2013) and paratype (1999) collections at E, respectively from Easterness (Glen Feshie) and South Aberdeen (valley of Allt na Claise Moire).

Tremella macrobasidiata J.C. Zamora, Pérez-Ort. & V.J. Rico, *Lichenologist* 43(5): 408 (2011)
S: !
H: On discoloured (orange brown to blackish) apothecia of *Lecanora chlarotera*.
A collection at E (2015) from East Lothian (The Brunt) and also reported from Moray (near Forres).

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.

Tremella tubulosae Diederich, Coppins, J.C. Zamora, Millanes & Wedin, *Bull. Soc. Nat. luxemb.* 121: 243 (2020)
S: !
H: On thalli of *Hypogymnia tubulosa* inducing gall formation.

Scottish holotype (2008) and two paratype (1999) collections at E, respectively from South Aberdeen (Glen Fenzie), East Sutherland (Loch Fleet) and Moray (Culbin Forest).

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)].

Tricholoma hemisulphureum (Kühner) A. Riva ex Boffelli, in Boffelli, *Riv. Micol.* 59(3): 208 (2016)
Tricholoma sulphureum var. *hemisulphureum* Kühner, in Bon, *Mycol. helv.* 3(3): 325 (1989)
E: ! **W:** !
H: In grassland on calcareous soil, associated with *Helianthemum nummularium*.
Likely to be a common associate of *Helianthemum nummularium*. Raised from being recognised as a variety of *T. sulphureum* based on studies reported in Heilmann-Clausen *et al.* [*Persoonia* 38: 38-57 (2017)].

Tricholoma quercetorum Contu, *Micol. Veg. Medit.* 18(2): 94 (2004) [2003]
E: !
H: English collections on soil near *Quercus*.
Collections (2020) from East Sussex (Fairlight) and Surrey (Richmond Park), the former determined as this (sensu Heilmann-Clausen *et al.*, 2017) based on 100% matching of its ITS sequence (N. Aplin) with that obtained from a collection so named from Portugal. For further details see Overall [FM22(1): 18-21 (2021)].

Tricholoma sulphureum *var.* hemisulphureum Kühner, in Bon, *Bull. trimest. Féd. Mycol. Dauphiné-Savoie* 28(no. 110): 15 (1988)
This is an invalid name which was validated in 1989. This entry should be deleted and replaced by that headed by *T. hemisulphureum* (q.v.).

Tricholomopsis flammula Métrod ex Holec, *J. National Mus. (Prague)*, Nat. Hist. Ser. 178: 8 (2009)
ROI: !
H: On partially buried twigs (?*Picea*) in riverbank woodland.
A collection (2021) in K from Co. Cork (Ballyannan Woods) determined as this based on morphology (L. Kaposvári) and a comparison of its ITS sequence (A.Yu. Biketova, A.M. Ainsworth) with those published in Holec & Kolařík [*Mycological Progress* 10: 93-99 (2011)].

TRUNCOSPORA Pilát, *Sb. Nár. Mus. v Praze*, Rada B, Prír. Vedy 9(2): 108 (1953)
Type: *Truncospora ochroleuca* (Berk.) Pilát

atlantica Spirin & Vlasák, in Spirin, Kout & Vlasák, *Nova Hedwigia* 100(1-2): 166 (2014) [2015]
Mis.: *Perenniporia ochroleuca* sensu auct. Brit.
E: ! **W:** ! **O:** Channel Islands: !
H: On dead attached and fallen wood of a wide range of broadleaved trees and shrubs, quite frequent in Cornwall and the Channel Isles, elsewhere usually found near the coast and perhaps restricted by winter temperatures.
Recorded along the west coast of Britain northwards to Pembrokeshire and along the south coast eastwards to East Sussex. Formerly recorded (since 1987) in Britain and the Ch. Is. as *Perenniporia ochroleuca*, a name now regarded as belonging to one or more non-European species in Spirin *et al.* [*Nova Hedwigia* 100(1-2): 159-175 (2014)]. A specimen in K from West Sussex (Mill Hill) was sequenced and its barcode matched that of the holotype (B. Douglas).

Tubaria vinicolor (Peck) Ammirati, Matheny & Vellinga, in Matheny, Vellinga, Bougher, Ceska, Moreau, Neves & Ammirati, *Mycologia* 99(4): 580 (2007)
Naucoria vinicolor Peck, *Bull. Torrey bot. Club* 36(6): 334 (1909)
E: !
H: On disturbed soil in gardens.
A collection (2001) in K from Surrey (Kew Gardens), originally determined as *Cortinarius anthracinus* which was redetermined based on a comparison of its ITS sequence (K. Liimatainen) with those of this taxon s. Matheny *et al.*, [*Mycologia* 99(4): 569-585 (2007)]. This is a saprotrophic species previously known from Western USA.

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.* [*Mycokeys* 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.*, *Mycokeys* 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 caussei Maire
Name changed to *Paraxerula caussei* (q.v.).

Xerula radicata (Relhan) Dörfelt
Name changed to *Hymenopellis radicata* (q.v.).

Xerula xeruloides (Bon) Dörfelt
Name changed to *Hymenopellis xeruloides* (q.v.).

XYLOBOLUS P. Karst., *Meddn Soc. Fauna Flora fenn.* 6: 11 (1881)
Type: *Xylobolus frustulatus* (Pers.) P. Karst.

subpileatus (Berk. & M.A. Curtis) Boidin, *Revue Mycol.*, Paris 23(3): 341 (1958)
E: !
H: On well-rotted worked wood, probably coniferous, in woodland.
A collection (2021) in K from Hertfordshire (Oaklands) determined as this based on morphological evidence (K. Robinson & A. Henrici) and documented in Robinson [FM23(2): 62 (2022)].

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

asper (Fr.) Hjortstam & Ryvarden, *Syn. Fung.* (Oslo) 26: 34 (2009)
Name changed from *Hyphodontia aspera*. Epithet corrected from *asperus*.

brevisetus (P. Karst.) Hjortstam & Ryvarden, *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 & Ryvarden, *Syn. Fung.* (Oslo) 26: 38 (2009)
Name changed from *Hyphodontia nespori*.

pruni (Lasch) Hjortstam & Ryvarden, *Syn. Fung.* (Oslo) 23: 100 (2007)
Name changed from *Hyphodontia pruni*.

quercinus (Pers.) Gray
Name changed from *Hyphodontia quercina*.

rimosissimus (Peck) Hjortstam & Ryvarden, *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*.

ZYZYGOMYCES Diederich, Millanes & Wedin, in Diederich, Millanes, Flakus, Rodriguez-Flakus, Etayo & Wedin, in Diederich, Millanes, Wedin & Lawrey, *Flora of Lichenicolous Fungi*, Vol. 1 - Basidiomycota (Luxembourg): 86 (2022)

Type: *Zyzygomyces bachmannii* (Diederich & M.S. Christ.) Diederich & Millanes

aipoliae Diederich, Millanes, F. Berger & Ertz, in Diederich, Millanes, Flakus, Rodriguez-Flakus, Etayo & Wedin, in Diederich, Millanes, Wedin & Lawrey, *Flora of Lichenicolous Fungi*, Vol. 1 - Basidiomycota (Luxembourg): 86 (2022)
E: ! **S:** ! **ROI:** !
H: On thalli and apothecia of *Physcia aipolia*.
Described with paratypes from Co. Waterford (Ballymacart Bridge) in Herb. DBN and from Kintyre (Balnabraid Glen), Kirkcudbrightshire (Water of Ken Woods), North Devon (Arlington Court) and Westerness (Dun Bàn) in E.

bachmannii (Diederich & M.S. Christ.) Diederich & Millanes, in Diederich, Millanes, Flakus, Rodriguez-Flakus, Etayo & Wedin, in Diederich, Millanes, Wedin & Lawrey, *Flora of Lichenicolous Fungi*, Vol. 1 - Basidiomycota (Luxembourg): 88 (2022).
Name change for *Syzygospora bachmannii*.

physciacearum (Diederich) Diederich, Millanes & Wedin, in Diederich, Millanes, Flakus, Rodriguez-Flakus, Etayo & Wedin, in Diederich, Millanes, Wedin & Lawrey, *Flora of Lichenicolous Fungi*, Vol. 1 - Basidiomycota (Luxembourg): 93 (2022).
Name change for *Heterocephalacria physciacearum*.

BASIDIOMYCOTA, PUCCINIOMYCOTINA

BOURDOTIGLOEA Aime, in Aime, Urbina, Liber, Bonito & Oono, *Mycologia* 110(1): 144 (2018)

Type: *Bourdotigloea vestita* (Bourdot & Galzin) Aime

concisa Spirin & G. Trichies, in Spirin, Malysheva, Trichies, Savchenko, Põldmaa, Nordén, Miettinen & Larsson, *Fungal Systematics and Evolution* 2: 322 (2018)
E: !
H: English collection on fallen wood of *Fagus sylvatica*.
Described with an English paratype collected in 1923 by Pearson from East Sussex (Buckhurst Park) and formerly determined by Bourdot as *Platygloea vestita*.

vestita (Bourdot & Galzin) Aime, in Aime, Urbina, Liber, Bonito & Oono, *Mycologia* 110(1): 144 (2018)
Name changed from *Helicogloea vestita*. Molecular studies reported in Aime *et al*. [*Mycologia* 110(1): 136-146 (2018)] have shown that this species is not congeneric with the type of *Helicogloea*.

CHIONOSPHAERA D.E. Cox

The included lichenicolous species *C. coppinsii* and *C. lichenicola* have been shown not to be closely related to the generic type and both are now accommodated in the new genus *Crittendenia* (q.v.).

CRITTENDENIA Diederich, Millanes, M. Westb., Etayo, J.C. Zamora & Wedin, in Millanes, Diederich, Westberg & Wedin, *Lichenologist* 53: 111 (2021)

Type: *Crittendenia coppinsii* (P. Roberts) Diederich, M. Westb., Millanes & Wedin

absistentis Diederich, Coppins & Millanes, in Diederich, Millanes, Etayo, van den Boom & Wedin, *Bryologist* 125(2): 263 (2022)
S: !
H: Dispersed over the thallus of *Bacidia absistens*.
Sequenced holotype collection in E (2017) from Mid Ebudes (Ulva) and paratypes in E (2001) from West Ross (Beinn Eighe) and in PRA (2018) from Argyllshire (Glen Creran).

coppinsii (P. Roberts) Diederich, M. Westb., Millanes & Wedin in Millanes, Diederich, Westberg & Wedin, *Lichenologist* 53: 113 (2021)
Name changed from *Chionosphaera coppinsii*.

lecidellae Diederich, Etayo & Millanes, in Diederich, Millanes, Etayo, van den Boom & Wedin, *Bryologist* 125(2): 277 (2022)
S: !
H: Dispersed over the thallus of *Lecidella elaeochroma*.
Paratype collections in E (1983-2007) from Kintyre (Taynish), Sutherland (Bettyhill) and West Ross (Dundonnell).

lichenicola (Alstrup, B. Sutton & Tønsberg) Diederich, Millanes & Wedin in Millanes, Diederich, Westberg & Wedin, *Lichenologist* 53: 113 (2021)
Name changed from *Chionosphaera lichenicola*.

CYPHOBASIDIUM Millanes, Diederich & Wedin, *Fungal Biology* 120(11): 1473 (2015) [2016]

Type: *Cyphobasidium hypogymniicola* (Diederich & Ahti) Millanes, Diederich & Wedin

usneicola (Diederich & Alstrup) Millanes, Diederich & Wedin, *Fungal Biology* 120(11): 1474 (2015) [2016]
S: !
H: On thalli of *Usnea*.
Reported in Diederich *et al*. 2022 [Flora of lichenicolous fungi vol. 1, *Basidiomycota*] from North Ebudes (Skye).

Helicogloea angustispora L.S. Olive
Note the change of epithet spelling from that of the protologue (*augustispora*). It is clear from the protologue that the distinguishing character of this species is the narrow basidiospores and hence *angusti-* was intended. This qualifies as an orthographic/typographic error to be corrected [ICN Shenzhen Code Art. 60.1].

Helicogloea farinacea (Höhn.) D.P. Rogers
Name changed to *Saccosoma farinaceum* (q.v.).

Helicogloea graminicola (Bres.) G.E. Baker
Move to 'excluded' list. Following the description of *H. jozefii* (q.v.), all collections in K filed as *H. graminicola*, mostly from Kew Gardens, are now redetermined as that species.

Helicogloea jozefii Schoutteten & Verbeken, in Schoutteten, Roberts, Van de Put & Verbeken, *Cryptog. Mycol.* 39(3): 312 (2018)
Mis.: *Helicogloea graminicola* sensu auct. Brit.
To head the entry formerly headed by *H. graminicola* (q.v.) which is now regarded as a name which has been historically misapplied within the CBIB area.

Helicogloea pellucida Spirin & V. Malysheva, in Spirin, Malysheva, Trichies, Savchenko, Põldmaa, Nordén, Miettinen & Larsson, *Fungal Systematics and Evolution* 2: 334 (2018)

E: !
H: English collection on decorticated *Salix* log.
An English collection at K (2019) from Mid-west Yorkshire (Otley).

Helicogloea vestita (Bourdot & Galzin) P. Roberts
Name changed to *Bourdotigloea vestita* (q.v.).

HETEROGASTRIDIUM Oberw. & R. Bauer

Move from Subphylum Agaricomycotina.

Microbotryum majus (J. Schröt.) G. Deml & Oberw.
This name was corrected from *M. major* in FM22(4): 137 (2021) following Vanky, as a correctable orthographic error under the Code, to agree with the gender of the generic name.

Microbotryum pinguiculae (Rostr.) Vánky, *Mycotaxon* 67: 48 (1998)
Ustilago pinguiculae Rostr., *Bot. Foren. Festskr. 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).

Puccinia absinthii DC.
E: ! **W:** !
H: II & III on living leaves of *Artemisia absinthium* and probably also on *A. arborescens* in Wales.
Remove this (and its homotypic synonym) from synonymy of *P. tanaceti* which, sensu stricto, does not occur on *Artemisia*. Taxonomy now follows Klenke & Scholler (2015) and the treatment in Preston *et al*. [FM24(4): 128-136 (2023)].

Puccinia artemisiae-maritimae Fahrend., *Annls mycol.* 39(2/3): 182 (1941)
E: ! W: !
H: II & III on living leaves of *Artemisia* (*Seriphidium*) *maritima*.
Formerly included in a wide interpretation of *P. tanaceti* which, sensu stricto, does not occur on *Artemisia*. Taxonomy now follows Klenke & Scholler (2015) and the treatment in Preston *et al*. [FM24(4): 128-136 (2023)].

Puccinia artemisiella P. Syd. & Syd.
E: ! **W:** ! **O:** Channel Islands !
H: II & III on living leaves of *Artemisia vulgaris*.
Remove from synonymy of *P. tanaceti* (along with its synonym *Uredo artemisiae*) which, sensu stricto, does not occur on *Artemisia*. Note that most of the historical British records of *P. tanaceti* (sensu lato) are associated with *A. vulgaris* and will therefore refer to this species. Taxonomy now follows Klenke & Scholler (2015) and the treatment in Preston *et al*. [FM24(4): 128-136 (2023)].

Puccinia chrysanthemi Roze, *Bull. Soc. mycol. Fr.* 16: 92 (1900)
Uredo chrysanthemi Roze, *Bull. Soc. mycol. Fr.* 16: 78 (1900)
E: !
H: II & III on living leaves of cultivated chrysanthemums (*Dendranthema*).
Remove this from synonymy of *P. tanaceti* which, sensu stricto, only occurs on *Tanacetum*. Recognition of this species thereby reinstates the taxonomic view of Grove (1913) and **W&H**.

Puccinia ferruginosa P. Syd. & Syd., *Monogr. Uredin.* (Lipsiae) 1(1): 13 (1902) [1904]

E: !
H: III on living leaves of *Artemisia vulgaris*.
Three collections (2022) from Cambridgeshire (Soham) determined as this based on morphology and a comparison of a derived ITS sequence with those generated from two German collections on the same host plant species which were used as reference material. Further details in Preston *et al*. [FM24(4): 128-136 (2023)].

Puccinia polygoni-vivipari P. Karst., *Enum. Fungorum et Myxomycetum in Lappio orientali*: 221 (1882)

S: !
H: II & III on living leaves of *Bistorta (Persicaria, Polygonum) vivipara*.
Remove from synonymy of *P. bistortae* and delete *Polygonum viviparum* from host list for that species. There are historical records of *P. polygoni-vivipari* from (1938) Moray (Carrbridge) and (1968) East Perthshire (Kindrogan area) and collections in E (2007, 2008) from Mid Perthshire (Tulach Hill, Maud Loch) and (2009) East Perthshire (Loch Moraig) and collections in K (2023) from Moray (Sluggan Bridge) and Easterness (Tomnagowhan). Documented in https://fungi.myspecies.info/all-fungi/puccinia-polygoni-vivipari

Puccinia tanaceti DC.
E: ! **S:** !
H: II & III on living leaves of *Tanacetum*.
Delete synonyms. Formerly more widely interpreted (following **W&H** in 1966), but now the synonyms described on *Artemisia* and cultivated chrysanthemums are recognised as several distinct species following Klenke & Scholler (2015) and the treatment in Preston *et al*. [FM24(4): 128-136 (2023)].

Pucciniastrum minimum (Schwein.) Arthur, *Résult. Sci. Congr. Bot. Wien 1905*: 337 (1906)
Thekopsora minima (Schwein.) P. Syd. & Syd., *Monogr. Uredin. (Lipsiae)* 3(3): 465 (1915)
S: !
H: On living leaves of *Vaccinium corymbosum* cv. 'Liberty' in a nursery and experimentally inoculated on detached leaves of wild *V. myrtillus* under laboratory conditions.
Recorded on two nursery plants in Perthshire in 2021 and determined on morphological and molecular evidence (matching of uredospore-derived ITS barcode with similarly labelled sequences in GenBank). Documented in Latham *et al*. [*New Disease Reports* 45: e12057 (2022)].

SACCOSOMA Spirin, in Spirin, Malysheva, Trichies, Savchenko, Põldmaa, Nordén, Miettinen, Larsson, *Fungal Systematics and Evolution* 2: 336 (2018)

Type: *Saccosoma farinaceum* (Höhn.) Spirin & K. Põldmaa

farinaceum (Höhn.) Spirin & K. Põldmaa, in, Malysheva, Trichies, Savchenko, Põldmaa, Nordén, Miettinen, Larsson, *Fungal Systematics and Evolution* 2: 337 (2018)
Name changed from *Helicogloea farinacea* which becomes a synonym. Molecular studies reported in Spirin *et al*. [*Fungal Systematics and Evolution* 2: 311-340 (2018)] have shown that this species is not closely related to the types of either *Helicogloea* or S*accoblastia* (which was shown to be a synonym of *Helicogloea*) and therefore a new genus was required to accommodate it. Spirin *et al*. (2018) published a barcode sequence derived from a specimen in K from Surrey (Witley Common) which matched that of their designated neotype.

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 Easterness, (Beauly) 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. Seur. van. kasvit. Julk.* 34(3): 24 (1963)
S: !
H: In the ovaries of *Carex dioica*.
Collections at E from South Aberdeenshire (Morrone) *fide* 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) *fide* Taylor & Smith [FM18(1): 10 (2017)].

Entyloma cosmi Vánky, Horita & Jage, *Mycoscience* 46(6): 365 (2005)
E: ! **W:** !
H: On leaves of cultivated *Cosmos bipinnatus*.
Records (2008-2021) of this invasive species found in Buckinghamshire (collection in K and originally determined as *E. calendulae*), Carmarthenshire, Derbyshire, Dorset, East Kent, North Devon, South-west Yorkshire and Surrey are documented in Preston & Newbery [FM22(4): 95-97 (2021)].

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.

Thecaphora melandrii (Syd.) Vánky & M. Lutz, *Mycol. Res.* 111(10): 1215 (2007)
E: !
H: Deforming and partially replacing the inner parts of unopened flower buds of *Silene uniflora*.
Collections (2019 & 2020) in K and KRAM from South Hampshire (Gilkicker Point, Hook Park & Stokes Bay), of which those from 2019 were sequenced, phylogenetically analysed and determined in Smith *et al.* [*Kew Bulletin* 75: 39 (2020)].

Tracya lemnae (Setch.) Syd. & P. Syd., *Hedwigia* 40(Beibl. 1): 3 (1901)
E: !
H: On living frond of *Spirodela polyriza* in ditch.
A collection (2018) in K from West Sussex (Amberley) determined on morphological characters (A.M. Ainsworth) as documented in Ainsworth [FM24(4): 116-120 (2023)].

Urocystis aquilegiae (Cif.) Schwarzman, *Flora Sporovykh Rasteniĭ Kazakhstana [Cryptogamic Flora of Kazakhstan]* (Alma-Ata) 2: 331 (1960)
E: !
H: On leaves of *Aquilegia*.
Previously documented in CBIB (2005) as *U. sorosporioides* occurring on *Aquilegia* spp., but that species is now known to be restricted to *Thalictrum*. Recorded in London and documented in Ing [FM23(2): 69-70 (2022)].

Urocystis bolboschoeni Denchev, T. Denchev, Spooner & Legon
Move to synonymy of *U. fischeri* (q.v.).

Urocystis fischeri G. Winter
Move *U. bolboschoeni* to synonymy and add *Bolboschoenus maritimus* [Ainsworth & Liimatainen, FM 21(2): 71–73 (2020)] and *Carex demissa* [Smith & Lutz, *The Glasgow Naturalist* 26(1): 112–114. (2014)] to the list of host plants.

Urocystis irregularis (G. Winter) Săvul., *Bulletin Sti. Sect. Sti. biol.* 3: 220 (1951)
S: !
H: On leaves of cultivated *Aconitum napellus*.
Documented from two gardens in Wester Ross in Ing [FM23(2): 69-70 (2022)].

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

Coniophora arachnoidea Pat., *Bull. Soc. mycol. Fr.* 28(1): 31 (1912)
Original description based on material on fallen banana leaves in Guinée Française (Guinea-Conakry). A single (2020) English collection in K from a tropical glasshouse (Surrey, Kew Gardens, Princess of Wales Conservatory) on soil near a pond.

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).

Psathyrella kellermanii (Peck) Singer, *Mycologia* 51(3): 392 (1959)
A collection (2023) from plant pot soil in a glasshouse in Berkshire (Aldermaston) determined as this sensu Örstadius *et al.* (2015) by comparing its ITS sequence (E. Janke, Aberystwyth University IBERS) with that of the single sequence (99.4% similarity) published in Örstadius *et al.* [*Mycol. Progress* 14: 25 (2015)].

Rhodofomes roseus (Alb. & Schwein.) Vlasák, *Česká Mykol.* 44(4): 235 (1990)
Name changed from *Fomitopsis rosea*.

Serpula pulverulenta (Sowerby) Bondartsev
Move to 'included' list.

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. Sensu Ing's (1992) Provisional Red Data List is possibly misdet. *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*."

amblyospora Kühner, Inocybe
Move to 'included' list.

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.

antillarum (Fr.) Dennis, Panaeolus
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.

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

armeniacus (Schaeff.) Fr., Cortinarius
Move to 'included' list.

baculifera (Bourdot & Galzin) Jülich, Athelopsis
Move from 'included' list. The British collection has now been redetermined as *Athelopsis fusoidea*.

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

botryoides (Schwein.) Bourdot & Galzin, Tomentella
Move to 'included' list.

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)].

caligatus Malençon, Cortinarius
Move from 'included' list following redetermination, as *C. squameoradicans*, of the voucher collections in K (from East Kent, Badgin Wood), which were supporting its CBIB inclusion (M. Tortelli).

calocera R. Heim, Favolaschia
Move from 'included' list. Sequenced British material is of *F. claudopus* (q.v.).

calolepis (Fr.) P. Karst., Crepidotus
Move to 'included' list.

calyptrosporum Bruchet, Hebeloma
Move to 'included' list as a synonym of *H. birrus* (q.v.).

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.).

castaneus (Bull.) Fr., Cortinarius
Move to 'included' list.

cavipes Huijsman, Hebeloma
Remove *H. lutense* from synonymy and move both to 'included' list as separate species.

chrysomallus Lamoure, Cortinarius
Move from 'included' list following sequencing and redetermination, as the holotype of the new species *C. subsaniosus* (q.v.), of the single voucher collection in K (from Westmorland, Sandscale Haws) which was supporting its CBIB inclusion. Further details in Hyde *et al.* [*Fungal Diversity*: 10.1007/s13225-020-00439-5 (2020)].

circinans (Quél.) 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.) Quél., 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.).

comptulus M.M. Moser, Cortinarius
Move to 'included' list.

concolor (J.E. Lange) Kühner, Mycena
Move to 'included' list.

contortipes (A.H. Sm. & D.E. Stuntz) I. Saar & Thorn, in Saar, Thorn, Nagasawa, Henkel & Cooper, *Mycologia*: 10.1080/00275514.2022.2059639, 21 (2022), Dissoderma
Move from 'included' list (as *Squamanita contortipes*) as the British species is now regarded as *Dissoderma galerinicola* (q.v.).

cornea (Bourdot & Galzin) Parmasto, Phlebia
Name changed to *Crustoderma corneum* (Bourdot & 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.).

deliquescens (Bull.) Fr., Coprinus
Move to 'included' list as *Coprinellus deliquescens*.

diabolicus (Fr.) Fr., Cortinarius
Move to 'included' list and delete existing **Notes**.

disciformis (DC.) Pat., Aleurodiscus
Thelephora disciformis DC., in de Candolle & Lamarck, *Fl. franç.*, Edn 3 (Paris) 5/6: 31 (1815)
Stereum disciforme (DC.) Fr., *Epicr. 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.*
Name changed to *Sagaranella erosa* (Fr.) V. Hofst., Clémençon, Moncalvo & Redhead, in Hofstetter, Redhead, Kauff, Moncalvo, Matheny & Vilgalys, *Cryptog. Mycol.* 35(4): 419 (2015) [2014].

erubescens M.M. Moser, Cortinarius
Move from 'included' list following sequencing and redetermination, as *C. jacobi-langei* (q.v.), of the single voucher collection in K (from Merionethshire, Coed Llyn Mair) which was supporting its CBIB inclusion (K. Liimatainen).

fagetorum M.M. Moser, Cortinarius
Move from 'included' list following sequencing and redetermination, as a paratype of the new species *C. aurae* (q.v.), of the single voucher collection in K (from West Kent, Mereworth Woods) which was supporting its CBIB inclusion. Further details in Hyde *et al.* [*Fungal Diversity*: 10.1007/s13225-020-00439-5 (2020)].

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.*, FungEur14: 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.*, FungEur14: 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.*, FungEur14: 326 (2016)], but currently none of *H. fragilipes*, hence its exclusion.

frondosa (Fr.), Tremella
Move to 'included' list as *Phaeotremella frondosa* and delete existing **Notes**.

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

fuliginosa (Pers.) Lév., Hymenochaete
Remove *H. subfuliginosa* from synonymy and move both to 'included' list.

fuliginosa Sarnari**,** Russula
Move from 'excluded' list to the synonymy of *R. anthracina* following De Lange *et al.* [*Persoonia* 51: 152-193 (2023)].

fusisporus Kühner, Cortinarius
Move from 'included' list. Sequenced British material is of *C. desertorum* (q.v.).

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. scabrosum* (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 (Hethersett). However the derived barcode seq matched those of *I. cibarium* and so the collection was redetermined as this (K. Liimatainen unpubl.).

graminicola (Bres.) G.E. Baker, Helicogloea
Move from 'included' list. Following the description of *H. jozefii* (q.v.), collections in K filed as *H. graminicola*, mostly from Kew Gardens, are now redetermined as the former species.

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**.

hymenocephalus (A.H. Sm. & Hesler) Birkebak & Adamčík, Hodophilus
Move from 'included' list. Now regarded as a North American, but not a European, species following Adamčík *et al.* [*Mycological Progress* 19(2): 111-125 (2020)] who provide a key to the European taxa.

illibatus Fr., Cortinarius
Move from 'included' list as currently lacking molecular evidence for inclusion. Move *C. subdelibutus* (an illegitimate name) from the synonymy of this to the synonymy of *C. myxo-anomalus* based on a comparison of ITS barcode sequences from *C. subdelibutus* holotype and *C. myxo-anomalus* syntype.

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.).

impolitus Kauffman, Cortinarius
Move from 'included' list. Sequenced British material is of *C. desertorum* (q.v.).

incarnatulum A.H. Sm., Hebeloma
Move from 'included' list following redetermination of two collections from Easterness (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. incarnatulum* 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.

kmetii (Bres.) Spirin & Malysheva, in Malysheva & Spirin, *Fungal Biology* 121(8): 711 (2017), Heteroradulum
Move this (as *Eichleriella kmetii*) and its two homotypic synonyms from 'included' list (was listed in the synonymy of *E. deglubens*). Lectotypified, sequenced and shown to be a distinct species in Malysheva & Spirin [*Fungal Biology* 121(8): 689-715 (2017)].

kuehneri Bruchet, Hebeloma
Move to 'included' list as a synonym of *H. nigellum* (q.v.).

lacteus Quél., 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.

lasiosperma Bres., Mycena
Retain in 'excluded' list but as a synonym of *Mycenella lasiosperma* (Bres.) Locq., *Revue Mycol.*, Paris 8: 3 (1943). Delete third sentence of **Notes**.
lasiosperma (Bres.) Locq., Mycenella
Mycena lasiosperma Bres.
Delete **Notes** and move to 'included' list. Add to the synonymy of *Mycenella margaritispora* (q.v.).

latitabundus Britzelm., Hygrophorus
Move to 'included' list.

leiocastaneus Niskanen, Liimat. & Soop, Cortinarius
Move from 'included' list following sequencing and redetermination, as *C. furfuraceus*, of the single voucher collection in K (from North Somerset, Stockhill Plantation), which was supporting its CBIB inclusion (K. Liimatainen).
leiocastaneus Niskanen, Liimat. & Soop, Cortinarius
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**.

lignyotus Fr., Lactarius
Move to 'included' list.

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.).

macra (Sommerf.) Niemelä, Antrodia
Move to 'included' list.

madidum Gillet, Entoloma
Move to 'included' list.

marginatulum (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. marginatulum* 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.).

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

mustelina Fr., Russula
Move from 'included' list (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.

neerlandicus (Huijsman) Contu, Gymnopilus
Hebelomina neerlandica Huijsman
Move from 'included' list. Of the five specimens in K collected from Surrey (Esher/Oxshott) and originally named as *Hebelomina neerlandica*, two have now been sequenced and redetermined as white/pale forms of *G.* cf. *penetrans*. Hence the remaining three have been similarly redetermined. Further details in Eberhardt *et al.* [*Plant Ecology & Evolution* 151(1): 96-109 (2018)].

nigrellus (Pers.) P.D. Orton, Claudopus
Note that the synonym *Entoloma nigrellum* (Pers.) Noordel., listed in the CBIB book (p. 401), refers to the combination published as *E. nigrellum* (Quél.) Noordel. in Noordeloos [*Persoonia* 11(2): 150 (1981)], which is likely to have been made in error. This combination cannot have the basionym *Rhodophyllus nigrellus* Quél., as cited in Noordeloos (1981), because that name is itself a combination and has the basionym *Agaricus nigrellus* Pers. Furthermore, there is no mention of this "basionym" on the cited page of Quélet's publication; instead that page includes a confusingly similar name, *Eccilia nigella* Quél., which belongs to a different species. The combination *Entoloma nigellum* was subsequently published by Noordeloos in FungEur5 in 1992. Index Fungorum has now treated the above 1981 combination made by Noordeloos as an orthographic error correctable to *Entoloma nigellum* (Quél.) Noordel. and cites this as the currently validly published and accepted name (based on the above evidence supplied by D. Mitchel). Thus, when the same combination was made in 1992 it produced an isonym which should therefore be disregarded.

obsoleta (Batsch) Quél., Clitocybe
Move to 'included' list.

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.

permixta (Barla) Pacioni, Macrolepiota
This taxon was epitypified in Vizzini *et al.* [*Mycotaxon* 117: 149-164 (2011)] where it was also reduced in rank and recognised as *M. procera* forma *permixta*. Extend the final sentence of **Notes** with the following: "sensu Vellinga FAN5 which, following Vizzini *et al.* (2011), should now be recognised as *M. rhodosperma*".

phaeophyllus P. Karst., Cortinarius
Move from 'included' list following sequencing and redetermination, as *C. uraceonemoralis* (q.v.), of the single voucher collection in K (from South Devon, Stover Park), which was supporting its CBIB inclusion (K. Liimatainen).

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.).
phaeosmus Rob. Henry, Cortinarius
Move to 'included' list.

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*.

polyrhizum (J.F. Gmel.) Pers., Scleroderma
Delete *S. geaster* from synonymy. Both species are epitypified with sequenced collections in Ortiz-Rivero *et al.* [*Phytotaxa* 510(1): 1-17 (2021)]. They are clearly distinct, but neither is authentically British.

poppyzon Melot, Cortinarius
Move from 'included' list following sequencing, matching with the sequence from a holotype and redetermination, as *C. quarciticus*, of the single voucher collection in K (from South Aberdeenshire, Inverey), which was supporting its CBIB inclusion (K. Liimatainen). This collection was documented (as *C. poppyzon*) in Kibby & Burnham [FM10(1): 19-23 (2009)]. Although the name *C. poppyzon* Melot predates *C. quarciticus* H. Lindstr., Melot's type specimens have not been made available for DNA sequencing.

populinum Romagn., Hebeloma
Move to 'included' list.

praestigiosus (Fr.) M.M. Moser, Cortinarius
Move to 'included' list.

psammocephalus (Bull.) Fr., Cortinarius
Move from 'included' list. The taxon formerly in the 'included' list was *C. psammocephalus* sensu CFP 4: 18 (1998), a species associated with deciduous trees. However, Liimatainen [*Index Fungorum* No. 344 (2017)] concluded that this was not *C. psammocephalus* in the original sense and hence it is now excluded. *Cortinarius psammocephalus* sensu CFP 4 is now recognised as *C. quercoconicus* (q.v.).

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.

psammophilum Bon, Hebeloma
Move to 'included' list.

pseudolimbatum Hollós, Geastrum
Move from 'included' list. British material from Surrey (Shalford) now redetermined based on ITS sequence analysis as *G. coronatum*.

pseudoprivignus Rob. Henry, Cortinarius
Delete **Notes** and move to synonymy of *C. hydrotelamonioides* in the 'included' list following Liimatainen *et al.* [*Fungal Diversity* 104: 291-331 (2020)].

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.).

regius (Krombh.) D. Arora & J.L. Frank, *Mycologia* 106(3): 466 (2014), Butyriboletus
Move from 'included' list (where it was formerly included as *Boletus regius* q.v.). There is currently no known DNA evidence that this legally protected species is, or ever was, British.

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 [FM19(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.

saccharinus Romagn., Coprinus
Move to 'included' list as *Coprinellus saccharinus*.

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.).

septentrionalis Bendiksen, K. Bendiksen & Brandrud, Cortinarius
Move from 'included' list following sequencing and redetermination, as *C. fennoscandicus* (q.v.), of the single voucher collection in K (from South Aberdeen, Inverey Flats), which was supporting its CBIB inclusion (K. Liimatainen).

septentrionalis Bendiksen, K. Bendiksen & Brandrud, Cortinarius
Move to 'included' list.

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

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)].

splendificus Chevassut & Rob. Henry, Cortinarius
Move from 'included' list following sequencing, matching with a reference sequence and redetermination, as *C. xanthophyllus* (a nom. inval. fide Index Fungorum) sensu Garnica, Frøslev & Moënne-Loccoz, of the single voucher collection in K (from Northamptonshire, Easton Hornstocks), which was supporting its CBIB inclusion (K. Liimatainen).

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*.

striaepilus J. Favre, Cortinarius
Delete **Notes** and move to synonymy of *C. nigrocuspidatus* in the 'included' list following Liimatainen *et al.* [*Fungal Diversity* 104: 291-331 (2020)].

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).

suavissimus (Fr.) Singer, Panus
Move to 'included' list (as *Neofavolus suavissimus*) and delete existing **Notes**.

subcollariatum (Berk. & Broome) Sacc., Hebeloma
Move to 'included' list as a synonym of *H. mesophaeum* based on holotype studies [Beker *et al.*, FungEur14: 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.).

subpulverulenta (Pers.) Singer, Melanoleuca
Move to 'included' list and add to synonymy of *M. phaeopodia* (q.v.).

subpurpurascens (Batsch) J. Kickx f., Cortinarius
Move to 'included' list (as *Thaxterogaster subpurpurascens*) and delete existing **Notes**.

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*.

tenuicula (P. Karst.) Örstadius & Hühtinen, Psathyrella
Psathyra tenuicula P. Karst.
Move to 'included' list.

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

tigrina R. Heim, Inocybe
Move to 'included' list.

trogii (Berk.) Domański, Coriolopsis
Name changed to *Trametes trogii* Berk. Move to 'included' list.

variiformis Malençon, Cortinarius
Move from 'included' list. Replace **Notes** with: "*C. variiformis* sensu auct. Brit. is more likely to refer to *C. luteocingulatus* based on morphological and ecological evidence".

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*).

vespertinus Fr., Cortinarius
Move to 'included' list (as *Thaxterogaster vespertinus*) and delete existing **Notes**.

BASIDIOMYCOTA, USTILAGINOMYCOTINA

heterospora (B. Lindeb.) Kukkonen, Anthracoidea
Move to 'included' list.