

# CBIB COMPENDIUM OF UPDATES UD7–11 (Ainsworth, A.M. & Henrici, A. 2016–22) Compiled by AMA 21Jan2023

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 7–11) 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 UD7–11. Alternatively, one can consult the printed book published in 2005 followed by the two compendia UD1–6 and UD7–11.

**2022 was a record-breaking year for increasing our knowledge of *Basidiomycota* within the CBIB area: 91 species (net) were added to the British & Irish list this year, 78 of which were supported by DNA sequence analysis.**

## 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.  
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 & Hugueneu, in Boidin, Lanquetin, Gilles, Candoussau & Hugueneu, *Bull. trimest. Soc. mycol. Fr.* 101(4): 345 (1986) [1985]

*Aleurodiscus phragmitis* (Boidin, Lanq., Cand., Gilles & Hugueneu) 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 & Hugueneu, in Boidin, Lanquetin, Gilles, Candoussau & Hugueneu, *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 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)].

**Agrocybe elatella** (P. Karst.) Vesterh., *Nordic JI 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 & Hugueneu, *Bull. trimest. Soc. mycol. Fr.* 101(4): 340 (1986) [1985]

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

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

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

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

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

**Aleurodiscus apricans** Bourdot

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

**Aleurodiscus botryosus** Burt

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

**Aleurodiscus delicatus** Wakef.

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

**Aleurodiscus norvegicus** J. Erikss. & Ryvarden

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

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

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

**Amanita elseides** 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., *Episc. syst. mycol.*: 12 (1838)

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

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

**Amanita 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** (Bourdote & 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, *Bibliotheca Mycol.* 85: 395 (1982) [1981]

Type: *Artomyces pyxidatus* (Pers.) Jülich

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

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

**D+I:** FM 14(1): 31–32 (2013)

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

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

**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** (Bourdote & Galzin) Jülich

Move to 'excluded' list.

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

Name changed from *Leptosporomyces fusioideus*.

**TRACTOSPOROCYBE** 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** (Bourdote & 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 fragilesens* 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, *Tarrelas* 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).

**CAMAROPHYLLOPSIS** Herink

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

**atropuncta** (Pers.) Arnolds

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

**foetens** (W. Phillips) Arnolds

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

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

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

**micacea** (Berk. & Broome) Arnolds

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

**Cantharellus aurora** (Batsch) Kuyper

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

**Cantharellus cibarius**

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

**Cantharellus cinereus** (Pers.) Fr.

Name changed to *Craterellus cinereus* (q.v.) following the taxonomic treatment in Olariaga [*The order Cantharellales in the Iberian Peninsula and the Balearic Islands* PhD Thesis (2009)] and Kibby [*Mushrooms and toadstools of Britain & Europe 1* (2017)]. Move *Craterellus cinereus* (Pers.) Pers. from synonymy (with corrected recombining author's name) to head this entry.

**Cantharellus melanoxeros** Desm.

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

**Cantharellus pallens** Pilát

**E:** !

**H:** Occurs with broadleaved trees.

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

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

**E:** !

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

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

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

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

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

**H:** On dead wood of coniferous and broadleaved trees.

**D+I:** FungEur12: 200

Collections on *Pinus* and *Quercus* (2012 onwards) at K from Montgomeryshire (Gregynog), Morayshire (Beachen Wood)

and South Aberdeen (Lui Bridge). Collections filed as *C. sublaevis* (q.v.) at K require re-examination and redispotion as *C. eludens* (cystidiata, sometimes sparsely so) or *C. microsporus* (acystidiata).

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

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

**S:** !

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

**D:** FungEur12: 201

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

**Ceraceomyces sublaevis** (Bres.) Jülich

Move to 'excluded' list.

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

**E:** !

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

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

**Ceriporia aurantiocarnescens** (Henn.) M. Pieri & B. Rivoire, *Bull. trimest. Soc. mycol. Fr.* 113(3): 206 (1997)  
*Poria aurantiocarnescens* Henn., *Verh. bot. Ver. Prov. Brandenb.* 40: 125 (1898) [1899]

**E:** !

**H:** On fallen trunk of *Fagus sylvatica*.

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

**Ceriporiopsis herbicola** Fortey & Ryvarden

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

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

Type: *Chamonixia caespitosa* Rolland

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

**W:** !

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

**D+I:** FM 17(2): 60–62 (2016)

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

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

**S:** !

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

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

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

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

The following name changes from *Hygrocybe* are required:

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

Name changed from *Hygrocybe citrinopallida*.

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

Name changed from *Hygrocybe lilacina*.

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

Name changed from *Hygrocybe viola*.

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

Name changed from *Hygrocybe xanthochroa*.

**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.

**Clavicornona 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 etrusciae** 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 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 aphylophoroid 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 albocrema* (Höhn. & Litsch.)

Jülich

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

Name changed from *Hyphoderma albocrema*.

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

Name changed from *Coprinus cinnamomeotinctus*.

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

Name changed from *Coprinus poliommallus*.

**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 poliommallus** Romagn.

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

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

**E:** !

**H:** English collection in loose sand by rabbit burrow.

New record. A collection in K (2015) from West Cornwall (Penhale Army Camp).

**Coriopsis gallica** (Fr.) Ryvarden

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

**Corticium quercicola** Jülich

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

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

**E:** !

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

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

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

**E:** !

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

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

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

**E:** !

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

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

**Cortinarius albolens** Bidaud, Carteret & Reumaux, in Bidaud, Carteret, Reumaux & Moëgne-Loccoz, *Atlas des Cortinaires* (Meyzieu) 20: 1573 (2012)

**S:** !

**H:** Scottish collection in woodland soil under *Quercus*.

A collection (1982) in K from Westernness (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. epsomensis* (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 aptecoherens** 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 Européennes 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 Easternness (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, Moëgne-Locc. & Reumaux, in Bidaud, Moëgne-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 carviolaceus** P.D. Orton

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

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

**S:** !

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

A collection (2005) at K from Easternness (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, Moëgne-Locc. & Reumaux, in Bidaud, Moëgne-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, Moëgne-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, Moëgne-Loccoz & Reumaux, *Atlas de Cortinaires* 3 (Annecy): 70 (1991)

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

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

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

**Cortinarius 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 & Moëgne-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 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, Moëgne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires* (Meyzieu) 8: 293 (1996)

*Cortinarius chromatophilus* 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. chromatophilus*. 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. chromatophilus* and *C. herculeolens* and the epitype of *C. daulnoyae* (K. Liimatainen unpubl.).

**Cortinarius decipientoides** Moëgne-Locc. & Reumaux, in Reumaux & Moëgne-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, *Annl. 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 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 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, Moëgne-Locc. & Reumaux, in Bidaud, Moëgne-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 epipurrrus** Chevassut & Rob. Henry, *Docums Mycol.* 8(no. 32): 72 (1978)

**E: !**

**H:** On soil 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** Moëgne-Lococ, Reumaux, in Bidaud, Moëgne-Lococ, Reumaux, Carteret & Eyssartier, *Atlas des Cortinaires* (Mezieu) 11: 572 (2001)

**E:** !

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

**Cortinarius famatus** Moëgne-Lococ, Reumaux, in Bidaud, Moëgne-Lococ, Reumaux, Carteret & Eyssartier, *Atlas des Cortinaires* (Mezieu) 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, Moëgne-Lococ & Reumaux, *Atlas des Cortinaires* (Mezieu) 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 furfuraceus** Rob. Henry ex Bidaud, in Bidaud, Moëgne-Lococ, 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 Européennes 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. leucoleolus* (q.v.).

**Cortinarius geraniolens** Bidaud, in Bidaud, Moëgne-Lococ, Reumaux & Carteret, *Atlas des Cortinaires* (Mezieu) 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 & Moëgne-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, Moëgne-Locc. & Reumaux, in Bidaud, Moëgne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires*, Hors-Serie 1: 148 (1997)

**E:** !

**H:** On soil near *Alnus glutinosa*.

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

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

**E:** !

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

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

**Cortinarius largus** Fr.

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

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

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

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

Add the above synonymy and misdeterminations which, for *C. emollitoides* and *C. 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, Moëgne-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 lilacinelatus** Reumaux & Ramm, in Bidaud, Moëgne-Loccoz, Reumaux, Carteret & Eyssartier, *Atlas des Cortinaires* (Meyzieu) 11: 613 (2001)

**E:** !

**H:** On chalky soil.

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

**Cortinarius 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 Européennes du Cortinaire* 7(no. 6): 31 (2004)

**E:** !

**H:** English collection on woodland soil near *Fagus sylvatica*.

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

**Cortinarius luridus** Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 84(3): 406 (1969) [1968]

**E:** !

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

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

**Cortinarius 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. hydrotelamonoides* (q.v.).

**Cortinarius maculatocaesпитosus** Bidaud, in Bidaud, Moëgne-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 Easternness (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 & Moëgne-Loccoz, *Atlas des Cortinaires* (Meyzieu) 20: 1574 (2012)

**E:** !

**H:** English collection on soil near *Fagus sylvatica*.

A collection (2018) at K from West Kent (High Elms) confirmed as this by matching its barcode sequence with that of the holotype (K. Liimatainen unpubl.).

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

**E:** !

**H:** On sandy soil near *Pinus nigra*.

A single collection (2003) in K from West Norfolk (Holkham Meals) originally determined as *C. fasciatus* (q.v.) (redet. based on ITS data analysis, K. Liimatainen unpubl.).

**Cortinarius 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, Moëgne-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, Moëgne-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, Moëgne-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** Moëgne-Locc. & Reumaux, in Bidaud, Carteret, Eyssartier, Moëgne-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 paralbocyanus** Eyssartier, in Bidaud, Carteret, Eyssartier, Moëgne-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, Moëgne-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, Moëgne-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. Natn Parks* 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 pruinaus** Bidaud, Moëgne-Locq. & 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, Moëgne-Locq. & Reumaux, *Atlas des Cortinaires* (Mezieu) 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, Moëgne-Locq. & Reumaux & Carteret, *Atlas des Cortinaires* (Mezieu) 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 & Moëgne-Locq., *Atlas des Cortinaires* (Mezieu) 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, Moëgne-

Locq., Reumaux & Carteret, *Atlas des Cortinaires* (Mezieu) 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 & Moëgne-Locq., in

Bidaud, Moëgne-Locq., 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, Moëgne-Locq., Reumaux & Henry, *Atlas des Cortinaires* (Mezieu) 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, Moëgne-Locq. & Reumaux, *Atlas des Cortinaires* (Mezieu) 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 (Tudeley 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, Moëgne-Loccoz & Reumaux, *Atlas des Cortinaires* (Meyzieu) 14: 908 (2004)

**E:** !

**H:** English collections in damp soil in *Alnus* carr.  
Two collections (2009 & 1998) at K respectively from North  
Somerset (Cattcott 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, Moëgne-Locc. &  
Reumaux, *Bull. trimest. Soc. mycol. Fr.* 115(4): 417 (1999)

**E:** !

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

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

**E:** !

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

Collections (2004 onwards) at K from Derbyshire (Deep Dale), North Somerset (Hellinge 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** Moëgne-Loc., in Reumaux & Moëgne-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 subgaleroideus** 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, Moëgne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires* (Meyzieu) 10: 400 (2000)

**E:** !

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

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

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

**E:** !

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

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

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

**E:** !

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

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

**Cortinarius violaceopapillatus** Bidaud, in Bidaud, Moëgne-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. Frøselev & T.S. Jeppesen.

**Cortinarius xantholamellatus** Bidaud, in Bidaud, Moëgne-Loccoz, Carteret, Reumaux & Eyssartier, *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, Rocabrana, Vila, Llistosella, Tabarés, Ballarà, Rodríguez, Torrent & Cortés, *Bolets de Catalunya* (Barcelona) 19(901–950): làm. 908 (2000)

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

**sinuosus** (Fr.) Fr.

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

**Crepidotus calolepis** (Fr.) P. Karst.

**E:** ! **NI:** !

**H:** On dead wood of broadleaved trees.

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

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

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

Type: *Cruentomyцена 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 (Castlewelan 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*.

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

Name changed from *Hygrocybe virginea*.

**Cyphellostereum laeve** (Fr.) D.A. Reid

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

**Cystolepiota fumosifolia** (Murrill) Vellinga

**E:** !

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

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

**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 atrocinerum** (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 Easternness (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., *Annl. 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 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 lilacinroseum** 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 nitens** (Velen.) Noordel.

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

**Entoloma occulipigmentatum** 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 viiduese** 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*.

**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. & Ryvardeen

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

**silvae-ryae** J. Erikss. & Ryvardeen

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

**FIBROPORIA** Parmasto, *Consp. System.***Corticac.** (Tartu): 176 (1968)

Type: *Fibroporia vaillantii* (DC.) Parmasto

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

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

Name changed from *Antrodia citrina*.

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

Name changed from *Antrodia gossypium*.

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

Name changed from *Antrodia vaillantii*.

**Flagelloscypha parasitica** (Berk. & Broome) Agerer, *Mycotaxon* 9(2): 464 (1979)  
*Cyphella parasitica* Berk. & Broome, *J. Linn. Soc., Bot.* 14(no. 74): 74 (1873) [1875]

**E:** !

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

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

**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*.

**Ganoderma adpersum** (Schulzer) Donk

**E:** !

**H:** On wood of angiosperms and gymnosperms.

Remove from synonymy of *G. australe* (q.v.) as *G. adpersum* 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.* [*Myckeys* 75: 71-143 (2020)].

**Ganoderma australe** (Fr.) Pat.

**E:** !

**H:** On wood of angiosperms.

Recognised as a predominantly southern hemisphere species distinct from *G. adpersum* 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.* [*Myckeys* 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.* [*Myckeys* 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.* [*Myckeys* 75: 71-143 (2020)] included a sequenced collection from an *Abies* stump in Germany suggesting that Europe could be within its natural range.

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

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

**Geastrum minimum** Schwein.

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

**Geastrum pseudolimbatum** Hollós

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

**Gloiocephala menieri** (Boud.) Singer

**E:** !

**H:** English collection on dead *Typha latifolia* in fen.

Move from 'excluded' list. A collection (2017) at K from East Norfolk (Filby Broad).

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

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

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

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

Name changed from *Hygrocybe vitellina*.

**Gymnopilus neerlandicus** (Huijsman) Contu

*Hebelomina neerlandica* Huijsman

Move to 'excluded' list.

**Gyroporus lacteus** Quéf.

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 *Hypodontia hastata*.

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

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

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

**E:** !

**H:** Occurs with a wide range of trees and shrubs in various habitats including dunes, parkland, scrub and woodland. New record. English collections verified from Buckinghamshire (Rushbeds Wood), Derbyshire (Ladybower Reservoir), Nottinghamshire (Clumber Park and Daneshill Forest), Warwickshire (Bishopston) 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.*, *FungEur*14: 355 (2016)]."

**alpinum** (J. Favre) Bruchet

Move to 'excluded' list.

**ammophilum** Bohus

Move to 'excluded' list.

**anthracophilum** Maire

**E:** !

**H:** Occurs on burnt ground and likely to be associated with *Fagaceae*. Move from 'excluded' list. Amend the above details and replace **Notes** with: "Verified English collections from Derbyshire (Chatsworth) and South-east Yorkshire (Holmsfield Wood)."

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

Move to 'excluded' list.

**atrobrunneum** Vesterh.

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

**birrus** (Fr.) Gillet

*Hebeloma calyptosporum* Bruchet

*Hebeloma radicum* (Cooke) Maire

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

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

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

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

*Hebeloma colossus* Huijsman

**E:** !

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

Move *H. colossus* from 'excluded' list to synonymy [following morphological studies by Beker *et al.*, *FungEur*14: 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.*, *FungEur*14: 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 Meads). 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.*, *FungEur*14: 218 (2016)]. Note that this is not one of the most frequently recorded *Hebeloma* species in Britain fide Beker *et al.* [*FM* 18(4): 119–132 (2017)] and collections they studied represented "some 15 different taxa!" Existing collections therefore require re-analysing before the distribution of this species can be satisfactorily understood.

**danicum** Gröger

**E:** !

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

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

**dunense** L. Corb. & R. Heim  
*Hebeloma collariatum* Bruchet

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

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

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

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

**E:** !

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

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

**fragilipes** Romagn.

Move to 'excluded' list.

**fusisporum** Gröger & Zschiesch.

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

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

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

**E:** !

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

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

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

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

**E:** !

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

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

**hetieri** Boud.

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

**hiemale** Bres.  
*Hebeloma oculatum* Bruchet

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

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

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

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

**E:** !

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

**incarnatum** A.H. Sm.

Move to 'excluded' list.

**ingratum** Bruchet

**E:** !

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

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

**ischnostylum** (Cooke) Sacc.

**E:** !

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

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

**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), Easternness (Curr Wood, Glenmore, Insh, Loch an Eilein, Loch Loy and Tullochgrue), (South-west Yorkshire (Lords Lot), Surrey (Boldermere) and Westmorland (Roudsea)."

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

**E:** !

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

**lutense** Romagn.

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

**H:** Occurs with *Salicaceae* and usually on wet sites. Remove from synonymy of *H. cavipes* in 'excluded' list and recognise as separate species. Verified collections from Easternness (Bogach and Loch Loy), Orkney and Surrey (Boldermere and Bookham Common).

**marginatum** (J. Favre) Bruchet

Move to 'excluded' list.

**mesophaeum** (Pers.) 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 (Challock Wood), Easternness (Glenmore) and Mid Perthshire (Rannoch).

**nauseosum** Sacc.

*Hebeloma gigaspermum* Gröger & Zschiesch.

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

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

Amend author citation [replacement name for the illegitimate *Agaricus nauseosus* Cooke (1887)], move from 'excluded' list and include *H. gigaspermum* as a synonym. Add the above details and replace **Notes** with: "Cooke's illustration of specimens from West Gloucestershire (Park End) has been designated as lectotype supported by a sequenced Italian epitype [Beker *et al.*, *FungEur*14: 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.*, *FungEur*14: 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.*, *FungEur*14: 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.*, *FungEur*14: 303 (2016)].

**pumilum** J.E. Lange

**E:** !

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

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

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

**O:** Isle of Man: !

**H:** Occurs with *Salicaceae*.

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

**sacchariolens** 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.*, *FungEur*14: 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.*, *FungEur*14: 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.*, *FungEur*14: 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 *FungEur*14). However, *Hebelomina neerlandica* has been recombined as *Gymnopilus neerlandicus* (q.v.). Based on their molecular studies, Beker *et al.* (in *FungEur*14) 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.

**HETEROGASTRIDIDIUM** 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, Přírodní Vědy*. 1: 61 (1958)

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

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

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

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

**H:** Occurs in calcareous grassland.

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

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

**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 (Orierton Wood). The paratypes include a Welsh collection (2008) in K from Pembrokeshire (Hundleton).

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

### **hymenocephalus**

Name changed from *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 (Orielson 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 (Bloreng).

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

**E: ! W: !**

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

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

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

**E: ! W: !**

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

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

**Hohenbuehelia auriscalpium** (Maire) Singer

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

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

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

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

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

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

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

**H:** On dead parts of coastal grass culms, usually of *Ammophila arenaria*, in sand dunes, often fruiting around the stem bases. Rarely reported but apparently widespread. The historical concept of *H. culmicola* sensu auct. Brit. included a distinct

taxon now recognised as *H. bonii*. Basidiomes are larger than those of true *H. culmicola* (q.v.) and the two species can occur at the same site. Known from Britain, France and the Netherlands.

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

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

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

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

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

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

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

**Hohenbuehelia grisea** (Peck) Singer

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

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

Move from 'excluded' list following DNA analysis (K.

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

**Hohenbuehelia pinacearum** Thorn

Move to 'excluded' list. The remainder of the entry should be

retained but headed by the name **Hohenbuehelia joserandii** Consiglio & Setti, *Riv. Micol.* 60(1): 20 (2017). This is the European species found on coniferous wood formerly misdetermined as the N. American *H. pinacearum*.

### **HYDNELLUM** P. Karst.

Molecular analyses (LSU and ITS regions) have shown that the traditional morphological distinction between this genus and *Sarcodon* is no longer tenable [Larsson *et al.* *MycKeys* 54: 31–47. (2019)]. Both genera continue to be recognized but *Sarcodon* is now much reduced and *Hydnellum* has an emended description. The following 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, *MycKeys* 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, *MycKeys* 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 [*FM*22(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 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 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 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 [*FM*23(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).

**HYGROCYPE** (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 [*FM*20(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 Lledi Reservoir). A sequence was generated from the latter (K. Liimatainen unpubl.) and found to be identical to that obtained from Swedish material of *H. radicata* var. *bispora* s. Petersen & Hughes.

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

Name changed from *Xerula xeruloides*.

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

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

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

**E:** !

**H:** English collection on fallen decayed wood.

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

**Hyphoderma pallidum** (Bres.) Donk

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

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

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

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

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

**E:** !

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

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

**HYPHODONTIA** J. Erikss.

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

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

**E:** !

**H:** English collection on manured soil in vegetable allotment.

**D+I:** FM 12(4): 135-136, back cover (2011)

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

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

**E:** !

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

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

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

**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 geotropica* (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*.

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

Name changed from *Clitocybe geotropica*.

**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.

**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 & Rioussel) 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).

### **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.).

**flocpipes** (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).

**fuscacentipes** 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 '*krieglsteineri*'], *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)].

**metrodi** 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. Natn Parks* 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).

**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.).

**obscurioides** 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)].

**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).

**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.

**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.

**pisciadorum** (Donadini & Rioussat) 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. *pisciadora* 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)].

**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 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 & Cléménçon, *Nova Hedwigia* 23(2-3): 308 (1973) [1972]

**S:** !

**H:** Scottish collection on soil in heathland. A collection (2021) from Easternness (Uath Lochan) determined as this based on morphological characters and documented in Henrici [FM23(1): 35 (2022)].

**Lepista flaccida** (Sowerby) Pat.

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

**Leptosporomyces fusoides** (Jülich) Krieglst.

Move to synonymy of *Athelopsis fusioidea*.

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

**E:** !

**H:** English collection on soil in grass. New record. A collection (2015) at K from South Somerset (Selworthy Churchyard).

**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 hydroidea** 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.: *Tephrocycbe impexa* sensu Orton

Move from synonymy of *Tephrocycbe 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. Kennntn.*

*Pilze Mitteleur.* 3: 120 (1987)

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

**atratum** (Fr.) Singer

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

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

**E:** !

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

**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)].

**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).

**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)].

**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. turruta*, 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. excissa* 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: *Musciniupta 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) Qué!

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 (Chrachairnie 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 & Kjølner, *Fungal Biology* 117(11-12): 772 (2013)

*Mycena pura* var. *lutea* Gillet

*Mycena pura* f. *lutea* (Gillet) Kühner

**W:** !

**H:** Welsh collections in coastal dunes.

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

**Mycena pura** (Pers.) P. Kumm.

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

**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.

*Mycenella 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.*, *Corticaceae of North Europe* (Oslo) 5: 901 (1978)

Include *Mycoaciella* in synonymy.

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

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

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

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

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

**MYCOACIELLA** J. Erikss. & Ryvarden, in Eriksson *et al.*, *Corticaceae 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., Cléménçon, Moncalvo & Redhead, in Hofstetter, Redhead, Kauff, Moncalvo, Matheny & Vilgalys, *Cryptog. Mycol.* 35(4): 418 (2015) [2014]

Type: *Myochromella inolens* (Fr.) V. Hofst., Cléménçon, Moncalvo & Redhead

The following changes from *Tephroclype* are required following a six-gene phylogenetic analysis [Hofstetter *et al.*, *Cryptog. Mycol.* 35(4): 399-425 (2015)]:

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

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

**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** Raitelh., *Metrodiana* 22(2): 17 (1981)

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

**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 Easternness (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*.

**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.).

**PHAEACLAVULINA** 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 Currags) 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).

**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.).

**PELLINOPSIS** Y.C. Dai, *Fungal Diversity* 45: 309 (2010)

Type: *Pheillinopsis conchata* (Pers.) Y.C. Dai

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

Name changed from *Pheillinus conchatus*.

**Pheillinus conchatus** (Pers.) Qué.

Name changed to *Pheillinopsis 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 *Pheledon* and so *Bankera* is now listed as a synonym. This change subsequently led to the recombination of *B. violascens* in *Pheledon*.

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

Name changed from *Bankera fuligineoalba*.

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

Name changed from *Bankera violascens*.

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

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

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

**Phlegmacium triumphale** (Bidaud, Moëgne-Loec. & 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, *Feldiana, 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 & Hüttnen  
*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.).

**PSEUDOCITOPILUS** 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.).

**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, Køljalg, May, Cangren, Nilsson & Larsson, *MycKeys* 50: 41 (2019)

**E:** !

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

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

**S:** !

**H:** Ectomycorrhizal, Scottish collection fruiting on dead wood in a small group of planted *Populus*.

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

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

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

**H:** Mycorrhizal in *Pinus* and mixed woodland.

Documented as British in Svantesson *et al.* [*MycKeys* 50: 1–77 (2019)] based on matching collections made by U. Køljalg 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 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 filamentosa** (Velen.) Antonín, *Čas. morav. Mus. Brno, 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** Sesli & 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** Sesli & 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, *MycKeys* 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 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 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 Easternness (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 Caractères des Spores et des Revêtements: 299 (1967)

**E:** !

**H:** English collection on soil near *Quercus*.

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

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

**E:** !

**H:** English collection on soil near *Quercus*.

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

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

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

**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 Easternness 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., Cléménçon, Moncalvo & Redhead, in Hofstetter, Redhead, Kauff, Moncalvo, Matheny & Vilgalys, *Cryptog. Mycol.* 35(4): 418 (2015) [2014]

Type: *Sagaranelia tylicolor* (Fr.) V. Hofst., Cléménçon, Moncalvo & Redhead

The following changes from *Tephroclybe* are required following a six-gene phylogenetic analysis [Hofstetter *et al.*, *Cryptog. Mycol.* 35(4): 399-425 (2015)]:

**gibberosa** (Jul. Schäff.) V. Hofst., Cléménçon, Moncalvo & Redhead, in Hofstetter, Redhead, Kauff, Moncalvo, Matheny & Vilgalys, *Cryptog. Mycol.* 35(4): 419 (2015) [2014]

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

**H:** In coniferous litter, nitrophilous.

Move *Tephroclybe 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., Cléménçon, Moncalvo & Redhead, in Hofstetter, Redhead, Kauff, Moncalvo, Matheny & Vilgalys, *Cryptog. Mycol.* 35(4): 419 (2015) [2014]

*Sagaranelia tesquorum* (Fr.) V. Hofst., Cléménçon, 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 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 niveocreum* (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)].

**niveocreum** (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 niveocreum* (Höhn. & Litsch.) J. Erikss.  
New heading for entry currently headed by *Sistotremastrum niveocreum* (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.).

**SPHAGNURUS** Redhead & V. Hofst., in  
Redhead, *Index Fungorum* 202: 1 (2014)  
Type: *Sphagnurus paluster* (Peck) Redhead & V. Hofst.  
The following change from *Tephrocycbe* 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 *Tephrocycbe 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 (Pläs  
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  
*Sagaranelia 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 *Sagaranelia tylicolor* (q.v.).

**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-brÿch).

**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 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).

**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 ramososimum* 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 candelariellae** Diederich & Etayo, in Diederich, *Bibliothca Lichenol.* 61: 52 (1996)

**E:** !

**H:** On *Candelariella vitellina*.

A collection (2010) at E from East Norfolk.

**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 Easternness (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 chlorotera*.

A collection at E (2015) from East Lothian (The Brunt) and also reported from Moray (near Forres).

**Tremella parmeliarum** Diederich, *Bibliothca 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.* [*Myckeys* 21: 33–88 (2017)].

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

**E:** !

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

**Xerula causei** Maire

Name changed to *Paraxerula causei* (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 & Ryvarde, *Syn. Fung.* (Oslo) 26: 34 (2009)

Name changed from *Hyphodontia aspera*. **Epithet corrected from *asperus*.**

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

Name changed from *Hyphodontia breviseta*.

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

Name changed from *Hyphodontia crustosa*.

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

Name changed from *Hyphodontia nespori*.

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

Name changed from *Hyphodontia pruni*.

**quercinus** (Pers.) Gray

Name changed from *Hyphodontia quercina*.

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

Name changed from *Hyphodontia rimosissima*.

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

Name changed from *Hyphodontia sambuci*.

## 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, Pöldmaa, 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 *Platygløea 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 Ebudus (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*.

**Helicogloea angustispora** L.S. Olive

Note the change of epithet spelling from that of the protologue (*angustispora*). 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, Pöldmaa, 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** (Bourdote & Galzin) P. Roberts  
Name changed to *Bourdoteigloea vestita* (q.v.).

**HETEROGASTRIDIIUM** 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. Festschr. Kjøbenhavn* 30: 144 (1890)

**W:** !

**H:** Welsh collections in anthers of *Pinguicula vulgaris*.

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

**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, Pöldmaa, Nordén, Miettinen, Larsson, *Fungal Systematics and Evolution* 2: 336 (2018)

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

**farinaceum** (Höhn.) Spirin & K. Pöldmaa, in Malysheva, Trichies, Savchenko, Pöldmaa, 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 *Saccoblastia* (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 Easternness, (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. Secur. van. kasvit. Julk.* 34(3): 24 (1963)

**S:** !

**H:** In the ovaries of *Carex dioica*.

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

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

**S:** !

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

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

**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-funqi/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)].

**Urocystis aquilegiae** (Cif.) Schwarzman, *Flora Sporovykh Rastenii 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) Sävul., *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 (Llynau 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).

**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. caroviola* (which is British) was incorrectly listed as a synonym [Kibby & Tortelli, *FM18(1)*: 18 (2017)].

**alienata** (S. Lundell) J. Erikss., Hyphodontia

Name changed to *Kneiffiella alienata*.

**alpestre** Pers., *Hericium*, *Mycol. eur.* (Erlanga) 2: 151 (1825)

Not authentically British. Sensus Ing's (1992) Provisional Red Data List is possibly misdetermined. *Hericium coralloides*.

**alpinum** (J. Favre) Bruchet, Hebeloma

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

second sentence of **Notes**: "Reported from Scotland but material in E is annotated as 'cf.' *H. alpinum*."

**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 fusoides*.

**balteatus** Fr., Cortinarius  
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.*, *FungEur*14: 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.

**calyptosporum** 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, Flatopers 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** (Qué.) Sacc., Hebeloma  
Move from 'included' list following redetermination of voucher collections in K from East Kent (Queensdown Warren) as *H. laterinum*, from South Wiltshire (Swallowcliffe) as *H. hiemale* and from West Norfolk (Holkham Dunes) as *H. crustuliniforme* s.str. which were supporting its CBIB inclusion [Beker *et al.*, FM 18(4): 119–132 (2017)]. These authors regard *H. circinans* as "a subalpine/subarctic species usually recorded in Scandinavia and France on calcareous ground".

**claviceps** (Fr.) Qué., Hebeloma  
Amend the recombining author's name as above.

**clavulipes** Romagn., Hebeloma  
Move to 'included' list.

**collariatum** Bruchet, Hebeloma  
Move to 'included' list as a synonym of *H. dunense* (q.v.).  
Delete **Notes** and **D+I**.

**colossus** Huijsman, Hebeloma  
Move to 'included' list as a synonym of *H. bulbiferum* (q.v.).

**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*.

**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*. Sensus auct. is *Sagaranelia tylicolor*.

Name changed to *Sagaranelia erosa* (Fr.) V. Hofst., Cléménçon, 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. nigromamosus* (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. subortum* (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.

**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.

**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. scabrosus* (q.v.).

**gracile** Berk., Ileodictyon, *London J. Bot.* 4: 69 (1845)  
Erroneously reported as "recently added to the British list with a collection from Suffolk [sic]" in Kibby [*Mushrooms and toadstools of Britain & Europe* 1 (2017)] referring to a collection in K from Norfolk (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.).

**incarnatum** A.H. Sm., Hebeloma  
Move from 'included' list following redetermination of two collections from Easternness (Curr Wood) and Westmorland (Roudsea) as *H. leucosarx* which were supporting its CBIB inclusion [Beker *et al.*, FM 18(4): 119–132 (2017)]. These authors regard *H. incarnatum* as a species "normally collected in *Sphagnum* sites with conifers, primarily in subalpine or subarctic areas".

**ingratum** Bruchet, Hebeloma  
Move to 'included' list.

**ischnostylum** (Cooke) Sacc., Hebeloma  
Move to 'included' list.

**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** Quéll., 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. granulatum* and *G. marginatum*. All ITS sequences derived from British material previously assigned to *G. minimum* clustered with those of *G. marginatum*. British *G. minimum* collections assigned to *G. marginatum* (q.v.) on this basis.
- morganii** (Peck) H.E. Bigelow, Hygrophoropsis  
Move to synonymy of *Aphroditeola olida* (q.v.).
- multiformis** Fr., Cortinarius  
Move to 'included' list.
- 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)].
- 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*.
- poppyzon** Melot, Cortinarius  
Move from 'included' list following sequencing, matching with the sequence from a holotype and redetermination, as *C. quarcticus*, 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. quaraticus* 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. hydrotelamonoides* 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 & Moëne-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. nigrocuspis* 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).

**subcollariatum** (Berk. & Broome) Sacc., Hebeloma  
Move to 'included' list as a synonym of *H. mesophaeum* based on holotype studies [Beker *et al.*, *FungEur*14: 647 (2016)].

**subfuliginosa** Bourdot & Galzin, Hymenochaete  
Remove from synonymy of *H. fuliginosa* and move both to 'included' list.

**subgaleroides** Rob. Henry, Cortinarius  
Move from 'included' list following sequencing and redetermination, as *C. impolitus* s.l., of the single voucher

collection in K (from Middlesex, Hounslow Heath) which was supporting its CBIB inclusion (K. Liimatainen unpubl.).

**sublaevis** (Bres.) Jülich, Ceraceomyces

Move from 'included' list as the name has been widely misapplied and is a *nomen confusum*. The type of *Corticium sublaeve* Bres. was found to be conspecific with *Metulodontia nivea* (P. Karst.) Parmasto. *C. sublaevis* sensu CNE2 has been split into two species, the cystidiate *C. eludens* (q.v.) and acystidiate *C. microsporus* (q.v.).

**subpulverulenta** (Pers.) Singer, Melanoleuca

Move to 'included' list and add to synonymy of *M. phaeopodia* (q.v.).

**subsaponaceum** P. Karst., Hebeloma

Move to synonymy of *H. syrjense*.

**syrjense** P. Karst., *Bidr. Känn. Finl. Nat. Folk* 32: 475 (1879)  
*Hebeloma subsaponaceum* P. Karst.

Move *H. subsaponaceum* to synonymy and amend **Notes** to: "Not authentically British. An unverified English record (2004) is mentioned in Beker *et al.*, FM 18(4): 119–132 (2017), but this refers to a collection from deciduous woodland in East Sussex (St Dunstan's Farm) which is preserved in K as *H. cf. syrjense* and which requires molecular investigation. These authors regard *H. syrjense* as "a subalpine/subarctic species often in mossy soil with conifers; most of our records are from Scandinavia and France." Two collections named *H. subsaponaceum* in K from Scotland (Orkney) have been redetermined by Vesterholt as *H. birrus*.

**tenuicula** (P. Karst.) Örstadius & Hühntinen, 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*).

## BASIDIOMYCOTA, USTILAGINOMYCOTINA

**heterospora** (B. Lindb.) Kukkonen, Anthracoidea

Move to 'included' list.