

FIFTH UPDATE

(May 2011)

Many minor additions and corrections have been made to the printed Checklist published in 2005 (additional new county records, etc.) as well as more substantial changes. These latter changes are noted below (and in four previous Updates, 2006-2009) and include taxa newly discovered in the British Isles, names inadvertently omitted in the printed Checklist, name changes, and a few species which have moved from 'excluded' to 'included' or vice-versa. Publication references are not repeated where they are already given in the printed Checklist. Suprageneric taxa (families and orders) have not been included in this update pending a review of all CBIB entries.

The database will continue to be updated and major changes will be noted in these pages every year or so.

Bibliography

Additions to Short References

- A&N4.** Antonin, V. & Noordeloos, M.E. (2010). *A monograph of marasmioid and collybioid fungi in Europe*. IHW Verlag. 478 pp.
- FAN6.** Noordeloos, M.E., Kuyper, Th.W. & Vellinga, E.C. (eds) (2005). *Flora Agaricina Neerlandica* 6. Boca Raton: CRC Press. 227 pp.
- FN.** Knudsen, H. & Vesterholt, J. (eds). (2008). *Funga Nordica: agaricoid, boletoid and cyphelloid genera*. Copenhagen: Nordsvamp. 965 pp.
- FNE1.2.** Boertmann, D. (2010). *The genus Hygrocybe* 2nd revised edition. *Fungi of Northern Europe* 1. 200 pp.
- FungEur5A.** Noordeloos, M.E. (2004). *Entoloma s.l.* (supplement). *Fungi Europaei* 5A. 618 pp.
- FungEur10.** Bernicchia, A. (2005). *Polyporaceae s.l.* *Fungi Europaei* 10. 808 pp.
- FungEur12.** Bernicchia, A. & Gorjón, S.P. (2010). *Corticaceae s.l.* *Fungi Europaei* 12. 1008 pp.
- Funglpo.** Montecchi, A. & Sarasini, M. (2000). *Funghi ipogei d'Europa*. Associazione Micologica Bresadola. 714 pp.
- Lud1.** Ludwig, E. (2000). *Pilzkompedium Band 1. Abbildungen*. IHW Verlag. 192 pp.
- Ph2.** Phillips, R. (2006) *Mushrooms*. London: Macmillan. 384 pp.
- Sarn2.** Sarnari, M. (2005). *Monografia Illustrata del Genere Russula in Europa (Tomo Secondo)*. Associazione Micologica Bresadola. 768 pp.

Additions to Standard References

- Cadiñanos, J.A. (2004). *Cortinarius* subgen. *Phlegmacium* raros o interesantes. *Fungi non delineati* 29: 1-89.
- Consiglio, G. & Setti, L. (2008). *Il Genere Crepidotus in Europa*. Associazione Micologica Bresadola. 344 pp.
- Denchev, C.M., Moore, R.T. & Shin, H.D. (2006). A reappraisal of the genus *Bauhinus* (Microbotryaceae). *Mycologia Balcanica* 3: 71 – 75.
- Lange, M. (1948). Macromycetes. I. The Gasteromycetes of Greenland. *Meddelelser om Grønland* 147: 1-32.
- Maas Geesteranus, R.A. (1975). *Die terrestrischen stachelpilze Europas (The terrestrial hydnums of Europe)*. Amsterdam: North-Holland Publishing Company. 127 pp.
- Moser, M. & Jülich, W. (1985-). *Farbatlas der Basidiomyceten (Colour Atlas of Basidiomycetes)*. Berlin: Gustav Fischer Verlag.
- Stangl, J. (1989). Die Gattung *Inocybe* in Bayern. *Hoppea, Denkschr. Regensb. Bot. Ges.* 46: 5-388.
- Vanky, K. (2005). European Smut Fungi (Ustilaginomycetes p.p. and Microbotryales) according to recent nomenclature. *Mycologia Balcanica* 2: 169 – 177.

ADDITIONS & AMENDMENTS TO LIST OF INCLUDED TAXA

BASIDIOMYCETES

AKENOMYCES G. Arnaud ex D. Hornby, *Trans.*

Brit. Mycol. Soc. 82(4): 653 (1984)

Akenomyces G. Arnaud, *Ann. École Natl. Agric. Montpellier* 29: 6 (1954) [*nom. inval.*]

Type: *Akenomyces costatus* D. Hornby

costatus D. Hornby, *Trans. Brit. Mycol. Soc.* 82(4): 653 (1984)

E: !

H: Described from cultured sclerotia (ca 0.25 mm long) originally observed in 1978 on the roots of rotting wheat seedlings from wheat-field soil in Hertfordshire (Rothamsted). Isolated from a wheat stem-base in Shropshire (Newport) deposited at IMI in 1992, from wheat debris (Finland and Switzerland) and from submerged leaves of *Cladium* (Austria).

D+I: *Österr. Z. Pilzk.* 6: 61-66 (1997)

Basidiomycetous (clamped) anamorph of unknown affinities, omitted from printed Checklist. A recent (2010) collection in K from decaying *Phragmites* culms in Northamptonshire (Fermyn Woods) with larger sclerotia might represent *A. costatus* var. *enigmaticus* G. Arnaud ex D. Hornby.

Amanita betulae Neville & Poumarat, *Fungi non delineati* 51-52: 27 (2009)

E: !

H: On soil, under *Betula*.

D+I: *FM* 12(1): 3-4 (2011)

New record. Recent collections (from 2009) at K from East Kent, Hertfordshire, Middlesex and Shropshire. A recently-distinguished and poorly-known morphological/ecological segregate of the *A. vaginata* complex.

Amanita dryophila Cons. & Contu, *Persoonia* 17(2): 287 (1999)

E: !

H: On soil, with grass and *Pteridium aquilinum* under *Quercus* and *Betula* in former wood pasture.

I: *FM* 4(4): front cover (2003)

New record. A recent collection (2007) at K from Surrey (Ashtead Common), confirmed by M. Contu.

Amaurodon viridis (Alb. & Schwein.) J. Schröt.

E: !

H: English collection from the underside of *Salix* log in wet heath.

D: *Köljalg*: 36-40

Move from 'excluded' list. A recent collection (2010) at K from South Hampshire (New Forest), confirmed by U. Köljalg. Recent DNA sequencing work suggests that this and other European material currently assigned to *A. viridis* belong to a single taxon. However, these samples differ from the type specimen and so will probably require another name in due course (*vide* U. Köljalg). Listed in Rea (1922) as *Caldesiella viridis*, but the one old collection so named at K has been redetermined as *Mycocacia uda*.

AMYLOXENASMA (Oberw.) Hjortstam & Ryvarde, *Syn. Fungorum* 20: 34 (2005)

Type: *Amyloxenasma grisellum* (Bourdot) Hjortstam & Ryvarde

The following entries are name changes for species with smooth amyloid spores previously listed in the genus *Phlebiella* (q.v.).

allantosporum (Oberw.) Hjortstam & Ryvarde, *Syn.*

Fungorum 20: 34 (2005)

Phlebiella allantospora (Oberw.) K.H. Larss. & Hjortstam

grisellum (Bourdot) Hjortstam & Ryvarde, *Syn. Fungorum* 20: 34 (2005)

Phlebiella grisella (Bourdot) K.H. Larss. & Hjortstam

ANOMOLOMA Niemelä & K.H. Larss., *Mycotaxon* 100: 312 (2007)

Type: *Anomoloma albolutescens* (Romell) Niemelä & K.H. Larss.

myceliosum (Peck) Niemelä & K.H. Larss., *Mycotaxon* 100: 313 (2007)

Name changed from *Ceriporiopsis myceliosa* confirmed on sequencing evidence by Niemelä et al. [*Mycotaxon* 100: 305-317 (2007)]

Antrodia macra (Sommerf.) Niemelä

Move to 'excluded' list.

APHANOBASIDIUM Jülich, *Persoonia* 10: 326 (1979)

Type: *Aphanobasidium pseudotsugae* (Burt) K.H. Larss. & Hjortstam

The following entries are name changes for species with smooth inamyloid spores previously listed in the genus *Phlebiella* (q.v.) with the exception of *P. paludicola* whose transfer to *Aphanobasidium* awaits a suitable combination.

albidum (Hauerslev) Boidin & Gilles, *Cryptog. Bot.* 1(1): 74 (1989)

Phlebiella albida (Hauerslev) Telleria, Melo & M. Dueñas

aurora (Berk. & Broome) Boidin & Gilles, *Cryptog. Bot.* 1(1): 74 (1989)

Phlebiella aurora (Berk. & Broome) K.H. Larss. & Hjortstam

bourdotii Boidin & Gilles, *Cryptog. Bot.* 1(1): 74 (1989)

Phlebiella bourdotii (Boidin & Gilles) Telleria, Melo & M. Dueñas

filicinum (Bourdot) Jülich, *Persoonia* 10(3): 326 (1979)

Phlebiella filicina (Bourdot) K.H. Larss. & Hjortstam

pseudotsugae (Burt) Boidin & Gilles, *Cryptog. Bot.* 1(1): 75 (1989)

Phlebiella pseudotsugae (Burt) K.H. Larss. & Hjortstam

sphaerosporum Boidin & Gilles, *Cryptog. Bot.* 1(1): 75 (1989) [non *Phlebiella sphaerospora* (Maire) Bondartsev & Singer (1953)]

Phlebiella boidinii Telleria, Melo & M. Dueñas

Armillaria cepistipes Velen., *České Houby* 11: 283 (1920)

E: !

H: On soil on buried wood in mixed broadleaved woodland.

D: *FAN*3: 38, *FN*: 253 **D+I:** B&K3: 138 133 **I:** C&D 181

Move from 'excluded' list. A single collection (2009) at K from Shropshire (Ironbridge) and two earlier unconfirmed collections (Buckinghamshire and Surrey). Reported from widely scattered locations in England but unsubstantiated with voucher material. Likely to have been historically overlooked.

Bolbitius pluteoides M.M. Moser, *Fungorum Rar. Icon. Color.* 7: 27 (1978)

Bolbitius reticulatus var. *pluteoides* (M.M. Moser) Arnolds, *Persoonia* 18(2): 210 (2003)

E: !

H: English collections on decayed or buried wood of broadleaved trees (*Fraxinus* and *Salix*).

D: FN: 624 **I:** C&D: 363

Move from 'excluded' list (excluded as *Bolbitius reticulatus* var. *pluteoides* which now becomes a synonym). New record. Recent (2009 & 2010) collections at K respectively from Middlesex (Perivale) and the Isle of Wight (Bouldnor Copse).

Boletus rhodoxanthus (Krombh.) Kallenb.

NI: !

H: Collection from Northern Ireland on soil in woodland with *Quercus petraea*.

D: NM2: 59, FN: 166 **D+I:** Ph: 201, B&K3: 62 19, FM 12(3): 100-102 (2011) **I:** C&D: 436

Move from 'excluded' list. A single collection (2009) at K from Fermanagh (Crom ASSI). There is an earlier unconfirmed report from Worcestershire by Rea in 1895, but without voucher material. The illustration in Phillips (Ph: 201, Ph2 283d) is of material from Corsica.

CALOCYBE Donk

Accepted as heterogeneous as used in the printed Checklist and most entries now moved into *Rugosomyces* (q.v.). *C. constricta* is moved into *Tricholomella* (q.v.) and only *C. gambosa* is retained where it is now joined by the species below.

favrei (R. Haller Aar. & R. Haller Suhr) Bon, *Doc. Mycol.* 29(115): 33 (1999)

Name changed from *Lyophyllum favrei*.

Calvatia turneri (Ellis & Everh.) Demoulin & M. Lange, *Mycotaxon* 38: 223 (1990)

Lycoperdon turneri Ellis & Everh., *J. Mycol.* 1(7): 87 (1885)

S: !

H: In alpine calcareous grassland and amongst *Salix herbacea*.

D: Lange (1948): 12, 19 & Fig. 2

A recent redetermination of two collections (1984) from East Perthshire (The Cairnwell) in E. *C. tatrensis* Hollós is possibly a synonym. It is a montane counterpart of *C. utrififormis*.

CANTHARELLOPSIS Kuyper, in Borghi (ed.), *La Famiglia delle Tricholomataceae*: 99 (1986)

Type: *Cantharellopsis prescotii* (Weinm.) Kuyper

prescotii (Weinm.) Kuyper

Name changed from *Gerronema prescotii*.

Ceriporia mellita (Bourdot) Bondartsev & Singer

E: !

H: On dead wood of broadleaved trees. English collections on *Fagus*, *Fraxinus* and ?*Salix*.

D+I: *Bull. Trimestriel Soc. Mycol. France* 113: pl. 334 (1997)

Move from 'excluded' list. Collections at K from England (East Kent, Hertfordshire, Surrey, West Sussex). Considered a synonym of *C. purpurea* in EurPoly1: 186.

Ceriporia spissa (Fr.) Rajchenb., *Mycotaxon* 17: 276 (1983)

Polyporus spissus Fr., *Elench. fung.* 1: 111 (1828)

E: !

H: English collection on fallen branch of *Pinus*

D: EurPoly1: 189

New record. A recent (2010) collection at K from South Somerset (Yeovil, Ninesprings) confirmed by L. Ryvarden. This orange species is included sensu Ryvarden, the Friesian concept being 'cinereo-spadiceus'.

Ceriporiopsis myceliosa (Peck) Ryvarden & Gilb.

Name changed to *Anomoloma myceliosum* (q.v.).

CHONDROGASTER Maire, *Bull. Soc. Mycol.*

France 40: 312 (1924)

Type: *Chondrogaster pachysporus* Maire

pachysporus Maire, *Bull. Soc. Mycol. France* 40: 313 (1924)

E: !

H: English collection in soil in *Eucalyptus* plantation.

D+I: FungIpo: 446-448

New record of an Australian hypogeous *Eucalyptus* associate. A recent (2010) collection at K from Nottinghamshire (Daneshill Energy Forest).

Clitopilus cystidiatus Hauskn. & Noordel., *Öster. Z. Pilzk.* N.S. 8: 200 (1999)

E: !

H: Usually in woodlands in warm sites.

D: FN: 432

New record. A recent (2008) collection at K from Oxfordshire (Harpsden Wood) under *Fagus* on chalk, as was the Austrian type collection, but also known from acidic conifer woods. Easily confused with *C. prunulus* but greyer and with conspicuous cheilocystidia.

COLLYBIA (Fr.) Staude

The treatment in A&N4 based on combined molecular and morphological studies necessitates the recognition of several smaller and more homogeneous genera. *Collybia cirrhata*, *C. cookei* and *C. tuberosa* remain in the genus *Collybia* sensu stricto. Name changes for other species are listed under *Gymnopus* and *Rhodocollybia*.

butyracea var. **asema** (Fr.) Quél.

Delete as a separate entry. Treated in A&N4 as a *f.* rather than a *var.* and so now to be included in synonymy of *Rhodocollybia butyracea*.

distorta (Fr.) Quél.

Reduce to a variety of *Rhodocollybia prolix* (q.v.).

Coprinellus saccharinus (Romagn.) P. Roux, Guy Garcia & V. Dumas, in Roux, *Mille et un Champignons*: 13 (2006)

Coprinus saccharinus Romagn., *Bull. Trimestriel Soc. Mycol. France* 92(2): 203 (1976)

E: !

H: On soil/buried wood in mixed broadleaved woodland.

D: FN: 560 (as *Coprinus saccharinus*), FAN6: 86 (as *Coprinus saccharinus*)

A new combination for this species previously excluded as *Coprinus saccharinus*. A single collection (2009) reported from Buckinghamshire (Wotton Park). Previously reported from Oxfordshire and Buckinghamshire but excluded as a dubious species not readily distinguished within the *C. truncorum* complex.

Coprinopsis lagopides (P. Karst.) Redhead, Vilgalys & Moncalvo

Move to 'excluded' list.

Coprinopsis lagopus var. **vacillans** (Uljé) P. Roux & Guy Garcia, in Roux, *Mille et un Champignons*: 13 (2006)

Name changed from *Coprinus lagopus* var. *vacillans*.

Coprinopsis phlyctidospora (Romagn.) Redhead, Vilgalys & Moncalvo, in Redhead, Vilgalys, Moncalvo, Johnson & Hopple, *Taxon* 50(1): 230 (2001)

Coprinus phlyctidosporus Romagn., *Rev. Mycol. (Paris)* 10(5-6): 88 (1945)

Wrongly named as *C. lagopides* (q.v.) in the printed Checklist.

Coprinopsis saccharomyces (P.D. Orton) P. Roux & Guy Garcia, in Roux, *Mille et un Champignons*: 13 (2006)

Name changed from *Coprinus saccharomyces*.

Coprinopsis stercorea (Fr.) Redhead, Vilgalys & Moncalvo *Agaricus stercorarius* Bull., *Herb. France* (Paris) 12: pl. 542 (1792)

Coprinus stercorarius (Bull.) Fr., *Epicr. syst. mycol.* (Uppsala): 251 (1838)

Remove the two names above from synonymy to 'excluded' list (q.v.).

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

E: !

H: On woodchip in garden path.

D+I: FM 11(1): 5-9 (2010)

New record. A recent collection (2009) at K from Oxfordshire (Wheatley) reported in FM 11(1) as new to Europe.

Coprinopsis tuberosa (Quél.) P. Roux & Guy Garcia, in Roux, *Mille et un Champignons*: 13 (2006)

Mis.: *Coprinus stercorarius* sensu NCL

A new combination for this species previously included as *Coprinus tuberosus*. Change Mis. from sensu Lange to sensu NCL as above.

Coprinus lagopus var. vacillans Uljé

Name changed to *Coprinopsis lagopus* var. *vacillans* (q.v.).

Coprinus saccharomyces P.D. Orton

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

Coprinus tuberosus Quél.

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

Cortinarius alpinus Boud., *Bull. Soc. Mycol. France*

11: 27 (1895)

Cortinarius favrei D.M. Hend., *Notes Roy. Bot. Gard. Edinburgh* 22: 593 (1958)

S: !

H: On soil, with *Salix* spp., in boreal or montane habitat. British material with *Salix herbacea* and rarely *S. repens*.

D: FN: 673 **D+I:** B&K5: 226 279 (as *C. favrei*), CFP3: C01 **I:** C&D 343 (as *C. favrei*), FM 10(2): 44 (2009)

Known from Orkney, Shetland and South Aberdeenshire (Cairn Gorm). Previously included as *C. favrei* (= *C. alpinus* sensu Favre) and excluded as *C. alpinus*, which was considered distinct and unknown in Britain. See FM 10(2): 46 (2009) for the reasons for now accepting this synonymy.

Cortinarius arvinaceus Fr.

Move to 'excluded' list.

Cortinarius catharinae Consiglio, *Rivista Micol.* 39(3): 199 (1997) [1996]

E: !

H: English collection from chalk woodland soil with *Fagus sylvatica*.

D: FN: 696 **D+I:** Cadiñanos (2004): 21-23 & 40

New record. A recent (2010) collection at K from Buckinghamshire (Mousells Wood).

Cortinarius collinitus (Sowerby) Gray

H: [Amended] Believed to be associated strictly with *Picea*.

D: [Additional] FN: 673 **D+I:** [Additional] CFP1: A34 (as *C. muscigenus*), B&K5: 230 283 (as *C. muscigenus*) **I:** [Additional] FM 10(2): 44 (2009)

Accepted sensu J. Lange (1938), FN and auct. mult., non sensu Sowerby (type with *Quercus* in SE London). For discussion see FM 10(2): 43 & 46 (2009).

Cortinarius diasemospermus var. leptospermus H.

Lindstr., in Brandrud, Lindström, Marklund, Melot & Muskos, *Cortinarius*, Flora Photographica [English translation by T.E. Brandrud] 4: 20 (1998)

E: !

H: English collection from soil with *Betula* sp.

D: FN: 768 **D+I:** CFP4: D27

New record. A recent (2010) collection at K from Middlesex (Gunnorsbury Triangle Nature Reserve). Part of the *Pelargonium*-smelling *C. paleaceus* complex.

Cortinarius elatior Fr., *Epicr. Syst. Mycol.*: 274 (1838)

Agaricus elatus Pers. [*nom. illegit.*, non *A. elatus* Batsch (1783)], *Syn. Meth. Fung.*: 332 (1801)

Mis.: *C. livido-ochraceus* sensu auct. mult.

E: o **S:** o **W:** o **NI:** ! **ROI:** ! **O:** Isle of Man: !

H: On acidic soil, usually associated with *Fagus* in beechwoods or mixed broadleaved woodland.

D: FN: 675 **D+I:** CFP1: A41 (as *C. livido-ochraceus*), B&K5: 228 281 (as *C. livido-ochraceus*), FM 10(2): 47-48 (2009) **I:** C&D 343

A rather uncommon species producing large fruitbodies with a dark wrinkled cap, gills usually strongly interveined and a fusiform stipe tinged with violet in the lower half. Previously included as *C. livido-ochraceus* (see below).

Cortinarius fagatorum M.M. Moser, *Kleine Kryptogamenflora*, Edn 3, 2b/2: 337 (1967)

E: !

H: English collection on soil/mossy stump with *Castanea sativa* in woodland.

Move from 'excluded' list. A single collection (2010) at K from West Kent (Mereworth Woods) and a single report from Wales (Bettws-y-Coed) in 1988, but the latter doubtfully identified and lacking voucher material.

Cortinarius favrei D.M. Hend.

Delete as a separate taxon and add to synonymy of *C. alpinus* (q.v.).

Cortinarius integerrimus Kühner, *Doc. Mycol.* 20(77): 92 (1989)

Cortinarius integerrimus Kühner, *Bull. Mens. Soc. Linn. Lyon* 28: 127 (1959) [*nom. inval.*]

Mis.: *C. stillatitius* sensu auct. mult. p.p.

E: ! **S:** !

H: On acidic soil in northern coniferous-*Betula* woodlands.

D: FN: 675 (as *C. stillatitius*) **D+I:** CFP1: A33 (as *C. stillatitius*), B&K5: 232 286 (as *C. stillatitius*) **I:** FM 10(2): 49 & 55 (2009)

Distribution unknown, mainly Scottish but also e.g. Sheffield.

Much confused with *C. mucifluoides* (= *C. pseudosalor* sensu auct.) which is very similar but with slightly smaller spores and different ecology.

Cortinarius livido-ochraceus (Berk.) Berk., *Outl. Brit.*

Fungol.: 186 (1860)

Agaricus livido-ochraceus Berk., *Engl. Fung.*: 89 (1836)

Cortinarius pumilus (Fr.) J.E. Lange, *Fl. Agaric. Danic.* 3: 23 (1938)

Cortinarius collinitus δ *pumilus* Fr., *Hymenomyc. Eur.*: 355 (1874)

E: ! **W:** !

H: On soil in broadleaved woodland.

I: FM 10(2): 49 (2009) (copy of painting presumed to be of type), Cooke 739 (767) Vol. 5 (1886) (reproduced FM 10(2): back cover), FIDan 3: 89D (as *C. pumilus*)

Excluding *C. livido-ochraceus* sensu FN p.p. and auct. mult. (= *C. elatior*), which produces similar but larger fruitbodies.

Described from Northamptonshire (King's Cliffe) and distribution poorly known (uncommon?). Most historical British records so named are likely to be of *C. elatior*. See FM 10(2): 49-50 (2009) for further discussion.

Cortinarius moenne-loccozii Bidaud, in Bidaud, Moëne-

Loccoz, Reumaux & Henry, *Atlas des Cortinaires*, Pars V (Annecy): 151 (1993)

E: !

H: English collection from chalk woodland soil with *Carpinus betulus*.

D: FN: 690 **D+I:** Cadiñanos (2004): 7-8 33 & 34

New record. A recent (2010) collection at K from West Kent (Hartley Wood).

Cortinarius mucifluoides Rob. Henry, *Doc. Mycol.* 16(61): 21 (1985)

Cortinarius elatior f. *mucifluoides* Rob. Henry, [*nom. nud.*], *Rev. Mycol. (Paris)* 10(1) Suppl.: 33 (1945)

Mis.: *Cortinarius pseudosalor* sensu auct. brit., Cooke, Rea and sensu FN p.p.

Mis.: *Cortinarius stillatitius* sensu NCL and auct. mult.

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

H: On acidic soil in mixed deciduous woodland, usually associated with *Fagus* or *Quercus* spp., occasionally with *Betula* spp. or *Castanea*. Rarely reported with *Pinus* spp.
D+I: Ph: 121 (as *C. pseudosalor*), Ph2: 169e (as *C. stillatitius*)
I: C&D: 343 (as *C. stillatitius*), FM 10(2): 50 (2009)
Rather common in southern broadleaved woodlands in Britain especially under beech.

Cortinarius mucosus (Bull.) J.J. Kickx, *Flore Crypt. des Flandres* 2: 191 (1867)

H: Delete "usually", it is a strict *Pinus* associate
D: [Additional] FN: 674 **I:** [Additional] FM 10(2): 45 (2009)
Amend author citation and publication reference for combination.

Cortinarius platypus (M.M. Moser) M.M. Moser, in Gams, *Kleine Kryptogamenflora*, Edn 3, 2b/2: 292 (1967)
Phlegmacium platypus M.M. Moser, *Die Gattung Phlegmacium*: 353 (1960)

E: !

H: English collection from chalk woodland soil with *Fagus sylvatica*.

D: FN: 698 **D+I:** Cadiñanos (2004): 25-26 & 42
New record. A recent (2010) collection at K from Buckinghamshire (Mousells Wood).

Cortinarius pumilus (Fr.) J.E. Lange

Delete as a separate taxon and add to synonymy of *C. livido-ochraceus* (see above).

Cortinarius septentrionalis Bendiksen, K. Bendiksen & Brandrud, *Sommerfeltia* 19: 27 (1993)

S: !

H: Scottish collection from soil with *Betula* sp.

D: FN: 674 **D+I:** CFP2: B04

New record. A recent (2010) collection at K from South Aberdeenshire (Inverey).

Cortinarius serratissimus M.M. Moser, *Nova Hedwigia* 14: 516 (1968) [1967]

E: !

H: English collection on soil under *Corylus avellana* in broadleaved woodland.

D: FN: 740 & 741 **I:** Moser & Jülich (1985-): III Cortinarius 38
New record. A recent (2009) collection at K from Dorset (Clifton Maybank).

Cortinarius sommerfeltii Høil., *Opera Bot.* 71: 97 (1984) [1983]

E: ! **S:** !

H: English and Scottish collections from *Picea* plantations.

D: FN: 669 & 670 **D+I:** CFP1: A44

A recent (2009) collection at K from Dorset (Ashmore) fruiting with old *Picea abies* and an earlier (1995) record from Peeblesshire (Glentress Forest).

Cortinarius stillatitius Fr.

Move to 'excluded' list. See *C. mucifluoides* and *C. integerrimus*.

Crepidotus crocophyllus (Berk.) Sacc., *Syll. fung.* 5: 886 (1887)

Agaricus crocophyllus Berk., *J. Bot.*, London 6: 313 (1847)

E: !

H: English collection on woody debris of *Quercus* sp. in mixed woodland.

D+I: Consiglio & Setti (2008): 309-316, **I:** Lud1: 16.3

New record. A recent (2010) collection at K from Surrey (Witley Common).

Cystoderma cinnabarinum (Alb. & Schwein.) Fayod

Name changed to *Cystodermella cinnabarina* (see below).

Cystoderma granulorum (Batsch) Fayod

Name changed to *Cystodermella granulosa* (see below).

Cystoderma jasonis (Cooke & Masee) Harmaja

Lepiota amianthina var. *longispora* Kühner [*nom. inval.*], *Bull. Soc. Mycol. France* 52: 204 (1936)

Cystoderma amianthinum var. *longisporum* Kühner, *Bull. Mens. Soc. Linn. Lyon* 38(6): 184 (1969)

Amend author citation, synonym status and publication references.

CYSTODERMELLA Harmaja, *Karstenia* 42: 43 (2002)

Type: *Cystodermella granulosa* (Batsch) Harmaja

A change of genus for two inamyloid-spored species of *Cystoderma* following a molecular study [Saar *et al.*, *Mycol. Progress* 8: 59-73 (2009)] which revealed *Cystoderma* and *Cystodermella* as two distinct monophyletic genera.

cinnabarina (Alb. & Schwein.) Harmaja, *Karstenia* 42: 45 (2002)

Cystoderma cinnabarinum (Alb. & Schwein.) Fayod

Lepiota cinnabarina (Alb. & Schwein.) P. Karst., *Bidrag Kännedom Finlands Natur Folk* 32: 14 (1879)

Amend author citation and publication reference for synonym.

granulosa (Batsch) Harmaja, *Karstenia* 42: 46 (2002)

Cystoderma granulorum (Batsch) Fayod

Lepiota granulosa (Batsch) Gray, *Nat. arr. Brit. pl.* 1: 602 (1821)

Amend author citation and publication reference for synonym.

Cystolepiota icterina F.H. Møller ex Knudsen, *Bot. Tidsskr.* 73(2): 130 (1978)

E: !

H: English collections from limestone woodland soil under *Corylus avellana*.

D: FN: 534 **D+I:** FungEur4: 111-113 pl. 6

New record. Two recent (2010) collections at K from a single site in North Somerset (Ebbor Gorge).

Dendrothele amygdalispora Hjortstam

Move to 'excluded' list.

Dendrothele citrisporella Boidin & Duhem, in Buyk & Duhem, *Cryptog. Mycol.* 31(2): 153 (2010)

E: ! **W:** !

H: On bark of living trees and shrubs. British material, mostly previously determined as *D. amygdalispora* (see above), *D. cf. amygdalispora* or *Dendrothele* sp., on *Acer* spp., *Buxus sempervirens*, *Cornus sanguinea*, *Crataegus* sp., *Rhododendron ponticum*, *Rubus fruticosus* agg., *Salix* spp., *Taxus baccata* and *Ulmus* spp.

D: Myc 7(3): 153 (1993) (as *Dendrothele* sp.)

Rarely reported but apparently widespread in England, collected from two Welsh sites (Carmarthenshire & Radnorshire) and probably common.

DESCOLEA Singer, *Lilloa* 23: 256 (1950)

Type: *Descolea antarctica* Singer

antarctica Singer, *Lilloa* 23: 257 (1950)

S: !

H: Scottish collection on soil under *Nothofagus pumilo* in a garden.

D: FN: 645

New record. A recent (2007) collection at E from Shetland (Lerwick). The tree was originally from a group collected in Tierra del Fuego in 1979 and planted in the Faeroe Islands before translocation to Shetland in 1993. The fungus has also been recorded fruiting under other trees from the same group planted in Norway in the Aboretum at Milde (Bergen).

ECHINODERMA (Locq. ex Bon) Bon, *Doc. Mycol.* 21 (82): 61 (1991)

Type: *Echinoderma asperum* (Pers.) Bon

Treated as a synonym of *Lepiota* in the printed Checklist, but now accepted as a separate genus. The following entries are all name changes for taxa previously listed in the genus *Lepiota*. This is a neuter genus. Names such as *E. aspera* and *E. perplexa* in FN are misspelt.

asperum (Pers.) Bon, *Doc. Mycol.* 21 (82): 62 (1991)

boertmannii (Knudsen) Bon, *Doc. Mycol.* 21 (82): 62 (1991)

calcicola (Knudsen) Bon, *Doc. Mycol.* 21 (82): 62 (1991)

carinii (Bres.) Bon, *Doc. Mycol.* 21 (82): 63 (1991)

H: English collections from mixed or coniferous woodland. Notes to be replaced with: There are recent English collections at K from North Hampshire, North Somerset and Shropshire and a 1999 unsubstantiated report from the Isle of Wight. The illustration in B&K4: 204 234 (as *Lepiota* aff. *pseudoasperula*) is probably of this species *vide* FAN5.

echinaceum (J.E. Lange) Bon [as '*echinacea*'], *Doc. Mycol.* 21 (82): 63 (1991)

hystrix (F.H. Møller & J.E. Lange) Bon, *Doc. Mycol.* 21 (82): 63 (1991)

jacobi (Vellinga & Knudsen) Gminder, *Die Großpilze Baden-Württembergs*, 4. Ständerpilze: Blätterpilze II (Stuttgart): 443 (2003)

perplexum (Knudsen) Bon, *Doc. Mycol.* 21 (82): 63 (1991)

pseudoasperulum (Knudsen) Bon [as '*pseudoasperula*'], *Doc. Mycol.* 21 (82): 63 (1991)

Entoloma rubellum (Scop.) Gillet, *Hyménomycètes*: 400 (1876)

Agaricus rubellus Scop., *Fl. carniol.*, Edn 2, 2: 445 (1772)

W: !

H: Welsh collection on soil amongst grass.

D+I: FungEur5A: 841-844 & 1170

New record. A recent (2010) collection at K from Pembrokeshire (Hundleton) conf. M. Noordeloos.

FIBRODONTIA Parmasto, *Conspectus Systematis Corticiacearum*: 174 (1968)

Type: *Fibrodontia gossypina* Parmasto

Treated as a synonym of *Hyphodontia* in the printed Checklist, but now accepted as a separate genus. The following entry is a name change for a species previously listed in the genus *Hyphodontia*.

gossypina Parmasto, *Conspectus Systematis Corticiacearum*: 207 (1968)

Amend entry as follows:

D: NM3: 211 (as *Hyphodontia gossypina*) **D+I:** CNE6: 1062-1065

Flammulina populicola Redhead & R.H. Petersen, *Mycotaxon* 71: 288 (1999)

E: !

H: English collection fruiting on soil at the base of a tree (?*Salix*).

D: FN: 255 **D+I:** FM 12(3): 39-41 (2011)

New record. A recent (2010) collection at K from Surrey (Esher Common).

FOMITIPORELLA Murrill, *North American Flora* 9(1): 12 (1907)

Type: *Fomitiporella umbellata* Murrill

cavicola (Kotl. & Pouzar) T. Wagner & M. Fisch., *Mycologia*. 94(6): 1012 (2002)

Name changed from *Phellinus cavicola*.

FOMITIPORIA Murrill, *North American Flora* 9(1): 7 (1907)

Type: *Fomitiporia langloisii* Murrill

hippophaeicola (H. Jahn) Fiasson & Niemelä, *Karstenia* 24: 25 (1984)

Name changed from *Phellinus hippophaeicola*.

D: Delete "(as *Fomitiporia hippophaeicola*)"

pseudopunctata (A. David, Dequatre & Fiasson) Fiasson in Fiasson & Niemelä, *Karstenia* 24: 25 (1984)
Name changed from *Phellinus pseudopunctatus*.

punctata (Fr.) Murrill, *Lloydia* 10: 254 (1947)
Name changed from *Phellinus punctatus*.

robusta (P. Karst.) Fiasson & Niemelä, *Karstenia* 24: 25 (1984)
Name changed from *Phellinus robustus*.

FUSCOPORIA Murrill, *North American Flora* 9(1): 3 (1907)

Type: *Fuscoporia ferruginosa* (Schrad.) Murrill

contigua (Pers.) G. Cunn., *Bull. New Zealand Dept. Sci. Industr. Res.* 73: 4 (1948)
Name changed from *Phellinus contiguus*.

ferrea (Pers.) G. Cunn., *Bull. New Zealand Dept. Sci. Industr. Res.* 73: 7 (1948)
Name changed from *Phellinus ferreus*.

ferruginosa (Schrad.) Murrill, *North American Flora* 9(1): 5 (1907)
Name changed from *Phellinus ferruginosus*.

torulosa (Pers.) T. Wagner & M. Fisch., *Mycol. Res.* 105: 780 (2001)

E: !

Name changed from *Phellinus torulosus*. Amend distribution.

wahlbergii (Fr.) T. Wagner & M. Fischer, *Mycol. Res.* 105: 780 (2001)

E: ! **ROI:** !

I: FM 9(4): 134 & back cover (2008)

Name changed from *Phellinus wahlbergii*. Amend distribution and add illustration. Replace notes with: Recent collections (2007- 2011) at K from Buckinghamshire (Langley Park) confirmed by L. Ryvarden, East Suffolk (Staverton Park) and South Hampshire (New Forest). One historical collection (1946) at K from South Kerry (Dinish Island) redetermined as this.

Galerina graminea (Velen.) Kühner, *Encyclop. Mycol.* 7. *Le Genre Galera*: 168 (1935)

Agaricus laevis Pers. [*nom. illegit.*, non *A. laevis* Schum. (1803)], *Mycol. eur.* 3: 164 (1828)

Galera graminea Velen., *České Houby* III: 548 (1921)

Galerina laevis Singer, *Persoonia* 2(1): 31 (1961)

Amended entry for taxon listed as *Galerina laevis* with *G. graminea* as synonym in printed Checklist. Persoon's widely used epithet was unavailable.

Gerronema prescotii (Weinm.) Redhead

Name changed to *Cantharellopsis prescotii* (q.v.).

Gerronema stevensonii (Berk. & Broome) Watling

Move to 'excluded' list.

GLOIOCEPHALA Masee, *Grevillea* 21(98): 33 (1892)

Type: *Gloiocephala epiphylla* Masee

caricis (P. Karst.) Bas, *Persoonia* 2(1): 82 (1961)
Name changed from *Marasmius caricis*.

cornelii (Laessøe & Noordel.) E. Horak, *Röhrlinge und Blätterpilze in Europa*, 6 *Kleine Kryptogamenflora* Band 2, Teil b2: 508 (2005)

Name changed from *Marasmius cornelii*.

pseudocaricis (Noordel.) Tkalčec & Mešič, *Mycologia* 100(2): 323 (2008)

Name changed from *Marasmius pseudocaricis*.

GYMNOPUS (Pers.) Roussel [non *Gymnopus* Quél. (1887)], *Flora Calvados*, Edn 2: 62 (1806)

Type: *Gymnopus fusipes* (Bull.) Gray

acervatus (Fr.) Murrill, *North American Flora, Ser. 1 (Fungi 3)*, 9: 362 (1916)

Name changed from *Collybia acervata*.

alpinus (Vilgalys & O.K. Mill.) Antonín & Noordel., *Mycotaxon* 63: 363 (1997)

Name changed from *Collybia alpina*.

androsaceus (L.) J.L. Mata & R.H. Petersen, in Mata, Hughes & Petersen, *Mycoscience* 45(3): 220 (2004)

Name changed from *Marasmius androsaceus*.

aquosus (Bull.) Antonín & Noordel., *Mycotaxon* 63: 363 (1997)

Name changed from *Collybia aquosa*.

brassicolens (Romagn.) Antonín & Noordel., in Antonín, Halling & Noordeloos, *Mycotaxon* 63: 363 (1997)

Name changed from *Micromphale brassicolens*.

brassicolens var. pallidus Antonín & Noordel., *Libri Botanici* 17: 77 (1997)

Name changed from *Micromphale brassicolens var. pallidus*.

confluens (Pers.) Antonín, Halling & Noordel., *Mycotaxon* 63: 364 (1997)

Name changed from *Collybia confluens*.

dryophilus (Bull.) Murrill, *North American Flora, Ser. 1 (Fungi 3)*, 9: 362 (1916)

Name changed from *Collybia dryophila*.

erythropus (Pers.) Antonín, Halling & Noordel., *Mycotaxon* 63: 364 (1997)

Name changed from *Collybia erythropus*.

fagiphilus (Velen.) Antonín, Halling & Noordel., *Mycotaxon* 63: 364 (1997)

Name changed from *Collybia fagiphila*.

foetidus (Sowerby) J.L. Mata & R.H. Petersen, in Mata, Hughes & Petersen, *Mycoscience* 45(3): 221 (2004)

Name changed from *Micromphale foetidum*.

fuscopurpureus (Pers.) Antonín, Halling & Noordel., *Mycotaxon* 63: 364 (1996)

Name changed from *Collybia fuscopurpurea*. Several English collections previously assigned to *C. obscura* J. Favre (a synonym in the printed Checklist) now redetermined as *G. obscuroides* (q.v.).

fusipes (Bull.) Gray, *Nat. arr. Brit. pl.* 1: 604 (1821)

Name changed from *Collybia fusipes*.

impudicus (Fr.) Antonín, Halling & Noordel., *Mycotaxon* 63: 364 (1997)

Name changed from *Micromphale impudicum*.

inodorus (Pat.) Antonín & Noordel., *Mycotaxon* 63: 364 (1997)

Name changed from *Collybia inodora*.

luxurians (Peck) Murrill, *N. Amer. Fl.* (New York) 9(5): 362 (1916)

Name changed from *Collybia luxurians*.

obscuroides Antonín & Legon, *Czech Mycol.* 60(1): 14 (2008)

E: ! W:!

H: English collections on grassland soil or amongst woodchips.

D+I: A&N4: 211-214

Holotype and nine paratype collections (1989-2005) at K (Surrey), all of which previously assigned to *Collybia obscura* J. Favre and synonymised with *C. fuscopurpurea* in the printed Checklist. Other collections at K (following recent redeterminations) from Berkshire, Denbighshire, Leicestershire, Middlesex, North Wiltshire, South Hampshire, South Somerset and Worcestershire.

ocior (Pers.) Antonín & Noordel., *Mycotaxon* 63: 365 (1997)

Name changed from *Collybia ocior*.

oreadoides (Pass.) Antonín & Noordel., *Mycotaxon* 63: 365 (1997)

Name changed from *Collybia oreadoides*.

perforans (Hoffm.) Antonín & Noordel., *Czech Mycol.* 60(1): 25 (2008)

Name changed from *Micromphale perforans*.

peronatus (Bolton) Gray, *Nat. arr. Brit. pl.* 1: 607 (1821)

Name changed from *Collybia peronata*.

putillus (Fr.) Antonín, Halling & Noordel., *Mycotaxon* 63: 365 (1997)

Name changed from *Collybia putilla*.

quercophilus (Pouzar) Antonín & Noordel., *Czech Mycol.* 60(1): 25 (2008)

Name changed from *Marasmius quercophilus*.

terginus (Fr.) Antonín & Noordel., *Mycotaxon* 63: 365 (1997)

Name changed from *Collybia tergina*.

GYRODONTIUM Pat., *Essai Tax. Hyménomyc.*

(Lons-le-Saunier): 117 (1900)

Type: *Gyrodontium henningsii* (Bres.) Pat.

sacchari (Spreng.) Hjortstam, *Mycotaxon* 54: 186 (1995)

E: !

H: English collection fruiting on brown-rotted large wooden stakes resembling railway sleepers which had been driven into the ground.

D+I: FungEur12: 310-311 & 834

New record. A recent collection (2010) of this distinctive brown resupinate toothed *Coniophora* relative at K from East Cornwall (Lanhydrock) det. L. Ryvarden.

GYROPHANOPSIS Jülich, *Persoonia* 10(3): 329 (1979)

Type: *Gyrophanopsis zealandica* (G. Cunn.) Jülich

polonensis (Bres.) Stalpers & P.K. Buchanan, *New Zealand J. Bot.* 29(3): 333 (1991)

Name changed from *Hypochnicium polonense*.

HEMIPHOLIOTA (Singer) Bon, *Doc. Mycol.* 17(65): 52 (1986)

Type: *Hemipholiota populnea* (Pers.) Bon

Treated as a synonym of *Pholiota* in the printed Checklist, but now accepted as a separate genus. The following entries are name changes for taxa previously listed in the genus *Pholiota*.

heteroclita (Fr.) Bon, *Doc. Mycol.* 17(65): 52 (1986)

Name changed from *Pholiota heteroclita*.

populnea (Pers.) Bon, *Doc. Mycol.* 17(65): 52 (1986)

Name changed from *Pholiota populnea*.

HEMISTROPHARIA Jacobsson & E. Larss., *Mycotaxon* 102: 238 (2007)

Type: *Hemistropharia albocrenulata* (Peck) Jacobsson & E. Larss.

Treated as a synonym of *Pholiota* in the printed Checklist, but now accepted as a separate genus.

albocrenulata (Peck) Jacobsson & E. Larss., *Mycotaxon* 102: 238 (2007)

Name changed from *Pholiota albocrenulata*.

HOHENBUEHELIA Schulzer

The following changes are based on the treatment of British species in Henrici [FM 10(4): 130-139 (2009)].

cyphelliformis (Berk.) O.K. Mill.

Agaricus silvanus Sacc., *Michelia* 1: 1 (1877)

Pleurotus silvanus (Sacc.) Sacc., *Syll. fung.* 5: 379 (1887)

Resupinatus silvanus (Sacc.) Singer, *Lilloa* 22: 253 (1951)
Hohenbuehelia silvana (Sacc.) O.K. Mill., in Borghi (ed.), *La Famiglia delle Tricholomataceae*: 131 (1986)

H. silvana is a true synonym not a misapplication hence the above names to be removed from the 'excluded' list and added to synonymy of *H. cyphelliformis*. This excludes *H. silvana* sensu BFF6 which comprises several elements. Further details in Thorn [*Mycotaxon* 25(1): 27-66 (1986)]. Delete Mis.: *Hohenbuehelia silvana* sensu Flora Agaricina Neerlandica 3: 163 (1995).

leightonii (Berk.) Watling
Move to list of alien taxa.

longipes (Boud.) M.M. Moser
Move to 'excluded' list.

pinacearum Thorn, *Mycotaxon* 25(1): 38 (1986)
Mis.: *Acanthocystis silvanus* sensu Konrad & Maublanc (1929)
Mis.: *Hohenbuehelia unguicularis* sensu BFF6 & CBIB2005
S: !

H: On bark and dead wood of conifers.
D: BFF6: 48 (as *H. unguicularis*), FN: 319 **D+I:** FAN3: 163-164
I: K&M4 pl. 309.2 (as *A. silvanus*)

Formerly not distinguished from the similar *H. unguicularis* on hardwoods. Known in Britain from two 19th century Scottish records: Angus (Glamis) on *Abies* and Perthshire on fallen *Pinus* twigs and a more recent Scottish collection (currently accessed as *H. cyphelliformis*) at E (2001) on fallen *Abies* from Peeblesshire (Dawyck Botanic Garden).

reniformis (G. Mey.) Singer
Move to 'excluded' list.

unguicularis (Fr.) O.K. Mill.
Mis.: *Acanthocystis leightonii* sensu Konrad & Maublanc (1929)

E: ! **W:** !
H: On bark and dead wood of hardwoods.
D: FN: 318 **I:** FIDan1: 66C (as *Pleurotus unguicularis*), Lud1: 32.10 [taken from K&M4 pl. 309.3 (as *Acanthocystis leightonii*)] **D+I:** FAN3: 162-163

Poorly known in Britain. Two recent collections at K assigned here from Caernarvonshire on *Quercus* and Durham on indet. hardwood.

Hydnellum cumulatum K.A. Harrison, *Canad. J. Bot.* 42: 1225 (1964)
S: !

H: Associated with *Pinus sylvestris* in Caledonian pinewood.
D+I: Maas Geesteranus (1975): 44-46 96 & pl. 20
Move from 'excluded' list. Three collections (2001, 2002 & 2007) at K from Easternness (Abernethy Forest) determined or redetermined as this based on comparative morphological and sequencing evidence in Ainsworth *et al.* [*Fung. Ecol.* 3: 65-80 (2010)]. Further recent collections (2007 & 2009) at K from Easternness (Abernethy Forest & Rothiemurchus Estate).

Hydnellum gracilipes (P. Karst.) P. Karst., *Meddeland. Soc. Fauna Fl. Fenn.* 5: 41 (1879)

S: !
H: Associated with *Pinus sylvestris* in Caledonian pinewood.
D+I: Maas Geesteranus (1975): 48-49 51 97 & pl. 22
A collection (2001) at K from Easternness (Abernethy Forest) identified based on comparative morphological and sequencing evidence in Ainsworth *et al.* [*Fung. Ecol.* 3: 65-80 (2010)].

Hygrocybe acutoconica (Clem.) Singer, *Lilloa* 22: 153 (1951) [1949]

Name changed from *H. persistens* which should be added to synonymy. Amend FNE1 and FungEur6 references in **D+I:** to: FNE1.2: 162-164 (as *H. acutoconica* var. *acutoconica*), FungEur6: 425-430 p.735 & 736. Add **D:** FN: 196.

Hygrocybe acutoconica var. **konradii** (R. Haller Aar.) Boertm., *Fungi of Northern Europe 2nd revised edition* 1: 164 (2010)

Name changed from *H. persistens* var. *konradii* which should be added to synonymy. Amend FNE1 reference in **D+I:** to: FNE1.2: 164-167. Add **D:** FN: 196.

Hygrocybe persistens (Britzelm.) Singer
Name changed to *H. acutoconica* (see above).

Hygrocybe persistens var. **konradii** (R. Haller Aar.) Boertm.
Name changed to *H. acutoconica* var. *konradii* (see above).

Hyphoderma mutatum (Peck) Donk
E: !

H: English collections from decaying wood of *Fraxinus* and *Ilex*.
D+I: CNE3: 489-491, FungEur12: 349-350 & 843
Move from 'excluded' list. Two recent collections (2008) at K from South Hampshire (New Forest, Royden and Eyeworth Woods).

Hyphoderma obtusifforme J. Erikss. & Å. Strid
S: !

H: Scottish collection from fallen branch of *Pinus sylvestris*.
D: CNE3: 492-495, FungEur12: 352
Move from 'excluded' list. A recent collection (2010) at K from South Aberdeenshire (Inverey).

HYPHODONTIA J. Erikss. [*nom. cons.*]

Remove the genus *Fibrodontia* (q.v.) from synonymy. For species name change see under *Fibrodontia*.

abieticola (Bourdot & Galzin) J. Erikss.
S: !

H: Scottish collection from fallen branch of *Pinus sylvestris*.
D: CNE4: 590-593, FungEur12: 389-390 (as *Kneiffiella abieticola*)

Move from 'excluded' list. A recent collection (2010) at K from East Perthshire (Stormont Loch). Delete "Not authentically British" from notes.

HYPOCHNICIUM J. Erikss.

Add *Nodotia* Hjortstam, *Mycotaxon* 28: 33 (1987) to synonymy following a morphological and molecular re-evaluation by Telleria *et al.* [*Mycologia* 102: 1426-1436 (2010)].

lyndoniae (D.A. Reid) Hjortstam, *Mycotaxon* 54: 187 (1995)
Odontia lyndoniae D.A. Reid, *Kew Bull.* 10: 641 (1956) [1955]

Nodotia lyndoniae (D.A. Reid) Hjortstam & Ryvar den, *Syn. Fungorum* 18: 18 (2004)

H: Add *Acer*, *Pinus* and *Salix* to list of substrata.
D+I: Add Myc 20(3): 97-98 (2006) **I:** Add FM 9(2): 70 (2008)
Replace last sentence in Notes with: Recent material at K from East Cornwall, South Somerset and West Sussex and also reported from South Hampshire.

polonense (Bres.) Å. Strid

Name changed to *Gyrophanopsis polonensis* (q.v.).

Inocybe aurea Huijsman, *Fungus, Wageningen* 25: 22 (1955)
S: !

H: Scottish collections on soil, with *Salix herbacea*.
D: FN: 877 **D+I:** Stangl 250-252 & 28.3

A recent (2010) collection at K from Banffshire (Cairn Gorm) and two collections (1981 & 1987) at E from Mid-Perthshire (Beinn Ghlas).

Inocybe bongardii var. **pisciodora** (Donadini & Rioussset) Kuyper, *Inocybe, Persoonia*, Suppl. 3: 41 (1986)

Inocybe pisciodora Donadini & Rioussset, *Doc. mycol.* 5(20): 5 (1975)

E: !

H: English collection on calcareous soil, with *Fagus sylvatica*.
D: FN: 872 **D+I:** B&K5: 46 7, Stangl 52 54-55 & 3.2

Move from 'excluded' list. A single (2005) collection at K from Buckinghamshire (Mousells Wood) and an unsubstantiated record from North Somerset in 1997.

Inocybe brunneotomentosa Huijsman, *Persoonia* 9(4): 473 (1978)

E: !

H: English collection on soil, with *Populus*, *Betula* and *Carpinus*.

D: Kuyp: 127-128, FN: 901 D+I: Stangl 98 & 100-101 12.5

New record. A recent English collection (2010) at K from Middlesex (Fulham Cemetery).

Inocybe cincinnata (Fr.) Quéf.

Move *I. obscuroides* from synonymy of *I. cincinnata* to that of *I. cincinnata* var. *major*.

Inocybe cincinnata var. **major** (S. Petersen) Kuyper
Add *I. obscuroides* to synonymy (see above).

Inocybe cookei var. **kuthanii** (Stangl & J. Veselsky) Kuyper, *Persoonia*, Suppl. 3: 51 (1986)

Inocybe kuthanii Stangl & J. Veselský, *Česká Mykol.* 33(3): 134 (1979)

E: !

H: On soil in broadleaved woodland.

D+I: Stangl 64-66 7.1

New record. Two recent collections (2005-10) at K from Mid-west (Strid Wood) & North-west (Brigflatts) (as *I. kuthanii*) Yorkshire. Recent records from the Isle of Wight & Shropshire. Currently recognised as a variety following Stangl's acceptance of Kuyper's treatment, but could well be a good species.

Inocybe fraudans (Britzelm.) Sacc.

Remove *I. incarnata* (q.v.) and *I. pyriodora* subsp. *incarnata* from synonymy and include former as separate species.

Inocybe incarnata Bres., *Fungi trident.* 1: 49 (1884)

Inocybe pyriodora subsp. *incarnata* (Bres.) Konrad & Maubl., *Icon. select. fung.* 1: pl. 94 (1927)

E: !

H: British collections on soil in broadleaved woodland.

D+I: FN: 896, Ph: 151 [as *I. pyriodora* (=Ph2: 220 as *I. fraudans*)] I: FIDan3: 110C (as *I. incarnata*) Bon: 237 (as *I. fraudans* var. *incarnata*)

Several historic (1950-1980) collections at K from Hertfordshire, Kent, Mid-west Yorkshire, Surrey (as *I. pyriodora* var. *incarnata*) & Oxfordshire (as *I. pyriodora* f. *incarnata*). Recent records from Buckinghamshire, Shropshire & West Kent. Move from synonymy of *I. fraudans* and include as a separate species.

Inocybe inodora

I. albidodisca Kühner, *Bull. Soc. Naturalistes Oyonnax* 9 (Suppl.): 3 (1955)

Move *I. albidodisca* from 'excluded' list to synonymy of *I. inodora*.

Inocybe lacera var. **regularis** Kuyper, *Persoonia*, Suppl. 3: 105 (1986)

E: !

H: English collections on sandy soil, with *Betula* and *Salix*.

D: FN: 877

New record. Recent English collections (2009 & 2010) at K from Buckinghamshire (Stoke Common).

Inocybe lanuginosa (Bull.) P. Kumm.

Move to 'excluded' list. Sensu CBIB2005 this is *I. stellatospora* (q.v.), whereas sensu NCL and FN it is *I. ovatocystis* (q.v.).

Inocybe lanuginosa var. **ovatocystis** (Boursier & Kühner) Stangl

Move to synonymy of *I. ovatocystis* (q.v.).

Inocybe mycenoides Kuyper, *Persoonia*, Suppl. 3: 210 (1986)

E: ! W: !

H: English collection on calcareous soil with *Helianthemum*.

New record. A recent English collection (2008) at K from Oxfordshire (Watlington Hill) and an unsubstantiated record from Caernarvonshire (Llandudno).

Inocybe mytiliodora Stangl & Vauras, *Karstenia* 27(1): 16 (1988) [1987]

S: !

H: Scottish collection on calcareous soil with *Betula*.

D: FN: 895 D+I: FM 12(3): 77-80 (2011)

New record. A recent (2010) collection at K from Mid Perthshire (Lochan an Daim).

Inocybe obsoleta Romagn., *Bull. Soc. Mycol. France* 74: 145 (1958)

Inocybe rimosa var. *obsoleta* (Romagn.) Quadr. & Lunghini, *Quaderni di Accademia Nazionale dei Lincei* 264: 109 (1990)

E: ! S: !

H: British collections on soil in woodland.

D: FN: 876 D+I: B&K5: 74 51 (as *Inocybe rimosa* var. *obsoleta*)

A single historic (1985) English collection from West Lancashire (Gait Barrows) at K and one (1983) from Yorkshire (Bramham Park) at E. A recent (2007) Scottish collection from Selkirkshire (Bowhill) at E. Recent (2003-2007) unsubstantiated records from Co. Armagh, East Norfolk, East Perthshire & West Norfolk. Move from synonymy of *I. rimosa* and include as a separate species.

Inocybe olida Maire, *Fungi Catalaunici: Contributions à l'étude de la Flore Mycologique de la Catalogne*: 100 (1933)

E: !

H: English collection on soil.

New record. A recent English collection (2010) at K from Surrey (Kew Gardens).

Inocybe ovatocystis Boursier & Kühner, *Bull. Soc. Mycol. France* 44: 181 (1928)

Mis.: *Inocybe lanuginosa* sensu NCL & FN

Mis.: *Astrosporina sabuletorum* sensu Rea (1922)

E: ! S: !

H: English and Scottish collections on woodland or heathland soil.

D+I: B&K5: 94 80 (as *I. lanuginosa* var. *ovatocystis*)

Collections (1946-2008) at K from Caithness, North-east Yorkshire, North Ebudes, South Somerset, Surrey, Wester Ross and West Sussex. A collection (2000) at E from Peeblesshire (Dawyck Botanic Garden).

Move from synonymy of *I. lanuginosa* var. *ovatocystis* and include as a separate species.

Inocybe phaeodisca var. **diosma** Reumaux, *Doc. Mycol.* 14(54-55): 28 (1984)

E: !

H: English collection on soil with *Carpinus betulus*.

New record. A recent (2008) collection at K from Essex (Epping Forest).

Inocybe phaeoleuca Kühner, *Bull. Soc. Naturalistes Oyonnax* 9 (Suppl.): 5 (1955)

Mis.: *Inocybe brunnea* sensu NCL p.p.

D: FN: 895 (as *I. splendens* var. *phaeoleuca*), Kuyp: 217-218 (as *I. splendens* var. *phaeoleuca*) D+I: B&K5: 78 56 (as *I. splendens* var. *phaeoleuca*) I: Delete both instances of "(as *Inocybe phaeoleuca*)".

Move from synonymy of *I. splendens* var. *phaeoleuca* and include as a separate species.

Inocybe pseudoasterospora Kühner & Boursier

Move to 'excluded' list. The type var. is not British and was included in CBIB2005 in error. The associated entry should be headed by *I. pseudoasterospora* var. *microsperma* (see below).

Inocybe pseudoasterospora var. **microsperma** Kuyper & Keizer, *Persoonia* 14(4): 441 (1992)

Move to head of *I. pseudoasterospora* entry (see above).

Inocybe pseudohiulca Kühner & Boursier

Move to 'excluded' list.

Inocybe relicina (Fr.) Quéél.

S: !

H: Scottish collection on woodland soil with *Pinus sylvestris*.

D: FN: 877

Move from 'excluded' list. Replace notes with: "A single collection (2008) at K from South Aberdeenshire (Inverey). Sensu Rea (1922), however, is probably *I. cervicolor*."

Inocybe rimosa (Bull.) P. Kumm.

Remove *I. obsoleta* (q.v.) & *I. rimosa* var. *obsoleta* from synonymy and include the former as a separate species.

Remove *I. umbrinella* (q.v.) from synonymy and include as a separate species.

Inocybe splendens var. **phaeoleuca** (Kühner) Kuyper

Move to synonymy of *I. phaeoleuca* (q.v.).

Inocybe stellatospora (Peck) Masee, *Ann. Bot.* 18: 469 (1904)

Inocybe longicystis G.F. Atk., *Amer. J. Bot.* 5: 213 (1918)

Inocybe lanuginosa var. *longicystis* (G.F. Atk.) Stangl & Enderle, *Z. Mykol.* 49(1): 120 (1983)

Add **D:** FN: 878

Earlier name for *I. lanuginosa* sensu CBIB2005 whose entry details in the printed Checklist should now follow the above synonymy. Move *I. lanuginosa* and its remaining synonyms to 'excluded' list (q.v.).

Inocybe 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 recent (2008) English collections 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.

INONOTUS P. Karst.

Molecular phylogenetic studies have indicated that the traditional distinction between *Inonotus* sensu lato and *Phellinus* sensu lato should be replaced by a series of smaller more homogeneous genera. *Inonotus* species with entries in the printed Checklist now moved into *Mensularia* (q.v.), *Onnia* (q.v.) (one excluded species) and *Pseudoinonotus* (q.v.) or retained in *Inonotus* sensu stricto.

Lactarius flavopalustris Kytöv., *Karstenia* 49(1): 20 (2009)

E: !

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

D: FN: 86 **D+I:** FNE2: 94 (as *L. flavidus* sensu Korhonen p.p.)

New record. Two recent collections (2010) at K from Mid-west Yorkshire (Bastow Wood) and an earlier (1987) collection at K (as *L. aspideus*) from the same site.

Lactarius picinus Fr.

E: !

H: English collection on calcareous soil with *Helianthemum nummularium* and scattered *Quercus*, *Betula* and *Fraxinus*. Habitat normally considered to be with montane *Picea abies*.

D: FN: 90 **D+I:** FNE2: 242-243, FungEur7: 664-669 **I:** FM10 (4):129 (2009)

Move from 'excluded' list. A recent collection (2008) confirmed by J. Nuytinck from Mid-west Yorkshire (Bastow Wood). Delete "Not authentically British" from notes.

Lactarius pilatii Z. Schaeff., *Česká Mykol.* 22: 18 (1968)

E: !

H: English collection on soil in conifer and *Betula* woodland.

D: FN: 98 **D+I:** FNE2: 62-63, FungEur7: 111-117

New record. A recent collection (2010) at K from North-east Yorkshire (Kings Moor Wood).

Laetiporus sulphureus (Bull.) Murrill

Note change to author citation and delete synonyms *Calvatia versispora* and *Sporotrichum versisporum* which are now recognised as anamorphic *L. versisporus* (not British) following morphological and phylogenetic analysis and incompatibility testing [see Ota *et al.* *Myc. Res.* 113: 1283-1300 (2009)]. European *L. sulphureus* is a species complex requiring further taxonomic resolution.

LECCINUM Gray

The following changes are based on the combined molecular and morphological studies in den Bakker & Noordeloos [*Persoonia* 18(4): 511-587 (2005)] and the treatment in Kibby [FM 7(4): 113-122 (2006)].

aerugineum (Fr.) Lannoy & Estadès, *Doc. Mycol.* 21(81): 23 (1991)

Boletus chioneus var. *aerugineus* Fr., *Observ. mycol.* (Leipzig) 2: 250 (1818)

Both of these names were included in the index to the printed Checklist but the corresponding entry was omitted in error. Move to 'excluded' list.

albostipitatum den Bakker & Noordel., *Persoonia* 18(4): 536 (2005)

Mis.: *Leccinum aurantiacum* sensu auct. brit.

E: ! **S:** !

H: On soil with *Populus*.

D: FN: 170 **D+I:** FM 7(4): 119 & back cover (2006)

Current name for the poplar-associated, relatively persistently pale-stiped species previously assigned to *L. aurantiacum* (see below) in Britain. Probably rare and predominantly northern in Britain but historic collections assigned to *L. aurantiacum* require re-investigation to distinguish which represent *L. albostipitatum* and which should remain as named.

atrostipitatum A.H. Sm., Thiers & Watling

Move to synonymy of *L. versipelle*. Den Bakker & Noordeloos [*Persoonia* 18(4): 511-587 (2005)] acknowledged some consistent sequence differences between European and North American collections but interpreted these as of infraspecific significance pending studies of further authentic American samples.

aurantiacum (Bull.) Gray, *Nat. arr. Brit. pl.* 1: 646 (1821)

Boletus aurantiacus Bull., *Herb. France*: pl. 236 4891I (1781)

Boletus scaber var. *aurantiacus* (Bull.) Opat., *Comm. fam. bolet.*: 34 (1836)

Krombholziella aurantiaca (Bull.) Maire, *Publ. Inst. Bot. Barcelona* 3(4): 46 (1937)

Leccinum aurantiacum var. *quercinum* Pilát, *Mushrooms and other Fungi*: t. 6 (1961)

Boletus rufus Schaeff. [non *B. rufus* Schrad. (1792)], *Fung. Bavar. Palat. nasc.* 2: 103 (1763)

Leccinum quercinum (Pilát) E.E. Green & Watling *Notes Roy. Bot. Gard. Edinburgh* 25: 265 (1969)

Krombholziella quercina (Pilát) Šutara, *Česká Mykol.* 36(2): 82 (1982)

Leccinum salicola Watling, *Notes Roy. Bot. Gard. Edinburgh* 31: 139 (1971)

Krombholziella salicola (Watling) Šutara, *Česká Mykol.* 36(2): 82 (1982)

Leccinum populinum M. Korhonen, *Karstenia* 35(2): 55 (1995)

E: o **S:** o **W:** o **NI:** o

H: On soil in mixed deciduous woodland, heathland or dunes and associated with *Betula*, *Fagus*, *Populus* (including *P. tremula*), *Quercus*, *Salix* and *Tilia*.

D: FN: 170-171 **D+I:** Ph: 209-211 (as *L. aurantiacum* & *L. quercinum*), B&K3: 72 36 (as *Leccinum rufum*) or 72 35 (as *L. quercinum*), FM 7(4): 119 & back cover (2006) **I:** Bon: 41 (as *Krombholziella aurantiaca*), FM 1(1): front cover (as *L. quercinum*)

Occasional but widespread. May be locally common and abundant, especially in southern regions. Current name for orange/brown-capped collections with initially brown stipe squamules and found with a broad range of broadleaved tree

partners. The synonymy now includes the oak-associated species previously known in Britain as *L. quercinum* (note amended authors and reference for this in the synonymy above) and the *Salix repens* associate *L. salicola*. However, the name can no longer be used for the pale-stiped taxon associated with poplars which is now known as *L. albstipitatum* (q.v.).

holopus (Rostk.) Watling

Mis.: *Leccinum aeruginum* sensu auct. brit.

Add *L. olivaceosum* to synonymy (currently a synonym of *L. scabrum*) although requiring molecular confirmation *vide* den Bakker & Noordeloos [*Persoonia* 18(4): 511-587 (2005)].

melaneum (Smotl.) Pilát & Dermek, *Hribovité Huby*: 145 (1974)

Boletus scaber var. *melaneus* Smotl., *Mykol. Sborn.* 28: 69 (1951)

Leccinum scabrum var. *melaneum* (Smotl.) Dermek, *Fungorum Rar. Icon. Color.* 16: 17 (1987)

Krombholziella melanea (Smotl.) Šutara, *Česká Mykol.* 36(2): 81 (1982)

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

H: On soil in deciduous woodlands but strictly associated with *Betula* spp.

D: FN: 172, FM 7(4): 120 **D+I:** FRIC16: 17 127a (as *L. scabrum* var. *melaneum*), L&E: 66 5 (as *L. scabrum* var. *melaneum*) **I:** FM 1(1): back cover

Although not easily distinguished on morphological data alone, this very dark-capped taxon is nevertheless molecularly distinct. It is likely to be uncommon in Britain although its true distribution requires clarification. Remove from synonymy of *L. scabrum*.

palustre M. Korhonen

Move to synonymy of *L. schistophilum* (q.v.).

pulchrum Lannoy & Estadès

Remove from synonymy of *L. roseofractum* and move to 'excluded' list.

quercinum (Pilát) E.E. Green & Watling, *Notes Roy. Bot. Gard. Edinburgh* 25: 265 (1969)

Leccinum aurantiacum var. *quercinum* Pilát, *Mushrooms and other Fungi*: t. 6 (1961)

Krombholziella quercina (Pilát) Šutara, *Česká Mykol.* 36(2): 82 (1982)

Amend combining authors and reference and move all to synonymy of *L. aurantiacum* (q.v.).

rigidipes P.D. Orton

Move to synonymy of *L. scabrum*.

roseofractum Watling

Move to synonymy of *L. scabrum*.

roseotinctum Watling

Krombholziella roseotincta (Watling) Šutara, *Česká Mykol.* 36(2): 82 (1982)

Move to synonymy of *L. versipelle*.

salicola Watling

Krombholziella salicola (Watling) Šutara, *Česká Mykol.* 36(2): 82 (1982)

Move to synonymy of *L. aurantiacum*.

scabrum (Bull.) Gray, *Nat. arr. Brit. pl.* 1: 646 (1821)

Boletus scaber Bull., *Herb. France* pl. 132 (1783)

Krombholziella scabra (Bull.) Maire, *Publ. Inst. Bot. Barcelona* 3(4): 46 (1937)

Leccinum roseofractum Watling, *Notes Roy. Bot. Gard. Edinburgh* 28(3): 313 (1968)

Krombholziella roseofracta (Watling) Šutara, *Česká Mykol.* 36(2): 82 (1982)

Boletus avellaneus J. Blum, *Bull. Soc. Mycol. France* 85(4): 560 (1970) [1969]

Leccinum avellaneum (J. Blum) Bon, *Doc. Mycol.* 9 (35): 41 (1979)

Leccinum subcinnamomeum Pilát & Dermek [*nom. inval.*], *Hribovité Huby*: 144 (1974)

Leccinum rigidipes P.D. Orton, *Trans. Brit. Mycol. Soc.* 91(4): 560 (1988)

Mis.: *Leccinum molle* sensu auct. brit.

Mis.: *Leccinum oxydabile* sensu auct. brit.

Mis.: *Leccinum pulchrum* sensu auct. brit.

Mis.: *Leccinum umbrinum* sensu auct. brit.

Mis.: *Leccinum umbrinoides* sensu auct. brit.

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

H: On soil in deciduous woodland but strictly associated with *Betula* spp. and generally in relatively drier habitats.

D: FN: 172 **D+I:** Ph: 211-213 (as *L. roseofractum*, *L. oxydabile* & *L. scabrum*), B&K3: 74 37, L&E: 62 4, L&E: 72 8 (as *L. avellaneum*), **I:** Bon: 41 (as *K. scabra*)

Very common and widespread. Remove from synonymy: *L. melaneum* to separate entry (q.v.), *L. molle*, *L. murinaceum* to 'excluded' list (q.v.), *L. olivaceosum* to synonymy of *L. holopus*, Add to synonymy: *L. rigidipes* and *L. roseofractum* from separate entries.

schistophilum Bon, in Bon & Van Haluwyn, *Doc. Mycol.*

11(44): 35 (1981)

Leccinum palustre M. Korhonen, *Karstenia* 35(2): 63 (1995)

E: ! S: !

H: On soil with *Betula*, usually in wetter habitats than *L. scabrum*.

D: FN: 173 **D+I:** *Karstenia* 35(2): 62-65 (1995) (as *L. palustre*), FM 7(4): 121 & 122 (2006)

Likely to be confused with *L. holopus* and *L. varicolor* which are also associated with *Betula* in similarly wet habitats. Distribution currently uncertain. Move *L. palustre* from separate entry to the above synonymy.

versipelle (Fr. & Hök) Snell, *Lloydia* 7(1): 58 (1944)

Boletus versipellis Fr. & Hök, *Boleti fung. gen.*: 13 (1835)

Boletus testaceosaber Secr. [*nom. inval.*], *Mycogr. Suisse* 3: 8 (1833)

Leccinum testaceosabrum Singer, *Amer. Midl. Naturalist* 37: 123 (1947)

Boletus rufescens Konrad, *Bull. Soc. Linn. de Lyon* 1: 151 (1932)

Krombholziella rufescens (Konrad) Šutara, *Česká Mykol.* 36(2): 82 (1982)

Leccinum rufescens (Konrad) Šutara, *Česká Mykol.* 43(1): 7 (1989)

Boletus percandidus Vassilkov, *Sovetsk. Bot.* 2: 27 (1944)

Leccinum percandidum (Vassilkov) Watling, *Trans. Brit. Mycol. Soc.* 43: 691 (1960)

Boletus versipellis var. *percandidus* (Vassilkov) Vassilkov, *Edible and poisonous fungi cent. Eur. dist. U.S.S.R.*: 37 (1948)

Krombholzia aurantiaca f. *percandida* (Vassilkov) Vassilkov, *Bot. Mater. Otd. Sporov. Rast. Bot. Inst. Akad. Nauk S.S.S.R.* 11: 139 (1956)

Leccinum atrostipitatum A.H. Sm., Thiers & Watling,

Michigan Botanist 5: 155 (1966)

Leccinum roseotinctum Watling, *Notes Roy. Bot. Gard. Edinburgh* 29(2): 267 (1969)

Krombholziella roseotincta (Watling) Šutara, *Česká Mykol.* 36(2): 82 (1982)

Leccinum cerinum M. Korhonen, *Karstenia* 35(2): 61 (1995)

E: o S: o W: ! ROI: !

H: On acidic soil on heathland and in deciduous woodland and scrub, always associated with *Betula* spp.

D: FN: 171 **D+I:** Ph: 208 & 211, B&K3: 74 38 **I:** Bon: 41 (as *K. versipellis*), Kriegl2: 279

Occasional but widespread. Most frequent (and may be locally common) in northern Britain. Add to synonymy: *L.*

atrostipitatum and *L. roseotinctum* (from separate entries), and *L. cerinum* and *L. percandidum* (from 'excluded' list).

Delete Mis: *L. cerinum*.

LEPIOTA (Pers.) Gray

Remove the genus *Echinoderma* (q.v.) from synonymy. For species' name changes see under *Echinoderma*.

Leucopaxillus tricolor (Peck) Kühner, *Le Botaniste* 17: 135 (1926)
Tricholoma tricolor Peck, *Rep. (Annual) New York State Mus. Nat. Hist.* 41: 60 (1888)
Leucopaxillus pseudoacerbus (Constantin & L.M. Dufour) Boursier, *Bull. Soc. Mycol. France* 41: 392 (1925)
Tricholoma pseudoacerbus Constantin & L.M. Dufour, *Nouv. fl. champ.*: 259 (1891)
Mis.: *Leucopaxillus compactus* sensu auct. mult.

E: !

H: Usually on calcareous soil in broadleaved woodland, the British collection was under *Fagus* on chalk.

D: FN: 410 (as *L. compactus*), D+I: B&K3: 216-252 (as *L. compactus*), Ph2: 96a, FM 10(3): 86-89 (2009) I: C&D: 207
New record. A recent collection (2008) at K from Cambridgeshire (Gog Magog Hills). A species with very large fruitbodies resembling *Tricholoma acerbum* but with amyloid spores and gills drying purple-brown.

Lyophyllum favrei (R. Haller Aar. & R. Haller Suhr) R. Haller Aar. & R. Haller Suhr
Name changed to *Calocybe favrei* (q.v.).

Marasmiellus carneopallidus (Pouzar) Singer, *Beih. Nova Hedwigia* 44: 307 (1973)
Micromphale carneopallidum Pouzar, *Česká Mykol.* 20(1): 23 (1966)

E: !

H: English collection on south-facing calcareous downland soil on dead stem bases of *Helianthemum nummularium*.

D+I: A&N4: 334-336 I: C&D: 217, Lud1: 46.8
New record. A recent collection (2010) at K from the Isle of Wight (St. Boniface Down).

MARASMIUS Fr.

The treatment in A&N4 based on combined molecular and morphological studies necessitates the recognition of several smaller and more homogeneous genera. Relevant name changes are listed under *Gloiocephala*, *Gymnopus*, *Mycetinis* and *Rhizomarasmius*.

tenuiparietalis Singer

Delete as a separate entry and move to synonymy of *M. epiphyllus*.

MENSULARIA Lázaro Ibiza, *Revista Real Acad. Ci. Madrid* 14: 736 (1916)

Type: *Mensularia radiata* (Sowerby) Lázaro Ibiza

nodulosa (Fr.) T. Wagner & M. Fischer, *Mycol. Res.* 105: 781 (2001)

Name changed from *Inonotus nodulosus*.

radiata (Sowerby) Lázaro Ibiza, *Revista Real Acad. Ci. Madrid* 14: 736 (1916)

Name changed from *Inonotus radiatus*.

MEOTTOMYCES Vizzini, *Rivista Micol.* 51(1): 63 (2008)

Type: *Meottomyces dissimulans* (Berk. & Broome) Vizzini

dissimulans (Berk. & Broome) Vizzini, *Rivista Micol.* 51(1): 63 (2008)

Name changed from *Phaeogalera dissimulans* (*Hemipholiota oedipus*).

MICROMPHALE Gray

The treatment in A&N4 based on combined molecular and morphological studies necessitates the removal of all taxa in the printed Checklist to *Gymnopus*.

Multiclavula mucida (Pers.) R.H. Petersen

S: !

H: Scottish collection on old log on loch shore.

D+I: B&K2: 342-440 (as *Lentaria mucida*)

Move from 'excluded' list. A recent collection (2008) in E from Westernness (Loch Arienas). Delete "Not authentically British" from notes.

Mycena cecidiophila A.P. Berg, Berg-Blok, Noordel. & Uljé, *Persoonia* 17(3): 481 (2000)

E: !

H: English collections on knopper galls on fallen cupules (acorn cups) of *Quercus robur*.

D: FN: 354 I: *Cecidology* 25(1): 19 (2010)

New record. A few recent collections (2002–2009) from the Isle of Wight, North & South Hampshire & Surrey reported in Rogerson [*Cecidology* 25(1): 11-12 (2010)].

Mycena inclinata (Fr.)

Add to notes: White-capped forms [see FM 11(1):34 (2010) and FM 11(2):70 (2010)] have been referred to *M. inclinata* f. *albopileae* Derbsch & J. Aug. Schmitt ex Robich & Consiglio but this name is invalid.

MYCETINIS Earle, *Bull. New York Bot. Gard.* 5: 414 (1909)

Type: *Mycetinis alliaceus* (Jacq.) Earle ex A.W. Wilson & Desjardin

The following name changes from *Marasmius* are required:

alliaceus (Jacq.) Earle ex A.W. Wilson & Desjardin, *Mycologia* 97(3): 677 (2005)

scorodonius (Fr.) A.W. Wilson & Desjardin, *Mycologia* 97(3): 678 (2005)

NODOTIA Hjortstam

Delete as separate taxon and add to synonymy of *Hypochnicium* (q.v.).

lydoniae (D.A. Reid) Hjortstam & Ryvarde

Delete as separate taxon and add to synonymy of *Hypochnicium lydoniae* (q.v.).

Panellus serotinus (Pers.) Kühner

Name changed to *Sarcomyxa serotina* (q.v.).

Peniophora rufa (Fr.) Boidin.

Move to 'excluded' list.

Phaeogalera dissimulans (Berk. & Broome) Holec

Name changed to *Meottomyces dissimulans* (q.v.).

PHELLINUS Quél.

Molecular phylogenetic studies have indicated that the traditional distinction between *Phellinus* sensu lato and *Inonotus* sensu lato should be replaced by a series of smaller more homogeneous genera. *Phellinus* species with entries in the printed Checklist now moved into *Fomitiporella* (q.v.), *Fomitiporia* (q.v.), *Fuscoporia* (q.v.) and *Porodaedalea* (q.v.) or retained in *Phellinus* sensu stricto.

Phellinus nigricans (Fr.) P. Karst.

Move to 'excluded' list.

Phellinus populicola Niemelä, *Ann. Bot. Fenn.* 12 (3): 94 (1975)

E: !

H: English collections on *Populus × canescens* and *P. tremula*.

D: EurPoly2: 508-509 D+I: FM12(2): 66-69, FungEur10: 424-426 & 726

New record. Recent collections (2007–2010) at K from Buckinghamshire & Surrey and an old collection at K of *Fomes igniarius* on *Populus* (Northamptonshire, undated but with herb. stamp "1867") recently redetermined as this.

Phellodon atratus K.A. Harrison

Move to 'excluded' list.

PHLEBIELLA P. Karst.

Molecular phylogenetic studies have indicated that component species with smooth amyloid spores should be moved into *Amyloenasma* (q.v.). Of the remainder in the printed Checklist, those with smooth inamyloid spores have been moved into *Aphanobasidium* (q.v.) except for *P. paludicola* whose transfer to *Aphanobasidium* awaits a suitable combination.

PHOLIOTA (Fr.) P. Kumm.

Relevant name changes are listed under *Hemipholiota* and *Hemistropharia* following FN, except *Flammula* (Fr.) P. Kumm. (1871), used in FN but a *nom. illegit.*, non *Flammula* (DC.) Fourn. 1868 (Ranunculaceae).

Pluteus exiguus (Pat.) Sacc.

Move to 'excluded' list.

PORODAEDALEA Murrill, *Bull. Torrey Bot. Club* 32: 367 (1905)

Type: *Porodaedalea pini* (Thore) Murrill

pini (Thore) Murrill, *Bull. Torrey Bot. Club* 32: 367 (1905)

Name changed from *Phellinus pini* with corrected reference.

Psathyrella scatophila Örstadius & E. Larss., *Mycol. Res.* 112(10): 1176 (2008)

E: !

H: English collection on cow dung.

D: FN: 598 I: FM 10(2): 69 (2009)

New record. A recent collection (2008) at K from Berkshire (Greenham Common).

Psathyrella spadicea (Schaeff.) Singer

Psathyrella variata A.H. Sm., *Mem. New York Bot. Gard.* 24: 238 (1972)

Add *Psathyrella variata* to synonymy.

PSEUDOINONOTUS T. Wagner & M. Fischer, *Mycol. Res.* 105: 781 (2001)

Type: *Pseudoinonotus dryadeus* (Pers.) T. Wagner & M. Fischer

dryadeus (Pers.) T. Wagner & M. Fischer, *Mycol. Res.* 105: 781 (2001)

Name changed from *Inonotus dryadeus*.

Resupinatus alboniger (Pat.) Singer, *Nova Hedwigia* 29(1-2): 17 (1978) [1977]

Pleurotus alboniger Pat., *Bull. Soc. Mycol. France* 9: 126 (1893)

Mis.: *Resupinatus silvanus* sensu auct. p.p.

Mis.: *Hohenbuehelia silvana* sensu auct. p.p.

E: ! W: ! NI: !

H: British collections on dead rosaceous stems (including *Rubus*), fallen hardwood twigs and a fallen branch of *Araucaria araucana*.

New record. Collections at K from East Cornwall (several sites near Bodmin, 2008-10), South Somerset (Yeovil, 2010) and Tyrone (Caledon Estate, 2006). An earlier collection (1991) at K from Merionethshire (as *R. silvanus*) now redetermined as this.

RHIZOMARASMIUS R.H. Petersen, *Mycotaxon* 75: 333 (2000)

Type: *Rhizomarasmius pyrrocephalus* (Berk.) R.H. Petersen

undatus (Berk.) R.H. Petersen, *Mycotaxon* 75: 335 (2000)

Name changed from *Marasmius undatus*.

RHODOCOLLYBIA Singer, *Schweiz. Z. Pilzk.* 17: 71 (1939)

The treatment in A&N4 based on combined molecular and morphological studies necessitates the following changes:

butyracea (Bull.) Lennox, *Mycotaxon* 9: 218 (1979)

Name changed from *Collybia butyracea*.

maculata (Alb. & Schwein.) Singer, *Schweiz. Z. Pilzk.* 17: 71 (1939)

Name changed from *Collybia maculata*.

prolixa (Hornem.) Antonin & Noordel., *Mycotaxon* 63: 365 (1997)

Name changed from *Collybia prolixa*.

prolixa var. **distorta** (Fr.) Antonin, Halling & Noordel., *Mycotaxon* 63: 365 (1997)

Name changed from *Collybia distorta*.

RUGOSOMYCES Raitelh., *Metrodiana* 8(1): 10 (1979)

Type: *Rugosomyces onychinus* (Fr.) Raitelh. [as '*onychina*']

The following entries are name changes for taxa previously listed in the genus *Calocybe*

carneus (Bull.) Bon, *Doc. Mycol.* 21(82): 66 (1991)

Name changed from *Calocybe carnea*.

chrysenron (Bull.) Bon, *Doc. Mycol.* 21(82): 65 (1991)

Name changed from *Calocybe chrysenron*.

ionides (Bull.) Bon, *Doc. Mycol.* 21(82): 66 (1991)

Name changed from *Calocybe ionides*.

obscurissimus (A. Pearson) Bon, *Doc. Mycol.* 21(82): 66 (1991)

Name changed from *Calocybe obscurissima*.

onychinus (Fr.) Raitelh., *Metrodiana* 9(2): 47 (1979)

Name changed from *Calocybe onychina*.

persicolor (Fr.) Bon, *Doc. Mycol.* 21(82): 66 (1991)

Name changed from *Calocybe persicolor*.

Russula faustiana Sarnari, *Boll. Assoc. Micol. Ecol. Romana* 25: 9 (1992)

E: !

H: English collection on calcareous grassland soil with *Betula* sp.

D: FN: 120 D+I: FM 11(2): 52-54 (2010), Sarn: 326-331

New record. A recent collection (2008) at K from East Kent (Putt Wood) and a record from Surrey (Kew Gardens) reported in FM 11(2): 52-54 (2010).

Russula felleaecolor Bon & Jamoni, *Rivista Micol.* 36(1): 6 (1993)

S: !

H: Scottish collection on soil with *Salix herbacea*.

New record. A collection (1986) at E from Cairn Gorm recently determined as this. For Sarnari (Sarn2) possibly only a colour form of *R. pascua*.

Russula pallescens P. Karst., *Bidrag Kännedom Finlands Natur Folk* 48: 463 (1889)

S: !

H: Scottish collection on soil with *Salix herbacea*.

D: FN: 113 D+I: Sarn: 416-419

New record. A collection (2010) at K from near the summit of Cairn Gorm.

Russula rivulicola Ruots. & Vauras, *Micologia* 2000 (Trento): 562 (2000)

S: !

H: Scottish collection on wet soil in *Sphagnum* under *Betula* and *Salix* spp.

D: FN: 144 D+I: Sarn2: 951-956

New record. A collection (2010) at K from Westernness (Loch Sunart).

SARCOMYXA P. Karst., *Meddeland. Soc. Fauna*

Fl. Fenn. 18: 62 (1891)

Type: *Sarcomyxa serotina*

Sarcomyxa serotina (Pers.) P. Karst., *Meddeland. Soc. Fauna*
Fl. Fenn. 18: 62 (1891)

Name changed from *Panellus serotinus*.

SETCHELLIOGASTER Pouzar, *Česká Mykol.*

12(1): 33 (1958)

Type: *Setchelliogaster tenuipes* (Setch.) Pouzar, *Česká Mykol.*
12(1): 34 (1958)

rheophyllus (Bertault & Malençon) G. Moreno & Kreisel, in
Moreno, Kreisel & Galán, *Feddes Repert.* 108(7-8): 567 (1997)
Naucoria rheophylla Bertault & Malençon, *Fl. Champ. sup.*
Maroc. 1: 427 (1970)

E: !

H: English collection on soil in *Eucalyptus nitens* plantation.

D+I: *Pagine di Micol.* 12: 64-69, pl. 43 (1999)

New record. A collection (2010) at K from Nottinghamshire
(Daneshill Energy Forest) growing with seedlings imported
from Spain and planted in 2005.

SETICYPHELLA Agerer, *Mitt. Bot. Staatssamml.*

München 19: 282 (1983)

Type: *Seticyphella tenuispora* Agerer, *Mitt. bot. Staatssamml.*
München 19: 290 (1983)

Seticyphella niveola (Sacc.) Agerer

Flagelloscypha niveola (Sacc.) Knudsen, in Knudsen &
Vesterholt, *Funga Nordica*: 913 (2008)

E: !

H: English collections on fallen leaves (broadleaved trees) and
dead herbaceous stems in woodland.

D: FN: 245 (as *Flagelloscypha niveola*)

Move from 'excluded' list. A few recent collections (2008-2010)
at K from Buckinghamshire, East Suffolk, South Hampshire
and South-west Yorkshire. Delete "Not authentically British"
from notes.

Tricholoma equestre var. **populinum** Mort. Chr. & Noordel.

Name and rank changed to *T. frondosae* (see below).

Tricholoma frondosae Kalamees & Shtshukin, *Folia Cryptog.*

Estonica 38: 14 (2001)

Tricholoma equestre var. *populinum* Mort. Chr. &
Noordel., *Persoonia* 17(2): 311 (1999)

D: FN: 426

Previously listed in Checklist update UD2 as *T. equestre* var.
populinum but now accepted at specific rank. As the name *T.*
populinum already existed, the species required a new name.

Tricholoma guldeniae Mort. Chr., *Mycotaxon* 107: 433

(2009)

S: !

H: On soil with conifers. As yet known only from Scandinavia
apart from a single Scottish collection.

I: FN: 428 (misspelt '*guldenii*)

New record. The 1993 Scottish collection from Westernness
(Lairig Eilde), now at L, was cited as a paratype.

Tricholoma matsutake (S. Ito & S. Imai) Singer, *Ann. Mycol.*
41: 77 (1943)

Armillaria matsutake S. Ito & S. Imai, *Bot. Mag. Tokyo* 39:
327 (1925)

Armillaria nauseosa A. Blytt, *Videnskabs-Selskabets Skrifter.*
I Math.- Naturv. Kl. 6: 22 (1905)

Tricholoma nauseosum (A. Blytt) Kytöv., *Karstenia* 28(2): 69
(1989) [1988]

Tricholoma caligatum var. *nauseosum* (A. Blytt) Bon, *Doc.*
Mycol. 20(78): 38 (1998)

Mis.: *Tricholoma caligatum* sensu NCL and auct. mult.

Following molecular studies by Bergius & Danell [*Scand. J.*
Forest Res. 15: 318-325 (2000)] and acceptance of a proposal

by Ryman *et al.* [*Taxon* 49: 555-556 (2000)], the name *T.*
matsutake has been conserved against its earlier synonym *T.*
nauseosum under which this species is listed in the printed
Checklist.

Tricholoma nauseosum (A. Blytt) Kytöv.

Name changed to *T. matsutake* (see above).

TRICHOLOMELLA Zerova ex Kalamees,

Persoonia 14(4): 446 (1992)

Type: *Tricholomella constricta* (Fr.) Zerova ex Kalamees [as
'*constrictum*']

constricta (Fr.) Zerova ex Kalamees, *Persoonia* 14(4): 446
(1992)

Name changed from *Calocybe constricta*.

Veluticeps abietina (Pers.) Hjortstam & Tellería

E: !

H: English collections on coniferous wood in the form of
imported timber and a fallen fence post.

D: NM3: 192 D+I: CNE2: 251-255 24A (as *Columnocystis*
abietina), B&K2: 96 71 (as *Columnocystis abietina*)

Move from list of alien taxa. Add H:, D: & D+I: as above and
replace notes with: Two collections at K (as *Columnocystis*
abietina) on imported coniferous timber and a collection
(1994) at K on a fallen fence in North Hampshire (Minley
Manor). There is also an unsubstantiated 2003 report of this
on a fallen branch in a conifer plantation in West
Gloucestershire (Forest of Dean).

Volvariella aethiops A. Favre & Vialard, *Bull. Mycol. Bot.*

Dauphiné-Savoie 47(184): 23 (2007)

Volvariella terrea Musumeci & A. Riva, *Schweiz. Z. Pilzk.*
85(2): 68 (2007)

E: !

H: English collection in needle litter of *Juniperus* near *Agaricus*
xanthodermus fruit bodies.

D+I FM 12(3): 75-76 (2011)

New record. A recent (2010) collection at K from Surrey (Royal
Botanic Gardens, Kew). The French type collection was also
found near *A. xanthodermus* as was that of *V. terrea*,
supporting the view that the latter is a synonym. For
discussion see FM 12(2): 39-40 (2011).

WOLDMARIA W.B. Cooke, *Beih. Sydowia* 4: 29 (1961)

Type: *Woldmaria crocea* (P. Karst.) W.B. Cooke

filicina (Peck) Knudsen, in Knudsen & Hansen, *Nordic J. Bot.*
16(2): 219 (1996)

Solenia filicina Peck, *Ann. Rep. N.Y. St. Mus. nat. Hist.* 28:
52 (1876) [1875]

S: !

H: Host-specific on the ostrich fern *Matteuccia struthiopteris*.
Scottish collections on old fertile fronds.

D: FN: 249

New record. Recent (2010) collections at E from Peeblesshire
(Dawyck Botanic Garden).

UREDINIOMYCETES

Haradaea duriaeana (Tul. & C. Tul.) Denchev & H.D. Shin

Delete from notes "and possibly *Moenchia erecta*".

Haradaea moenchiae-manticae (Lindtner) Denchev & H.D.
Shin, *Mycol. Balcanica* 3(1): 72 (2006)

W: !

H: On *Moenchia erecta*.

D: *Mycotaxon* 114: 228 (2010)

New record. Two collections (1997 & 1998) at K from a single
site in Montgomeryshire (Ffridd Maldwyn).

Kuehneola uredinis (Link) Arthur

Mis.: *Lecythea ruborum* sensu auct. Brit.

Add Mis. to entry. *L. ruborum* is included as a synonym of *Phragmidium violaceum* in the printed Checklist.

Microbotryum lychnidis-dioicae (Liro) G. Deml & Oberw.
Replace **H**: with: In anthers of *Silene latifolia* and *Cucubalus baccifer*.

Microbotryum silenes-acaulis M. Lutz, Piątek, Kemler & Chleb., *Mycol. Res.* 112: 1289 (2008)

S: !

H: In anthers of *Silene acaulis*.

Two collections (1942 & 1986) at K from Mid Perthshire (Ben Lawers) and North Ebuades (Isle of Skye) originally referred to *Ustilago violacea*.

Microbotryum silenes-dioicae T. Giraud, Denchev & M.E. Hood, *Mycol. Balcanica* 6(1): 80 (2009)

E: c **S**: o **W**: o **O**: Channel Islands: c

H: In anthers of *Silene dioica*.

Recently separated from *M. lychnidis-dioicae* and apparently restricted to this host.

Microbotryum violaceum (Pers.) G. Deml & Oberw.
Ustilago antherarum Fr., *Syst. mycol.* (Lundae) 3(2): 518 (1832) p.p.

Amend synonymy.

Replace distribution data with: **E**: ! **O**: Channel Islands: !

Replace **H**: with: In the anthers of *Silene nutans* and apparently restricted to this host.

Replace **D**: with *Mycol. Res.* 112: 1292-1294 (2008)

Replace notes with: Two collections at K (1969 & 1983) respectively from Kent & Channel Islands (Herm) and two records (2004 & 2008) from East Kent (Dungeness). Old collections and reports will include *M. dianthorum*, *M. lychnidis-dioicae*, *M. major*, *M. saponariae*, *M. silenes-acaulis*, *M. silenes-dioicae*, *M. silenes-inflatae*, *M. stellariae*.

Puccinia adoxae R. Hedw.

Mis.: *Puccinia saxifragarum* sensu auct. Brit. p.p.

Add Mis. to entry.

Puccinia caricina var. magnusii (Kleb.) D.M. Hend.

Replace **H**: with: II & III on *Carex riparia* (0 & I on *Ribes* spp., in Britain as yet only on *R. alpinum*).

Add to notes: A single recent collection (2005) at K of aecidia on *R. alpinum* from Staffordshire (Peak District).

Puccinia convolvuli Castagne, *Observ. Uréd.* 1: 16 (1842)

E: !

H: English collections on *Calystegia sepium*.

D: W&H: 171

Move from 'excluded' list. Two recent collections (2009) at K from a single site in Dorset.

Puccinia smyrnii Biv.

Aecidium smyrnii Bagnis, in Thümen, *Mycoth. Univ.*: no. 153 (1875)

Add the above to synonymy.

Uromyces croci Pass.

Move to list of alien taxa.

Xenodochus carbonarius Schldl.

Lecythea miniata Lev., *Ann. Sci. Nat., Bot.*, sér. 3, 8: 374 (1847)

Add the above to synonymy.

USTILAGINOMYCETES

Antherospora tourneuxii (A.A. Fisch. Waldh.) R. Bauer, M. Lutz, Begerow, Piątek & Vánky, *Mycol. Res.* 112: 1302 (2008)
Ustilago vaillantii var. *tourneuxii* A. A. Fisch. Waldh., *Verh. Bot. Ver. Prov. Brandenb.* 22: 65 (1880)

H: In anthers of *Bellevia romana*.

A recent segregate, restricted to *Bellevia*. The host plant is listed (for *Ustilago vaillantii*) in UBI: 59 but neither voucher material nor the source of the record has been traced.

Anthracoidea caryophylleae Kukkonen, *Ann. Bot. Soc. Zool.-Bot. Fenn. 'Vanamo'* 34(3): 53 (1963)

S: !

H: In ovaries of *Carex caryophyllea*.

D + I: Vánky: 26-27 43

Reported from Britain in UBI: 15: a single collection (1980) at E from South Aberdeenshire (Morrone).

Exobasidium unedonis Maire

Move to 'excluded' list.

NANNFELDTIOMYCES Vánky, *Sydowia* 34: 171 (1981)

Type: *Nannfeldtiomyces sparganii* (Lagerh.) Vánky

Nannfeldtiomyces sparganii (Lagerh.) Vánky, *Sydowia* 34: 171 (1981)

Melanotaenium sparganii Lagerh., *Bull. Soc. mycol. Fr.* 15: 98 (1899)

E: !

H: English collections in living leaves of *Sparganium erectum* along canal, pond and ditch margins.

D+I: Vánky: 168-169 172-173

New record. Twenty-one recent (Jul-Aug 2010) collections at K from Dorset, North Hampshire, North Somerset, North Wiltshire, South Devon, South Somerset and South Wiltshire.

Thecaphora ulicis Vánky, *Mycol. Balcanica* 5(3): 130 (2008)

E: !

H: Sori in seeds of *Ulex minor*. The anamorph replaces pollen in the anthers of the same host.

Three British collections at K from Dorset (Stoborough & Wareham Heaths, 1961-1962) and South Hampshire (New Forest, 1982) previously referred to *T. deformans* but recently recognised as a distinct species. Holotype from Wareham Heath.

Urocystis filipendulae (Tul. & C. Tul.) J. Schröt.

Amend **H**: delete "and rarely on *F. ulmaria*". Delete comma from notes after "Rarely reported."

Urocystis ulmariae (Liro) Vánky, *Symb. Bot. Upsal.* 24(2): 186 (1985)

Tuburcinia ulmariae Liro, *Ann. Univ. Fenn. Aboen.* 1: 88 (1922)

E: ! **S**: !

H: Sori in galled petioles and leaf veins of *Filipendula ulmaria*.

D+I: Vánky: 308, 342

Collections at K (1952-2010) from Angus (Loch of Kinnordy), Derbyshire (Lathkill Dale), East Perthshire (Blairgowrie), Kintyre (Stewarton) and South Somerset (Yeovil). Not previously distinguished from *U. filipendulae* on *F. vulgaris*.

ADDITIONS & AMENDMENTS TO LIST OF ALIEN TAXA

BASIDIOMYCETES

Echinoderma efibulis (Knudsen) Bon, *Doc. Mycol.* 21 (82): 62 (1991)

Lepiota efibulis Knudsen

A name change for the species previously listed as *Lepiota efibulis*.

Echinoderma rubellum (Bres.) Migl., *Parliamo di Funghi* (Camaione) Anno 8: 4 (2000)

Lepiota rubella Bres.

A name change for the species previously listed as *Lepiota rubella*.

Hohenbuehelia leightonii (Berk.) Courtec., *Doc. Mycol.* 34(135-136): 50 (2008)
H: On wooden planks, "the boards of an old hovel" *vide* Leighton in a letter at K.
D: *Mycotaxon* 25(1): 59-60 (1986)
Move from main list. Amend combining author as earlier combination is invalid. Amend **H:**, add **D:** and add the following to Notes: A distinctive large-spored species, but most use of this name follows K&M (1929) and instead refers to *H. unguicularis* (q.v.). Further discussion in Henrici [FM 10(4): 137 (2009)].

Lepiota efibulis Knudsen
Name changed to *Echinoderma efibulis* (q.v.).

Lepiota rubella Bres.
Name changed to *Echinoderma rubellum* (q.v.).

Veluticeps abietina (Pers.) Hjortstam & Telleria
Move to list of non-alien taxa.

UREDINIOMYCETES

Puccinia heucherae (Schwein.) Dietel, *Ber. Bayer. Bot. Ges.* 9: 42 (1891)
Recorded on leaves of *Heuchera* spp. in gardens in Hampshire, Kent & Surrey in 2004 and 2005, on nursery grown cultivars in 2005 and in a garden centre in Norfolk in 2009. See Henricot *et al.* (2006), *New Disease Reports* 13: 38.

Uromyces croci Pass.
Move from list of non-alien taxa.

USTILAGINOMYCETES

Urocystis trillii H.S. Jacks., *Mycologia* 12 (3): 151 (1920)
A single recent (2010) collection at K of sori in stem of *Trillium kurabayashii* plants in commercial cultivation outdoors in West Norfolk (King's Lynn).

ADDITIONS & AMENDMENTS TO LIST OF EXCLUDED TAXA

BASIDIOMYCETES

abieticola (Bourdot & Galzin) J. Erikss., *Hyphodontia*
Move to 'included' list.

aerugineum (Fr.) Lannoy & Estadès, *Leccinum*, *Doc. Mycol.* 21(81): 23 (1991)
Boletus chioneus var. *aerugineus* Fr., *Observ. mycol.* (Leipzig) 2: 250 (1818)
Move from 'included' list. A *nomen dubium* which has been applied to green tinged forms of several species but mainly to *L. holopus* in Britain. The neotype designated in L&E is also *L. holopus* *vide* den Bakker & Noordeloos [*Persoonia* 18(4): 511-587 (2005)].

albidodisca Kühner, *Inocybe*,
Move to 'included' list to synonymy of *I. inodora*.

alkalivirens (Singer) Halling, *Gymnopus*, in Antonin, Halling & Noordeloos, *Mycotaxon* 63: 363 (1997)
Name changed from *Collybia alkalivirens*.

alpestris (Britzelm.) Bon, *Rugosomyces*, *Doc. Mycol.* 21(82): 66 (1991)
Name changed from *Calocybe alpestris*.

alpinus Boud., *Cortinarius*
Move to 'included' list.

amygdalispora Hjortstam, *Dendrothele*
Move from 'included' list. All British collections at K and other British material (Dorset) so named now redetermined as *D. citrisporella* (q.v.).

arvinaceus Fr., *Cortinarius*
Move from 'included' list as now regarded as a *nomen dubium*. Described by Fries as "aurantio-fulvus" in colour but more recently applied to various taxa with yellowish pilei in subgenus *Myxadium*. *Sensu* Cooke 732 (737) is for Orton probably *C. delibutus*. *Sensu* Rea is unknown. A few more recent records are also doubtful. See FM 10(2): 47 for further discussion.

atratus K.A. Harrison, *Phellodon*
Move from 'included' list. A North American species, not authentically British. Scottish collections named thus are currently assigned (unidentified) to the *Phellodon niger* complex based on comparative sequencing evidence in Ainsworth *et al.* [*Fung. Ecol.* 3: 65-80 (2010)].

bipellis (Romagn.) P. Roux, Guy Garcia & Borgarino, *Coprinellus*, in Roux, *Mille et un Champignons*: 13 (2006)
Name changed from *Coprinus bipellis*.

bongardii var. **pisciodora** (Donadini & Rioussat) Kuyper, *Inocybe*
Move to 'included' list.

cepistipes Velen., *Armillaria*
Move to 'included' list.

cerinum M. Korhonen, *Leccinum*, *Karstenia* 35(2): 61 (1995)
Move to 'included' list as a synonym of *L. versipelle* (q.v.).

chrysenderon var. **juncicola** (R. Heim) Bon, *Rugosomyces*, *Doc. Mycol.* 21(82): 65 (1991)
Name and rank changed from *Calocybe juncicola*.

chrysoloma (Fr.) Fiasson & Niemelä, *Porodaedalea*, *Karstenia* 24: 25 (1984)
Name changed from *Phellinus chrysoloma*.

compactum (Fr.) P. Karst., *Tricholoma*
Leucopaxillus compactus (Fr.) Neuhoff, *Westfälische Pilzbriefe* 1(5): 65 (1958)
Remains a *nomen dubium*, but the synonym *Leucopaxillus compactus* was omitted from the printed Checklist and entry should be expanded: *Sensu* Fries seems near *Tricholoma saponaceum*. *Sensu* Neuhoff is *Leucopaxillus tricolor*. Other *Leucopaxillus* species have also been suggested. Recorded as British (as *T. compactum*) by Masee (1911) for reasons unknown in a sense unknown. Hence also listed in Rea (1922).

cumulatum K.A. Harrison, *Hydnellum*
Move to 'included' list.

denudatus L., *Clathrus*, *Sp. pl.* 2: 1179 (1753)
Recorded from England (Yorkshire) by Bolton (1789), but his illustration represents a species of the *Myxomycota* (*Arcyria denudata* (L.) Wettst.).

exiguus (Pat.) Sacc., *Pluteus*
Move from 'included' list. Not authentically British. Recent revision of collections at K resulted in their redetermination, mostly as *P. hispidulus*. *P. exiguus* was included as British by Orton (BFF4: 39) backed by a single collection (1968) he made in Surrey (The Sheepleas) but voucher material named as this could not be traced at K or E. However, an Orton collection was found at E with the required collection details named in Orton's hand as '*P. pusillulus?*'. Orton stated (BFF4: 39) that the latter species was collected in the Aroid House at Kew and therefore he did not regard it as British. The collection at E (ascribed to The Sheepleas) did not match the original description of *P. pusillulus* but could not be determined. Since both *P. exiguus* and *P. pusillulus* currently

lack any known supporting voucher material they are excluded.

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

fallax (Sacc.) Bon, Rugosomyces, *Doc. Mycol.* 21(82): 65 (1991)
Name changed from *Calocybe fallax*.

fodiens (Kalchbr.) Antonin & Noordel., Rhodocollybia
Mycotaxon 63: 365 (1997)
Name changed from *Collybia fodiens*.

hariolorum (Bull.) Antonin, Gymnopus, Halling & Noordel.,
Mycotaxon 63: 364 (1997)
Name changed from *Collybia hariolorum*.

helveticus (Singer) M.M. Moser, Chroogomphus, in Gams,
Kleine Kryptogamenflora, Edn 3: 51 (1967)
Not authentically British. A British collection of this was described in BFF1: 79-80 but subsequently [BFF1 2nd edn: 113-114 (2005)] regarded as misidentified *C. rutilus*.

lagopides (P. Karst.) Redhead, Vilgalys & Moncalvo,
Coprinos
Move from 'included' list. Regarded as a *nomen confusum* to be abandoned. This name was long used for the smooth-spored species now known as *C. jonesii*. However the type collection was later found to comprise the warty-spored species known as *C. phlyctidospora* (q.v.).

lanuginosa (Bull.) P. Kumm., Inocybe
Move from 'included' list. Regarded as a *nomen confusum*.
Sensu CBIB2005 this is *I. stellatospora* whereas sensu NCL and FN it is *I. ovatocystis* (q.v.).

lapponicum (Litsch.) Ryvarden, Hyphoderma *Rep. Kevo Subarct. Res. Stat.* 8: 149 (1971)
Gloeocystidium lapponicum Litsch., *Ann. Mycol.* 39: 133 (1941)
Not authentically British. Reported from England (Berkshire: Sulham Woods) in 2001 on a fallen fence post but the voucher material at K now redetermined as *H. cryptocallimon*.

longipes (Boud.) M.M. Moser, Hohenbuehelia
Move from 'included' list. Unknown in Britain. The three collections so named in K are undetermined and probably quasi-stipitate growth forms of *H. petaloides*. Further details in Henrici [FM 10(4): 135 (2009)].

macra (Sommerf.) Niemelä, Antridia
Move from 'included' list. A single collection at K on *Salix* from South Hampshire (New Forest, Millyford Bridge) now redetermined as *A. ramentacea*. Reported from Norfolk but unsubstantiated with voucher material.

maculata var. scorzonerea (Fr.) Lennox, Rhodocollybia,
Mycotaxon 9: 214 (1979)
Name changed from *Collybia maculata var. scorzonerea*.

mellita (Bourdot) Bondartsev & Singer, Ceriporia
Move to 'included' list.

molle (Bon) Lannoy & Estadès, Leccinum
Krombholziella mollis Bon
Move from 'included' list (as synonyms of *L. scabrum*). This is a *nomen dubium* fide den Bakker & Noordeloos [*Persoonia* 18(4): 511-587 (2005)] with poorly preserved type material. It has been applied to soft-capped greenish forms of *L. scabrum* in damp locations and probably also to other species when old, soft and greenish.

murinaceum (J. Blum) Bon, Leccinum
Boletus murinaceus J. Blum
Move from 'included' list (as synonyms of *L. scabrum*). This is a *nomen dubium* fide den Bakker & Noordeloos [*Persoonia* 18(4): 511-587 (2005)] as the type is in poor condition and

the description could refer to *L. melaneum*. Some British records probably refer to *L. scabrum*.

mutatum (Peck) Donk, Hyphoderma
Move to 'included' list.

nigricans (Fr.) P. Karst., Phellinus
Move from 'included'. Not authentically British. "A single confirmed collection from Easternness (Craigellachie NNR) in 1997" recorded on *Betula* but the voucher material at K now redetermined as *Porodaedalea pini* on *Pinus*.

obtusiforme J. Erikss. & Å. Strid, Hyphoderma
Move to 'included' list.

percandidum (Vassilkov) Watling, Leccinum
Boletus percandidus Vassilkov, *Sovietsk. Bot.* 2: 27 (1944)
Boletus versipellis var. *percandidus* (Vassilkov) Vassilkov, *Edible and poisonous fungi cent. Eur. dist. U.S.S.R.:* 37 (1948)
Krombholzia aurantiaca f. *percandida* (Vassilkov) Vassilkov, *Notulae Syst. Sect. Crypt. Inst. Bot. Acad. Sci. U.S.S.R.* 11: 139 (1956)
Move to 'included' list as synonyms of *L. versipelle* (q.v.).

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

poliopus var. alpigenum (J. Favre) Bon, Entoloma, *Mycol. Helv.* 3(3): 317 (1989)
Not authentically British. Reported from England (Derbyshire: Chatsworth Park) in 2004 but unsubstantiated with voucher material.

pseudoasterospora Kühner & Boursier, Inocybe
Move from 'included' list. The type var. was included in CBIB2005 in error. The associated entry should be headed by *I. pseudoasterospora* var. *microsperma* (q.v.).

pseudohiulca Kühner & Boursier, Inocybe
Move from 'included' list. The only British record was misdetermined.

pulchrum Lannoy & Estadès, Leccinum
Move from 'included' list (as a synonym of *L. roseofractum*). A synonym of *L. rotundifoliae* fide den Bakker & Noordeloos [*Persoonia* 18(4): 511-587 (2005)] unknown in Britain. British collections so named are probably pink-tinged forms of *L. scabrum*.

pulla (Schaeff.) Gillet, Collybia
Replace notes with: A *nomen dubium* lacking type material. Antonin & Noordeloos (A&N4 CD) regard this as probably *Rhodocollybia prolixa* var. *distorta*. See TBMS 2: 13 (1907) for the description and illustration of the British collection (South Essex: Epping Forest).

pusillulus Romagn., Pluteus, *Rev. Mycol.* 5 (*Suppl.*): 23 (1940)
Not authentically British. For further details see 'excluded' entry for *P. exiguus*.

querceus (Britzelm.) Antonin & Noordel., Mycetinis, in Noordeloos & Antonin, *Czech Mycol.* 60(1): 26 (2008)
Name changed from *Marasmius querceus*.

relicina (Fr.) Quél., Inocybe
Move to 'included' list.

reniformis (G. Mey.) Singer, Hohenbuehelia
Move from 'included' list. A *nomen dubium*. Sensu Cooke [III. Brit. fung. 286 (276) Vol. 3 (1883C)] doubtful. The descriptions in Rea (1922) and BFF6 both contain a mix of elements of more than one species. The few British collections require reassessment.

rhodoxanthus (Krombh.) Kallenb., Boletus
Move to 'included' list.

rufa (Fr.) Boidin, Peniophora

Move from 'included' list. "A single collection from Surrey (Escher, Arbrook Common)" in 1989 recorded on *Populus* but the voucher material at K now redetermined as *P. polygonia*.

saccharinus Romagn., *Coprinus*

Move from 'excluded' list and into the new genus *Coprinellus*.

silvana (Sacc.) O.K. Mill., *Hohenbuehelia*

Agaricus silvanus Sacc., *Michelia* 1: 1 (1877)

Pleurotus silvanus (Sacc.) Sacc., *Syll. fung.* 5: 379 (1887)

Resupinatus silvanus (Sacc.) Singer, *Lilloa* 22: 253 (1951)

Move to 'included' list and add to the synonymy of *H. cyphelliformis* (q.v.).

stercorarius (Bull.) Fr., *Coprinus*

Move from 'included' list (as a synonym of *Coprinopsis stercorea*). A *nomen dubium* applied to several members of the *Coprinopsis narcotica* complex. Sensu Rea (1922) doubtful. Sensu NCL is *Coprinopsis tuberosa* (q.v.).

stevensonii (Berk. & Broome) Watling, *Gerronema*

Move from 'included' list. Currently regarded as a *nomen dubium*. A recent examination of authentic Scottish material at K., originally described as *Cantharellus stevensonii*, concluded that it belongs in neither *Gerronema* nor *Cantharellus* and is probably not identifiable.

stillatitius Fr., *Cortinarius*

Move from 'included' list. Now considered a *nomen dubium*. For Fries a rare species with cap and stipe coated with blue-violaceous gluten. Orton (1955) noted an unlocalised collection possibly in this sense but "needing further study" and included it in NCL. This name has recently been widely used (e.g. in FN) in a broad sense that includes *C. mucifluoides* and *C. integerrimus* (q.v.) of this Checklist. Sensu NCL and auct. mult. is *C. mucifluoides* (q.v.). *C. pseudosalor* J.E. Lange, listed as a synonym in the printed Checklist, also now excluded as a *nomen dubium* as somewhat insufficiently described from a single collection.

storea (Fr.) Bon, *Psathyrella*, *Doc. Mycol.* 12: 52 (1982)

Agaricus storea Fr., *Epicr. syst. mycol.*: 223 (1838)

Hypholoma storea (Fr.) Sacc., *Syll. fung.* 5: 1033 (1887)

Not authentically British. Sensu Masee (1892) (as *Hypholoma storea*) doubtful, though *H. storea* var. *caespitosum* is *Psathyrella cotonea*.

tomentosa (Fr.) P. Karst., *Onnia*

Name changed from *Inonotus tomentosus*.

trinii (Weinm.) Quél., *Inocybe*

Delete "and this is otherwise unknown in Britain" from notes.

umbrinum J. Blum, *Leccinum*, *Rev. Myc.* 32: 366 (1967)

Omitted from printed list. A *nomen invalidum*. British records relate to soft greenish forms of *L. scabrum* collected in wet locations that have sometimes been distinguished as *L. molle*.

viridis (Alb. & Schwein.) J. Schröt., *Amaurodon*

Move to 'included' list.

UREDINIOMYCETES

convolvuli Castagne, *Puccinia*

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

saxifragarum Link, *Puccinia*, in L., *Sp. pl.* ed. 4, 6(2): 81 (1825)

A *nomen dubium*, including *P. saxifragae* Schlecht. and *P. adoxae* R. Hedw. Sensu auct. brit is *P. adoxae*.

USTILAGINOMYCETES

deformans Durieu & Mont., *Thecaphora*

Move from 'included' list. Not authentically British. British material, in seeds of *Ulex minor*, recently recognised as a distinct species *T. ulicis* (q.v.).

liroi (Lehtola) Nannf. & B. Lindeb., *Anthracoidea*, *Svensk Bot. Tidskr.* 59: 205 (1965)

Not authentically British. Reported from Britain in UBI: 15 but no voucher has been traced. There is also a single Scottish collection (1993) at E from Wester Ross (Gairloch) on *Carex echinata* identified as *A. ?liroi* which is more likely to be of *A. kariii*.

unedonis Maire, *Exobasidium*

Move from 'included' list. Not authentically British. A single (1984) collection at K on *Arbutus* leaves from North Essex (Colchester) now redetermined as *Aureobasidium* sp. Reported from the same vice county in 1961 but unsubstantiated with voucher material.