CBIB ELEVENTH UPDATE (UD11) (Ainsworth, A.M. & Henrici, A. January 2023)

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.

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 (from the FGB&I website). Alternatively, one can consult the printed book published in 2005 followed by the two compendia UD1–6 and UD7–11 (both available at FGB&I).

Updating and harmonising the taxonomic opinions of Species Fungorum and of CBIB in their current (independently edited) formats requires a huge duplication of effort and is neither justifiable nor possible with current resources. For this reason, CBIB updates no longer attempt to include all taxonomic rearrangements and Species Fungorum may provide a more up to date opinion on such matters. The main (but not exclusive) focus of this and future CBIB updates will be on amendments that cannot be made within SF, such as documenting new *Basidiomycota* additions to, or exclusions from, the British and Irish funga.

We would like to thank all those who have sent collections to the Kew fungarium and those who have carried out sequencing work and/or analysed the resulting data in the quest for a more complete understanding of the British and Irish basidiomycete funga. Special thanks in this regard go to Alona Biketova, Kare Liimatainen and Danhao Wang at RBG Kew and to Nick Aplin, David Harries, Eric Janke, Geoffrey Kibby, Andy Overall and Mario Tortelli for all their DNA-supported investigations.

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 Standard References
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.

ADDITIONS & AMENDMENTS TO LIST OF INCLUDED TAXA

BASIDIOMYCOTA, AGARICOMYCOTINA

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 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.

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

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*.

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)].

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.

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

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

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)].

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Cortinarius phaeosmus Rob. Henry, *Bull. trimest. Soc. mycol. Fr.* 97(3): 250 (1981)
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 roseomyceliosus Bidaud, in Bidaud, Moënne-Loccoz, Reumaux & Carteret, *Atlas des Cortinaires* (Meyzieu) 18(1, 2): 1303 (2009)
S: !
H: Scottish collection on soil in *Picea* plantation.
A collection (2021) in K from Morayshire (Nethy Bridge) determined as this by matching its barcode sequence (Alvalab) with that of the holotype (identical).

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

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

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

Cortinarius subcoronatus Bidaud
Move to synonymy of *C. subturibulosus* (q.v.).

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

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 violaceopapillatus Bidaud, in Bidaud, Moënne-Loccoz, Reumaux & Carteret, *Atlas des Cortinaires* (Meyzieu) 19: 1509 (2010)
E: !

H: In soil with *Fagus*.
Occurrence in Surrey verified by matching barcode sequence(s) with that of the holotype fide Kibby & Tortelli (2021).

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

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

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

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

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).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Entoloma viiduense Noordel. & Liiv, *Persoonia* 15(1): 24 (1992)
E: !

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

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

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).

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.).

Hydnum reginae Kibby, Liimat. & Niskanen, in Kibby & Liimatainen, *Index Fungorum* 523: 1 (2022)
Mis.: *Hydnum albidum* sensu auct. Eur.
E: ! **W:** !
H: In calcareous soil of *Fagus* woodland and in grassland with *Helianthemum*.
Described with a sequenced English holotype, now in K, from Surrey (White Downs) and an unconfirmed record from Caernarvonshire (Great Orme). Documented in Kibby & Liimatainen [FM23(3): 77-80 (2022)].

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).

Inocybe 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.

Inocybe 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)].

Inocybe 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*.

Inocybe 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)].

Inocybe 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).

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

Inocybe 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).

Inocybe 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).

Inocybe 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)].

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

Inocybe 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).

Inocybe 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).

Inocybe 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).

Inocybe 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).

Inocybe 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).

Inocybe 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).

Inocybe 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).

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

Inocybe 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)].

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

Inocybe 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)].

Inocybe 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.

Inocybe 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.

Inocybe 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).

Inocybe 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).

Inocybe 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)].

Inocybe 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).

Inocybe 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)].

Inocybe 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)].

Inocybe striatorimosa P.D. Orton

Move to the synonymy of *I. soluta* (q.v.).

Inocybe 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).

Inocybe 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.

Inocybe 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 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.

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).

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

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

Mallocybe 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.

Mallocybe 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).

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

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

Melanoleuca nivea Boekhout

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

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

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).

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

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

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

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

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

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

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

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

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

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

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

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 tenuicula (P. Karst.) Örstadius & Hühtinen
Psathyra tenuicula P. Karst.
Coprinellus parvulus (P.-J. Keizer & Uljé) Házi, L. Nagy, Papp & Vágvölgyi, in Házi, Nagy, Vágvölgyi & Papp, *Mycol. Progr.* 10(3): 367 (2011)
E: !
H: On herbivore dung.
This was placed in the 'excluded' list in UD4 (2009) based on an erroneous interpretation of a published study: "Listed as British by …. Larsson & Örstadius [*Mycol. Res.* 112(10): 1165-1185 (2008)], but without voucher material." On the contrary, however, that study included a sequenced British collection (1997) in K found on horse dung in Buckinghamshire (Burnham Beeches) and initially accessioned as *P.* cf. *sphaerocystis*. Move from 'excluded' list and delete **Notes**. A more recent collection from deer dung in Norfolk was

determined as *C. parvulus* based on morphological characters (Y. Mynett, D.J. Schafer) and subsequently molecularly confirmed as *P. tenuicula* (B. Douglas). This species is currently treated in a wide sense, following Larsson & Örstadius (2008), but if a narrower species concept is adopted in future, it is likely that the two known British collections would be assigned to different species.

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).

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)].

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

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

Russula 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)].

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.

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).

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.).

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

Thaxterogaster reginae Niskanen, Liimat., Kytöv. & Danhao Wang, in Liimatainen, Wang, Savage, Niskanen & Kytövuori, *Index Fungorum* 524: 1 (2022)
E: !

H: In calcareous soil associated with *Fagus sylvatica*.
Described with a sequenced English paratype, now in K, collected in 2018 from Buckinghamshire (Pullingshill Wood).

Thaxterogaster 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).

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)].

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)].

BASIDIOMYCOTA, PUCCINIOMYCOTINA

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

Crittendenia 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).

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.

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.

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)].

BASIDIOMYCOTA, USTILAGINOMYCOTINA

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)].

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

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

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

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

ALIEN BASIDIOMYCETES

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

ADDITIONS & AMENDMENTS TO LIST OF EXCLUDED TAXA

BASIDIOMYCOTA, AGARICOMYCOTINA

amblyospora Kühner, Inocybe
Move to 'included' list.

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

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.).

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.).

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

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.

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

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)].

lasiosperma (Bres.) Locq., Mycenella
Mycena lasiosperma Bres.
Delete **Notes** and move to 'included' list. Add to the synonymy of *Mycenella margaritispora* (q.v.).

leiocastaneus Niskanen, Liimat. & Soop, Cortinarius
Move to 'included' list.

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

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

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

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.

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

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

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

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

tigrina R. Heim, Inocybe
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".