

CBIB SIXTH UPDATE (UD6) (Ainsworth, A.M. & Henrici, A. 2015)

The online CBIB database (<http://www.basidiochecklist.info/index.htm>) continues to be updated, principally by A.M. Ainsworth (RBG, Kew) & A. Henrici and supported by P.M. Kirk (RBG, Kew). It incorporates data published in the printed Checklist (Legon & Henrici 2005) together with the additions and modifications recorded in this series of Updates and other more minor amendments submitted electronically to PMK. As this is the first update since 2011, priority has been accorded to new additions to, and exclusions from, the British and Irish list. Very few amendments arising from taxonomic and nomenclatural changes are included. These will be held over and considered for inclusion in the next Update.

Approximately 247 net additions (291 additions and 44 exclusions), almost all at species level, have been made to the checklist since the publication of Legon & Henrici (2005) yielding an average of ca. 25 net additions per annum over the last decade.

Bibliography

Additions to Short References

March4. Marchand, A. (1976). *Champignons du Nord et du Midi* 4. Perpignan: Société Mycologique des Pyrénées Méditerranéennes. 264 pp.

PhAm. Phillips, R. (2005). *Mushrooms and other fungi of North America*. New York: Firefly Books. 319 pp.

Additions to Standard References

Marquand, E.D. (1901). *Flora of Guernsey and the Lesser Channel Islands*. London: Dulau & Co. 501 pp.

Moore, W.C. (1959). *British Parasitic Fungi*. Cambridge: Cambridge University Press. 430 pp.

ADDITIONS & AMENDMENTS TO LIST OF INCLUDED TAXA

BASIDIOMYCETES

Amanita coryli Neville & Poumarat, *Fungi Non delineati* 51-52: 34 (2009)

E: ! W: !

H: On soil, under *Corylus*.

D+I:

New record. Collections (2012 onwards) at K from Pembrokeshire (Wyndrush) and Surrey (Kew Gardens). A poorly-known morphological/ecological segregate from the *A. vaginata* complex.

Amanita echinocephala var. **subbellei** (Neville & Poumarat) Traverso [*Nom. inval.*, Art. 41.5], *Il Genero Amanita in Italia*: 151 (1999)
Amanita solitaria var. *subbellei* Neville & Poumarat, *Docum. Mycol.* 26(no. 101): 52 (1996)

E: !

H: On calcareous woodland soil, near *Castanea sativa*.

D+I: FM 12(2): 68-70 (2011)

New record. Collections (2010 onwards) at K from West Kent (Farningham Wood).

Amanita grisea Massee & Rodway, *Bull. Misc. Inf., Kew*: 156 (1901)

S: !

H: On soil, near *Betula*.

D+I:

Omitted from printed checklist. A collection (1979) at E from Perthshire, VC87-89. An Australian taxon described from Tasmania included herein pending further (molecular) studies.

Antrodia carbonica (Overh.) Ryvarden & Gilb., *Mycotaxon* 19: 139 (1984)

Poria carbonica Overh., *Canadian Journal of Research, Section C* 21: 232 (1943)

E: !

H: English collection on conifer log (?*Pinus*).

D+I: FM 14(3): 77-79 (2013)

New record. Collections (2011 & 2012) at K from Oxfordshire (Crowsley Park Woods) from sawn log in conifer plantation.

Antrodia citrina Bernicchia & Ryvarden, in Bernicchia, *Fungi europ.* (Alassio) 10: 98 (2005)

E: !

H: English collections on fallen trunks of *Larix*.

D+I:

New record. Collections (2011 & 2013) at K from North Somerset (Gilling Down and Great Breach Wood) from well-decayed trunks in or near a larch plantation, confirmed by L. Ryvarden.

Arrhenia umbratilis (Fr.) Redhead, Lutzoni, Moncalvo & Vilgalys

S: !

H: Scottish collection on moist ground with mosses and *Carex*.

D+I: FM 14(3): 96-97 (2013)

Move from 'excluded' list. A collection (2012) at K from the Outer Hebrides (South Uist, Loch Druidibeag area). Listed in NCL, but a doubtful and poorly known species in Britain and excluded from the printed checklist (2005) due to lack of collections. Cooke 265 (274) Vol. 2 (1883) showing a collection by Berkeley from Coed Coch may not represent the current concept of the species.

Bankera fuligineoalba (J.C. Schmidt) Pouzar

Hydnum macrodon Pers., *Syn. meth. fung.* (Göttingen) 2: 560 (1801)

Remove *Hydnum macrodon* to separate entry in 'excluded' list. Replace *B. fuligineoalba* **Notes** with: Occasional but widespread in Scotland. Probably extinct in England and known only from Berkshire (Ascot and Maidenhead) in 1863 and 1864 possibly as a short-lived introduction. An authentic collection was displayed during the BMS Yorkshire foray in 1971 but its source has not been traced.

Boletus luridus var. **rubriceps** (Maire) Dermek

Move to 'excluded' list.

Boletus mendax Simonini & Vizzini, *Mycol. Progr.* 13(1): 98 (2014)

Mis.: *Boletus luridus* var. *rubriceps* sensu BFF1 (rev.)

E: !

H: English collections on soil overlying calcareous rock, in *Fagus* or *Fagus/Quercus* woodland.

D+I:

New record. Redetermined collections (1998 onwards) at K from Berkshire (Dungrovehill Wood) filed as *B. luridus* var. *rubriceps* and Herefordshire (Great Doward) filed as *B. luridus* based on DNA sequence analysis (unpubl.).

Boletus regius Krombh.

Move to 'excluded' list.

Boletus rhodopurpureus Smotl.

Mis.: *Boletus torosus* sensu BFF1 (rev.)

Mis.: *Boletus xanthocyaneus* sensu BFF1 (rev.)

Additional misapplied names.

Boletus torosus Fr. & Hök

Move to 'excluded' list.

Boletus xanthocyaneus (Ramain) Romagn.

Move to 'excluded' list.

Botryobasidium asperulum (D.P. Rogers) Boidin, *Cahiers de La Maboké* 8(1): 19 (1970)

Pellicularia asperula D.P. Rogers, *Farlowia* 1(1): 100 (1943)

E: !

H: English collection on fallen *Pinus* trunk.

D+I:

New record. A collection (2014) at K from the Isle of Wight (Puckers Copse).

CALATHELLA D.A. Reid, *Persoonia* 3(1): 122 (1964) [*Nom. illegit.*, Art. 53.1]

Type: *Calathella eruciformis* (P. Micheli ex Batsch) D.A. Reid

eruciformis (P. Micheli ex Batsch) D.A. Reid

Flagelloscypha eruciformis (P. Micheli ex Batsch) Singer, *Beih. Nova Hedwigia* 29: 151 (1969)

S: !

H: Scottish collection on decorticated small fallen branch of *Populus tremula*.

D+I:

Move from 'excluded' list and add the above name to synonymy. A collection (2013) at K from Easternness (Glen Moriston). Recorded from Scotland by Dennis (1986, as *Lachnella eruciformis*) based on records of *Cyphella*

albocarpa sensu Wakefield (1952), which is now recognised as a species of *Flagelloscypha* and probably *F. pilatii*.

Callistosporium pinicola Arnolds, *Acta Mycologica*, Warszawa 41(1): 32 (2006)

E: ! W: !

H: On dead coniferous wood.

D+I: FM 15(2): 49-50 (2014)

New record. Collections (2009 onwards) at K from Caernarvonshire (Treborth Botanic Gardens), Dorset (Stubhampton Bottom) and South Hampshire (New Forest).

CERINOMYCES G.W. Martin, *Mycologia* 41(1): 82 (1949)

Type: *Cerinomyces pallidus* G.W. Martin

crustulinus (Bourdot & Galzin) G.W. Martin, *Mycologia* 41(1): 85 (1949)

Ceracea crustulina Bourdot & Galzin, *Bull. Soc. mycol. Fr.* 39(4): 266 (1924) [1923]

S: !

H: Scottish collection on fallen branch of *Pinus sylvestris*.

D+I:

New record. A collection (2013) at K from South Aberdeen (Quoich Water).

CHAETODERMELLA Rauschert, *Hausknechtia* 4: 52 (1988)

Type: *Chaetodermella luna* (Romell ex D.P. Rogers & H.S. Jacks.) Rauschert

luna (Romell ex D.P. Rogers & H.S. Jacks.) Rauschert, *Hausknechtia* 4: 52 (1988)

Peniophora luna Romell ex D.P. Rogers & H.S. Jacks., *Farlowia* 1(2): 320 (1943)

S: !

H: Scottish collection on fallen decorticated branch of *Pinus sylvestris*.

D+I: CNE2: 231-233 (as *Chaetoderma luna*) **I:** FM 14(2): 46 (2013)

New record. A collection (2012) at K from South Aberdeen (Quoich Water).

Clavariadelphus truncatus (Qué.) Donk

Move to 'excluded' list.

Clitocybe glareosa Röllin & Monthoux, *Mycol. helv.* 1(4): 234 (1985) [1984]

S: ! W: !

H: On grassland soil.

D+I:

New record. A collection (2008) at E (as *C. bresadolana*) from East Lothian (Gifford) and one (2014) at K associated with *Helianthemum* from Montgomeryshire (Llanymynech Hill).

Clitocybe obsoleta (Batsch) Qué.

E: !

H: On soil in litter with grasses under *Cedrus*.

D+I: FM 15(4): 111-112 (2014)

Move from 'excluded' list. Previously regarded as a *nomen dubium* variously interpreted. A collection (2014) at K from Surrey (Englefield Green). See FM 15(4): 111-112 (2014) for further discussion.

Coltricia cinnamomea (Jacq.) Murrill

E: !

H: English collection on underside of fallen conifer branch in woodland.

D: EurPoly1: 211-212, NM3: 331 **D+I:** PhAm: 259, FM 13(4): 124-127 (2012) **I:** March4: 43

Move from 'excluded' list. A collection (2011) at K from Herefordshire (Wigmore). Six earlier collections (pre-1959) at K from England and Scotland were redetermined as *C. perennis* or *C. perennis* (cf.).

Coprinopsis rugosobispora (J. Geesink & Imler) Redhead, Vilgalys & Moncalvo, in Redhead, Vilgalys, Moncalvo, Johnson & Hopple, *Taxon* 50(1): 231 (2001)

Coprinus rugosobisporus J. Geesink & Imler, *Sterbeekia* 12: 9 (1979)

E: !

H: English collection on chipboard in hen house. Elsewhere in Europe on dung.

D+I:

New record. A collection (2010) at K from East Norfolk (Briston). This is a bisterigmate close relative of *C. phlyctidospora*. The spores were larger than those of the original description (D.J. Schafer pers. comm.).

Cortinarius caesiocortinatus Jul. Schäff., *Sydowia* 5(3-6): 359 (1951)

E: !

H: English collection on roadside soil under *Quercus*.

D+I: FM 15(4): 128-129 (2014)

New record. A collection (2013) at K from North Somerset (Abbots Leigh).

Cortinarius coleoptera H. Lindstr. & Soop, *Journal des JEC* 1: 58 (1999)

S: !

H: Scottish collections on sandy soil in *Pinus* plantation with a few *Betula pubescens*.

D+I:

New record. Three collections (2004 onwards) originally identified in the UNITE DNA sequence database as *C. umbrinolens* from Morayshire (Culbin Forest) were redetermined by Niskanen et al. [*Mycol. Res.* 113(2): 182-206 (2009)].

Cortinarius comptulus M.M. Moser

S: !

H: Scottish collection on soil under *Picea sitchensis*.

D+I:

Move from 'excluded' list. A collection (2001) at E from Peebleshire (Dawyck Botanic Garden).

Cortinarius fragrantior Gaugué, *Docums Mycol.* 7(nos 27-28): 54 (1977)

NI: !

H: Northern Irish collection on woodland soil under *Picea*.

D+I: FM 14(2): 48-52 (2013)

New record. Collections (2012) at K from Fermanagh (Correl Glen and Crom).

Cortinarius fusisporus Kühner, *Bull. mens. Soc. linn. Soc. Bot. Lyon* 24: 39 (1955)

E: !

H: English collection on mixed woodland soil.

D+I:

New record. A collection (2005) at K from Worcestershire (Halesowen).

Cortinarius helobius Romagn.

E: !

H: On soil under broadleaved trees.

D+I: CFP3: C43, B&K5:260 328

Move from 'excluded' list. Collections (2009 & 2012) at K from Dorset (Studland) and West Kent (Keston).

Cortinarius leiocastaneus Niskanen, Liimat. & Soop, *Mycol. Progr.* 7(4): 244 (2008)

E: !

H: English collection on woodland soil under *Picea*.

D+I:

New record. A collection (2012) at K from North Somerset (Stockhill Plantation).

Cortinarius nolaneiformis (Velen.) Dima, Niskanen & Liimat., *Mycol. Progr.* 13(3): 871 (2014)

Hydrocybe nolaneiformis Velen. *Novitates Mycologicae*: 116 (1939)

E: !

H: English collection on clay soil in wooded parkland.

D+I:

New record. A collection (2014) at K from Middlesex (Hampstead Heath) confirmed by DNA sequence data (in prep.). This collection was originally reported online and in the national press named as *C. irregularis*. It is likely to be widespread in suitable habitat although no further examples were found by sequencing putative specimens in K.

Cortinarius puniceus P.D. Orton**E:** !

H: On acidic soil in woodland.

D+I: Ph: 141

Move from synonymy of *Cortinarius sanguineus* and include as a separate species following DNA sequence analysis of Orton's type specimen by Niskanen et al. [*Mycologia* 104(1): 242-253 (2012)].

Cortinarius splendidicus Chevassut & Rob. Henry, *Docums*

Mycol. 5(no. 20): 33 (1975)

E: !

H: English collection on deciduous woodland soil under *Tilia cordata*.

D+I:

New record. A collection (2013) at K from Northamptonshire (Easton Hornstocks).

Cortinarius suberi Soop, *Agarica* 10/11(no. 19-20): 106 (1990)**S:** !

H: Scottish collection on semi-natural woodland soil under *Pinus sylvestris*.

D+I:

New record. A collection (2012) from Easternness (Abernethy Forest, Ryduack East) sequenced and verified by Taylor et al. [*Scottish Natural Heritage Commissioned Report No. 762*. (2014)]

Cortinarius subgaleroideus Rob. Henry ex Rob. Henry, in

Bidaud, Henry, Moëgne-Loccoz & Reumaux, *Atlas des Cortinaires 3* (Annecy): 70 (1991)

E: !

H: English collection on soil in poor acidic birch and oak scrub woodland soil near *Quercus*.

D+I:

New record. A collection (2011) at K from Middlesex (Hounslow Heath).

Cortinarius velenovskyanus Moëgne-Locc. & Reumaux, in

Bidaud, Moëgne-Loccoz, Reumaux & Henry, *Atlas des Cortinaires*, Hors-Serie 1: 153 (1997)

E: !

H: English collection on calcareous woodland soil near *Carpinus betulus*.

D+I:

New record. A collection (2014) at K from West Kent (Darent Wood).

Dendrothele naviculoefibulata Duhem, *Bull. Soc. Mycol.*

France 128(1-2): 65 (2012)

E: !

H: English collections on bark of standing diseased *Ulmus* trunks.

New record. Three collections (2009 & 2011) from two neighbouring elms in East Suffolk (Kenton Hills).

Entoloma fridolfingense Noordel. & Lohmeyer, in Noordeloos, Wölfel & Enderle, *Z. Mykol.* 61(2): 194 (1995)**W:** !

H: Welsh collection on soil in short turf of species-rich, maritime, calcareous grassland managed by cattle and pony grazing.

D+I: FM 13(3): 77-78 (2012)

New record. A collection (2010) at K from Pembrokeshire (Stackpole Warren), confirmed by E.J.M. Arnolds.

Entoloma ochreoprunuloides Morgado & Noordel.,

Persoonia 31: 171 (2013)

Entoloma ochreoprunuloides f. *hyacinthinum* Noordel. &

Morgado, *Persoonia* 31: 173 (2013)

W: !

H: Welsh collection on soil in unimproved grassland.

D+I:

New record. A collection (2010) of the type form from Pembrokeshire (Somerton Farm) was sequenced and verified by Morgado et al. [*Persoonia* 31: 159-178 (2013)]. The holotype of f. *hyacinthinum* was collected at the same site in 2010 and its description and sequence data are in Morgado et al. (2013). A collection (2010) of this violet-tinged form from its type locality is at K.

Entoloma prismatospermum (Romagn.) E. Horak, *Sydowia* 28(1-6): 216 (1976) [1975-1976]

Rhodophyllus prismatospermus Romagn., *Bull. Mens. Soc. Linn. Lyon* 43: 386 (1974)

E: ! **S:** !

H: Collections on soil in sheep-grazed grassland.

D+I:

Omitted from printed checklist. A collection (1987) at K from South-west Yorkshire (Holt Rocher) and one (2000) at E from Dumfriesshire (Menck Pass).

Entoloma violaceoserrulatum Noordel., *Entoloma s.l.*, *Fungi Europaei* vol. 5 (Saronno) 5a: 1038 (2004)**W:** !

H: Welsh collection on soil in calcareous grassland associated with *Helianthemum*.

D+I:

New record. A collection (2014) at K from Montgomeryshire (Llanymynech Hill) determined by M.E. Noordeloos.

ERYTHRICIUM J. Erikss. & Hjortstam

Marchandiobasidium Diederich & Schultheis, in Diederich, Schultheis & Blackwell, *Mycol. Res.* 107(5): 524 (2003)

Additional synonym.

aurantiacum (Lasch) D. Hawksw. & A. Henrici, *Field Mycology* 16(1): 16 (2015)

Illosporium aurantiacum Lasch, in Rabenhorst, *Bot. Ztg.* 17: 304 [629] (1859)

Marchandiomyces aurantiacus (Lasch) Diederich & Etayo, in Etayo & Diederich, *Mycotaxon* 60: 421 (1996)

Marchandiobasidium aurantiacum (Lasch) Diederich & Schultheis, in Diederich, Schultheis & Blackwell, *Mycol. Res.* 107(5): 524 (2003)

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

H: Lichenicolous, usually on *Physcia* spp. Basidiomata found amongst minute globose sclerotia.

D+I: FM 12(4): 132-134 (2011) (as *Marchandiobasidium aurantiacum*)

Omitted from printed checklist. A collection of the sexual morph (2010) at K on *Physcia tenella* from Radnorshire (Glasbury). Records of the asexual morph are widespread in Britain and Ireland.

FAVOLASCHIA (Pat.) Pat., in Patouillard &

Lagerheim, *Bull. Soc. mycol. Fr.* 8(3): 116 (1892)

Type: *Favolaschia gaillardii* (Pat.) Pat., *Bull. Herb. Boissier* 3(1): 54 (1895)

calocera R. Heim, *Revue Mycol.*, Paris 31(2): 154 (1966)**E:** !

H: English collections on fallen dead wood of broadleaved trees.

D+I:

New record of a potentially invasive, wood-inhabiting saprotroph. Probably a recent introduction. Collections (2012 onwards) at K from South Devon (Paignton) and West Cornwall (Enys Estate).

Flammulina elastica Redhead & R.H. Petersen, *Mycotaxon*

71: 293 (1999)

Agaricus elasticus Lasch, *Bot. Ztg.* 15: 171 (1857) [*Nom. illegit.*, Art. 53.1]

E: ! W: !

H: On dead wood or on soil containing woody debris.

D+I: FM 12(2): 39-41 (2011)

New record. First English collection (2010) as a glasshouse alien at the base of a cone-bush (*Leucadendron conicum*: Proteaceae) at K from Surrey (Temperate House, RBG Kew). Subsequent outdoor collections at K from Pembrokeshire (Rosemarket) and Surrey (Putney and Brookwood).

Flammulina fenae Bas, *Persoonia* 12(1): 52 (1983)

E: !

H: English collection on fallen dead trunk.

D: FM 12(2): 39-41 (2011)

New record. A collection (2014) at K from Buckinghamshire (Black Wood).

Gastrum britannicum J.C. Zamora, in Zamora, Calonge & Martín, *Persoonia* 34: 143 (2015)

Mis.: *Gastrum quadrifidum* sensu Brock et al. [*New Phytol.* 181: 719-724 (2009)]

E: ! W: !

H: On soil or woody debris, often under churchyard *Taxus* but also found near *Pinus* and *Quercus*.

D+I:

Three British collections at K previously determined as *G. quadrifidum* (or cf. this) and sequenced by Brock et al. [*New Phytol.* 181: 719-724 (2009)] became the holotype and paratypes of this taxon. Collections (1994 onwards) at K, including some originally determined as *G. fornicatum*, from Breconshire (Llandefaelog Fach), East Norfolk (Surlingham), Herefordshire (Ashperton and Cusop), Monmouthshire (Abergavenny), North Somerset (Ashton Court), Radnorshire (Clyro, Glasbury, Llandeilo Graban and Nantmel), Shropshire (Ashford Carbonell), South Hampshire (Breamore), Surrey (Esher), West Norfolk (Cockley Cley and Rushford).

Gastrum pseudolimbatum Hollós, *Mathem. Természettud. Közlem.* 19: 507 (1901)

E: !

H: English collection on soil under conifers.

D+I: Sunhede (1989): 322-337

New record. A collection (2011) at K from Surrey (Shalford).

GLIOPHORUS Herink, *Sb. Nár. Mus. v Praze*, Rada B, Prír. Vedy 1: 80 (1958)

Type: *Gliophorus psittacinus* (Schaeff.) Herink, *Sb. severočeského Musea*, Historia Naturalis 1: 82 (1958)

euoperplexus Dentinger, A.M. Ainsw., & P.F. Cannon, in Ainsworth, Dentinger & Cannon, *MycKeys* 7: 55 (2013)

W: !

H: Welsh collections on soil in rough upland pasture or on earth hedgebank.

D+I:

New record. Collections (2011 & 2012) at K from Merionethshire (Cnicht, paratype) Pembrokeshire (Somerton Farm, holotype).

irrigatus (Pers.) A.M. Ainsw. & P.M. Kirk, *Index Fungorum* 23: 1 (2013)

Name changed from *Hygrocybe irrigata*.

laetus (Pers.) Herink, *Sb. severočeského Musea*, Historia Naturalis 1: 84 (1958)

Name changed from *Hygrocybe laeta*.

psittacinus (Schaeff.) Herink, *Sb. severočeského Musea*, Historia Naturalis 1: 82 (1958)

Name changed from *Hygrocybe psittacina*.

reginae Dentinger, A.M. Ainsw., & P.F. Cannon, in Ainsworth, Dentinger & Cannon, *MycKeys* 7: 50 (2013)

Hygrocybe sciophanoides var. *carneoviolacea* B. Lefebvre, *Docums Mycol.* 31(no. 121): 25 (2001)

E: ! W: !

H: On soil in unimproved short (grazed or mown) grassland.

D+I:

New record. Collections (1996 onwards) at K from Derbyshire (Edale and Woodlands Valley, paratypes), Pembrokeshire (Fishguard Cemetery, paratype and Somerton Farm), Staffordshire (Danebridge, paratype), Surrey (Roehampton), Worcestershire (Willow Bank, holotype and Bowcastle Farm, paratype).

GLOBULISEBACINA Oberw., Garnica & K. Riess, in Oberwinkler, Riess, Bauer & Garnica, *Mycol. Progr.* 13(3): 466 (2014)

Type: *Globulisebacina rolleyi* (L.S. Olive) Oberw., Garnica & K. Riess, in Oberwinkler, Riess, Bauer & Garnica, *Mycol. Progr.* 13(3): 466 (2014)

rolleyi (L.S. Olive) Oberw., Garnica & K. Riess, in Oberwinkler, Riess, Bauer & Garnica, *Mycol. Progr.* 13(3): 466 (2014)

Exidia rolleyi L.S. Olive, *Bull. Torrey bot. Club* 85: 95 (1958)
Efibulobasidium rolleyi (L.S. Olive) K. Wells, *Mycologia* 67(1): 152 (1975)

W: !

H: Welsh collection on dead attached *Malus* twig in garden.

D+I: FM 12(4): 132-134 (2011) (as *Efibulobasidium rolleyi*)

New record. A collection (2010) at K from Radnorshire (Glasbury) determined by P.J. Roberts.

Gloeophyllum abietinum (Bull.) P. Karst.,

E: ! S: !

H: On dead conifer wood including worked timber.

D+I:

Move from 'excluded' list. Re-assessed collections at K from Dumfriesshire (Ross Hill), East Norfolk (Norwich), Hertfordshire (Stocking Pelham) and West Sussex (Phillis Wood).

Hericum abietis (Weir ex Hubert) K.A. Harrison, *Can. J. Bot.* 32: 1208 (1964)

Hydnum abietis Weir ex Hubert, *Outline of forest pathology*: 305 (1931)

E: !

H: English collection on worked wood of *Pseudotsuga menziesii* bordering a car park.

D: FM 4(3): 101 (2003) **D+I:** FM 4(2): 66 (2003), FM 14(4): 139 (2013)

New record. A collection (2003) at K from West Kent (Sevenoaks) determined by N. Hallenberg. Sequenced and verified by Hallenberg et al. [*Mycol. Progr.* 12(2): 413-420 (2013)]. Probably on imported timber. The only European record of a N. American species.

Hydnum umbilicatum Peck, *Ann. Rep. Reg. N.Y. St. Mus.* 54: 953 (1902) [1901]

Mis.: *Hydnum rufescens* sensu auct. Brit. p.p.

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

H: On soil in woodland.

D+I: FM 12(4): 118-121 (2011)

New record. Collections (2011 onwards) at K supplemented by redeterminations by G.G. Kibby & A.D. Burnham of historical K collections filed as *H. rufescens*. Widespread in England but few records from elsewhere and likely to have been historically recorded as *H. rufescens*.

Hygrocybe irrigata (Pers.) Bon

Name changed to *Gliophorus irrigatus*.

Hygrocybe laeta (Pers.) P. Kumm.

Name changed to *Gliophorus laetus*.

Hygrocybe psittacina (Schaeff.) P. Kumm.

Name changed to *Gliophorus psittacinus*.

Hyphoderma nemorale K.H. Larss., *Nordic JI Bot.* 18(1): 123 (1998)

E: ! S: !

H: On dead wood and usually on small twigs.

D+I:

New record. A collection (1983) from Perthshire, originally determined as *H. roseocremeum*, was redetermined as this (paratype) and verified by interfertility testing by Larsson [*Nordic J Bot.* 18(1): 121-127 (1998)]. Two collections (2014) are at K from Surrey (Great Hurst Wood and Kew Gardens).

Hyphodontia incrustata Kotir. & Saaren., *Ann. bot. fenn.* 43(4): 304 (2006)

Mis.: *Hyphodontia sambuci* sensu auct. Brit. p.p.

E: ! W: !

H: British collections on stems of dead waterside plants (*Phragmites* and *Typha*).

D+I:

New record. A collection (2013) at K from Berkshire (Swinley Forest) supplemented by redeterminations of historical K collections from Pembrokeshire (Holyland Wood) and South-west Yorkshire (Potteric Carr) filed as *H. sambuci*. Likely to have been historically overlooked or recorded as *H. sambuci*, a species complex in need of further resolution.

Inocybe egenula J. Favre

S: !

H: Scottish collection on soil with *Dryas octopetala*.

D+I:

Move from 'excluded' list. A collection (2014) at K from West Sutherland (Tralligill).

Inocybe griseovelata Kühner

E: !

H: English collection on soil near *Tilia*.

D+I: FM 14(1): 18-19 (2013)

Move from 'excluded' list. A collection (2012) at K from West Gloucestershire (Bristol, Netham Park) was sequenced and determined by E. Larsson.

Irpex lacteus (Fr.) Fr.

E: !

H: English collections on burnt *Ulex* stems.

D+I:

Move from 'excluded' list. Collections (2012 onwards) at K from South Hampshire (New Forest, various sites).

Lactarius badiosanguineus Kühner & Romagn.

E: !

H: English collection on soil in turf under *Cedrus*.

D+I:

Move from 'excluded' list. A collection (2012) at K from Cumberland (Higham Hall).

Lactarius sanguifluus (Paulet) Fr.

E: !

H: English collection on grassy soil under *Pinus*.

D+I: FM 14(4): 128-130 (2013)

Move from 'excluded' list. A collection (2011) at K from North Hampshire (Winchester).

Lentinellus herbarum (Fr.) P.-A. Moreau, Guy García & P. Roux, *Mycol. Res.* 107(6): 758 (2003)

Lentinus flabelliformis var. *herbarum* Fr., *Epicr. syst. mycol.* (Upsaliae): 395 (1838) [1836-1838]

Mis.: *Lentinellus tridentinus* sensu BFF6 p.p.

E: ! S: !

H: On damp dead stems of *Chamerion angustifolium*.

D+I:

This is the British *Lentinellus* on dead willowherb (*Chamerion*) stems formerly misdetermined as *L. tridentinus*. A few collections (1952 onwards) at K and E but likely to have been overlooked. See FM 14(3): 105 (2013) and FM 14(4): 142 (2013) for further details.

Lentinellus tridentinus (Sacc. & P. Syd.) Singer

Move to 'excluded' list. Amend **Habitat** to: On dead woody stems. Replace **Notes** with: The British *Lentinellus* on dead willowherb (*Chamerion*) stems is *L. herbarum*.

Leptosporomyces crucelliger (Stalpers & Marvanová) Bernicchia & Gorjón, *Fungi europ.*, 12 Corticiaceae s.l.: 404 (2010)

Fibulomyces crucelliger Stalpers & Marvanová, in Marvanová & Stalpers, *Trans. Br. mycol. Soc.* 89(4): 496 (1987)

Taeniospora descalsii Marvanová & Stalpers, *Trans. Br. mycol. Soc.* 89(4): 494 (1987)

E: ! S: ! W: !

H: Sexual morph only known from laboratory cultures derived from *Taeniospora* conidia isolated from stream foam.

D+I:

Marvanová & Stalpers [*Trans. Br. mycol. Soc.* 89(4): 494 (1987)] reported that clamped conidia of the aquatic hyphomycete *Taeniospora descalsii* were collected (1983) from Caernarvonshire (Bryn Gefeiliu) and Devon (Glassy Steps). They also regarded a 'conidium of unknown basidiomycete' isolated from foam collected (1975) from West Perthshire (Ledard Burn) and illustrated in Ingold [*Am. J. Bot.* 66(2): 218-226 (1979)] as conspecific. It is also recorded from Mid-west Yorkshire (Hollow Gill Wood) and South Hampshire (New Forest).

Lindtneria hydroidea Bernicchia & Ryvarde, *Mycol. Res.* 102(4): 503 (1998)

E: !

H: English collection on underside of log on moss.

D+I:

New record. A collection (2014) at K from South Hampshire (New Forest).

Lyophyllum paelochroum Cléménçon, *Nova Hedwigia* 36(1): 126 (1982)

E: !

H: On soil near trees or shrubs.

D+I: FM 15(4): 129 (2014)

New record. Collections (2013 & 2014) at K from West Gloucestershire (Bristol, Clifton) and Surrey (Wisley Golf Club).

Melanoleuca pseudoluscina Bon, *Docums Mycol.* 10(nos 37-38): 89 (1980) [1979]

Melanoleuca rasilis var. *pseudoluscina* (Bon) Boekhout

W: !

H: Welsh collection on fixed sand dune with *Tortula*.

D+I: FM 15(4): 135-136 (2014)

Move from 'excluded' list (as *M. rasilis* var. *pseudoluscina*). A collection (2012) at K from Pembrokeshire (Stackpole Warren).

Mycena niveipes (Murrill) Murrill

Prunulus niveipes Murrill, *N. Amer. Fl.* (New York) 9(5): 332 (1916)

E: !

H: English collection on woody debris in broadleaved woodland.

D+I:

Move from 'excluded' list. A collection (2012) at K from Shropshire (Oswestry Racecourse).

Myriostoma coliforme (Dicks.) Corda, *Anleit. Stud. Mykol.*: 131 (1842)

Lycopodon coliforme Dicks., *Fasc. pl. crypt. brit.* (London) 1: 24 (1785)

Gastrum coliforme (Dicks.) Pers., *Syn. meth. fung.*: 131 (1801)

Polystoma coliforme (Dicks.) Gray, *Nat. arr. Brit. pl.* 1: 586 (1821)

Amended basionym authority and publication reference and consequent amendments to synonyms listed above.

Panaeolus antillarum (Fr.) Dennis

E: ! S: !

H: On rotting grass or herbivore dung (horse & elephant).

D+I:

Move from 'excluded' list. Collections (2002 & 2013) at K from Surrey (Esher) and Cheshire (Chester Zoo) and a collection (2006) at E from Midlothian (Edinburgh).

Parasola cuniculorum D.J. Schaf., *Field Mycology* 15(3): 83 (2014)

E: !

H: English collections on incubated rabbit dung.

D+I:

New record. Holotype collection (2011) at K from South-west Yorkshire (Hatfield Moor) with a paratype (2013) from South Hampshire mentioned in the original description. See FM15(3): 77-99 (2014) for further discussion.

Paxillus ammoniavirescens Contu & Dessì, in Dessì & Contu, *Micol. Veg. Medit.* 13(2): 123 (1999)

Paxillus validus C. Hahn, in Hahn & Agerer, *Nova Hedwigia* 69(1-2): 261 (1999)

E: !

H: On soil under broadleaved trees.

D+I: FM 15(4): 121-127 (2014)

New record. Collections (2004 onwards) from East Sussex (Flatropers Wood and Wakehurst Place) and Surrey and, when better known, expected to be much more widespread. See FM 15(4): 121-127 (2014) for further discussion on the taxonomy of the *Paxillus involutus* complex in Europe.

Paxillus cuprinus P. Jargeat, H. Gryta, J.P. Chaumeton & Vizzini, in Jargeat, Chaumeton, Navaud, Vizzini & Gryta, *Fungal Biology* 118: 27 (2014)

E: !

H: On soil under broadleaved trees, usually in open wooded sites (e.g. parks, gardens) and regarded as sun-loving.

D+I: FM 15(4): 121-127, back cover (2014)

New record. Collections (2014) from Middlesex (Hampstead Heath) and Surrey (Brookwood and Puttenham) and, when better known, expected to be much more widespread. See FM 15(4): 121-127 (2014) for further discussion on the taxonomy of the *Paxillus involutus* complex in Europe.

Paxillus vernalis Watling

Move to 'excluded' list.

Perenniporia medulla-panis (Jacq.) Donk

Move to 'excluded' list.

Phallus duplicatus Bosc, *Mag. Gesell. naturf. Freunde, Berlin* 5: 86 (1811)

Dictyophora duplicata (Bosc) E. Fisch.

E: !

H: On soil with woody litter in mixed woodland.

D+I: FM 13(3): 86-89 (2012)

Move from 'excluded' list (as *Dictyophora duplicata*). A collection (2011) at K from Mid-west Yorkshire (Moor Piece Woods).

Phlebia cretacea (Romell ex Bourdot & Galzin) J. Erikss. & Hjortstam, in Eriksson, Hjortstam & Ryvarden, *Cortic. N. Eur.* (Oslo) 6: 1105 (1981)

Peniophora cretacea Romell ex Bourdot & Galzin, *Hyménomyc. de France* (Sceaux): 288 (1928) [1927]

S: !

H: On fallen dead wood of *Pinus sylvestris*.

D+I:

New record. Collections (2012 onwards) at K from South Aberdeen.

Phlebia subcretacea (Litsch.) M.P. Christ.

S: !

H: On fallen dead wood of *Pinus sylvestris*.

D+I:

Move from 'excluded' list. Collections (2012 onwards) at K from South Aberdeen. First collection confirmed by K.-H. Larsson.

Phlebia subulata J. Erikss. & Hjortstam, *Cortic. N. Eur.* (Oslo) 6: 1175 (1981)

S: !

H: On fallen dead wood of *Pinus sylvestris*.

D+I:

New record. A collection (2013) at K from South Aberdeen (Lower Quoich Water).

Phlebiella subflavidogrisea (Litsch.) Oberw., *Bibliothca Mycol.* 61: 343 (1977)

Corticium subflavidogriseum Litsch., *Annls mycol.* 39(2/3): 127 (1941)

S: !

H: On fallen dead wood of *Pinus sylvestris*.

D+I:

New record. A collection (2012) at K from South Aberdeen (Luibeg).

Pholiota pityrodes (V. Brig.) Gröger, in Ludwig, *Pilzkompedium* (Eching) 1([2]): 545 (2001)

Agaricus pityrodes V. Brig., in Briganti & Briganti, *Hist. fung. Neapol.* (Neapoli): 128, tab. 42, fig. 1-3 (1844)

E: !

H: On leaf litter in swampy canalside with *Carex*, *Typha* and *Phragmites*.

D+I:

New record. A collection (2014) at K from Middlesex (Horsenden Hill).

Pluteus nothopellitus Justo & M.L. Castro, *Mycotaxon* 102: 222 (2007)

E: !

H: On dead wood of broadleaved trees.

D: FM 11(3): 99 (2010)

New record. A collection (2011) at K from Surrey (Kew Gardens). This is the predominant taxon in the British collections filed as *P. pellitus* at K fide G.G. Kibby [FM 11(3): 99 (2010)].

Polyporus tubaeformis (P. Karst.) Ryvarden & Gilb., *Syn. Fung.* (Oslo) 7: 578 (1993)

Polyporellus varius subsp. *tubaeformis* P. Karst., *Meddn Soc. Fauna Flora fenn.* 9: 69 (1882)

S: ! **NI:** !

H: On dead wood of broadleaved trees.

D+I:

New record. Collections (2012 & 2014) at K from Fermanagh (Big Dog Forest) and West Ross (Rhidorroch). Three Scottish collections (1997) from Kindrogan and Black Wood, previously assigned to *P. varius* and preserved in TENN, were sequenced and redetermined as this by Kruger et al. [*Mycol. Progr.* 5: 185-206 (2006)].

Psathyrella dicrani (A.E. Jansen) Kits van Wav.

E: ! **S:** !

H: On soil.

D+I:

Move from 'excluded' list. Collections (2004 onwards) at K from West Gloucestershire (Westonbirt Aboretum) and West Sutherland (Poulouriscaig).

Psathyrella hydrophiloides Kits van Wav., *Persoonia* 11(4): 488 (1982)

E: !

H: English collection on wood chips.

D:

New record. A collection (2011) at K from Surrey (Esher Common).

Ramaria fagicola R.H. Petersen

E: !

H: On soil.

D+I:

Move from 'excluded' list. A paratype collection (1930) from North-east Yorkshire (Mulgrave Woods) is at L and cited in the original description.

Russula amoenoides Romagn., *Russules d'Europe Afr. Nord.* 714 (1967)

E: !

H: English collections on soil under *Quercus* sp.

D+I:

New record. Collections (2011 onwards) at K from Buckinghamshire (Hodgemoor Wood and Stoke Common), Hertfordshire (Ashridge) and Middlesex (Hampstead Heath).

Russula arpalices Sarnari, *Boll. Assoc. Micol. Ecol. Romana* 11(nos 30-31): 12 (1994) [1993-1994]

W: !

H: Welsh collection on soil under *Populus tremula*.

D+I: FM 14(3): 93-95 (2013)

New record. A collection (2012) at K from Anglesey (Beaumaris).

Russula atroglaucia Einhell.

E: !

H: On soil with broadleaved trees.

D+I:

Move from 'excluded' list. Collections (1997 & 2014) at K from Cumberland (Keswick) and Middlesex (Kenwood).

Russula gilva Zvára, *Arch. Přírodov. Výzk. Čech.* 17(4): 94 (1927)

E: !

H: On soil under trees.

D+I:

New record. Collections (2010 & 2011) at K from Buckinghamshire (Stoke Common) and Hertfordshire (Ashridge).

Russula medullata Romagn.

S: !

H: On soil with *Salix herbacea*.

D+I:

Move from 'excluded' list. Collections (2003) at E from Mid Perthshire (Meall Ghaordie) and Westernness (Creag Megaidh).

Russula rubrocarminea Romagn., *Russules d'Europe Afr. Nord.* 480 (1967)

E: !

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

D+I:

Omitted from printed checklist. A collection (1999) at K from West Sussex (Ebernoe Common).

Russula versatilis Romagn., *Bull. mens. Soc. linn. Lyon* 31(1): 174 (1962)

E: !

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

D: FM12(4): 110 (2011)

New record. A collection (2011) at K from North Essex (The Lower Forest).

Sarcodon joeides (Pass.) Bataille, *Bull. Soc. mycol. Fr.* 39: 205 (1924)

Hydnum joeides Pass., *Nuovo G. bot. ital.* 4: 157 (1872)

E: !

H: English collections on soil near *Castanea sativa*, *Pinus sylvestris* and *Quercus* sp.

D+I:

New record. Collections (2008 & 2010) at K from Berkshire (Windsor Great Park).

Sistotrema binucleosporum Hallenb., *Mycotaxon* 21: 409 (1984)

S: !

H: Scottish collection on bark beneath fallen branch of *Pinus sylvestris*.

D+I:

New record. A collection (2012) at K from South Aberdeen (Glen Derry). The spores were slightly narrower than those of the original description.

Squamanita odorata (Cool) Imbach, *Mitt. naturf. Ges. Luzern* 15: 83 (1946)

E: !

H: On sandy soil with *Hebeloma mesophaeum*.

D+I: B&K4: 261 I: FM 14(2): 54, back cover (2013)

Move from 'excluded' list with amended authority and publication reference. A collection (2012) at K from Nottinghamshire (Lound). A historic British collection named thus (under *Pinus* in Scotland) was misdetermined and became instead the type of *Squamanita pearsonii*.

Stereopsis hircens (Berk. & Ravenel) D.A. Reid, *Beih. Nova Hedwigia* 18: 298 (1965)

Thelephora hircens Berk. & Ravenel, *Grevillea* 1(no. 10): 148 (1873)

W: !

H: Welsh collections on bare soil (e.g. stream bank) at woodland edges.

D+I: FM 13(3): 79-80 (2012)

New record. Apparently the first European collections (2007 & 2011) at K from Pembrokeshire (Wyndrush Pastures and Somerton Farm). The former was originally determined as *Podoscypha multizonata* and accepted at the time as a new Welsh record.

Trechispora minuta K.H. Larss., *The genus Trechispora (Corticaceae, Basidiomycetes)* 3: 15 (1992)

NI: !

H: Northern Irish collection on dead attached fern stems in hedgerow.

D+I:

Omitted from printed checklist. A collection (2004) at K from Derry (Raspberry Hill).

Trechispora subsphaerospora (Litsch.) Libert

S: !

H: Scottish collection on coniferous litter in mature plantation of *Abies*, *Larix*, *Picea* and *Pinus*.

D+I:

Included in printed checklist in error, based on a Kent collection of *T. microspora*, but now accepted based on a new collection (2013) at K from South Aberdeen (Mar Lodge Estate).

Tremella discicola Van de Put, *Sterbeekia* 24: 12 (2004)

E: !

H: English collection in hymenium of *Mollisia* sp. on umbellifer (possibly *Conium maculatum*).

D+I:

New record. A collection (2011) at K from North Hampshire (Odiham Common).

Tremella ramalinae Diederich, *Biblthca Lichenol.* 61: 152 (1996)

S: !

H: Scottish collection on thallus of *Ramalina fraxinea*.

D+I:

New record. A collection (2014) at K from East Ross (Tulloch Castle).

TRETOMYCES K.H. Larss., Kotir. & Saaren., in Kotiranta et al., *Ann. Bot. Fenn.* 48: 41 (2011)

Type: *Tretomyces lutescens* (J. Erikss. & Ryvarde) K.H. Larss., Kotir. & Saaren.

microsporus Kotir., Saaren. & K.H. Larss., in Kotiranta et al., *Ann. Bot. Fenn.* 48: 42 (2011)

S: !

H: Scottish collections on underside of *Calluna* stem and *Pinus* branch in pine woodland.

New record. Two collections (2010 & 2014) at K from Morayshire (Loch of Blairs and Culbin Forest), the former confirmed by K.-H. Larsson.

Tricholoma albobrunneum (Pers.) P. Kumm.

E: ? **S:** o

H: Scottish collections on soil with *Pinus*.

D+I:

Move from 'excluded' list. Collections (1964 onwards) at E and K from widespread Scottish localities.

Tricholoma bresadolani Cléménçon

Mis.: *Tricholoma murinaceum* sensu Bresadola [Icon. mycol. 2, pl. 88 (1927)]

NI: !

H: Northern Irish collection on soil in litter under *Quercus*.

D+I:

Move from 'excluded' list. A collection (2012) at K from Fermanagh (Crom Estate). Included by Cooke 82 (49) Vol.1

(1882) [as *Agaricus* (*Tricholoma*) *murinaceus*], and also listed by Rea (1922), apparently in the same sense as Bresadola.

Tubulicrinis confusus K.H. Larss. & Hjortstam, in Hjortstam & Larsson, *Mycotaxon* 26: 437 (1986)

S: !

H: On dead coniferous wood.

D+I:

New record. A collection (2014) at K from West Ross (Dundonnell Estate).

Tubulicrinis effugiens (Bourdote & Galzin) Oberw.

S: !

H: Scottish collections on fallen dead wood of *Pinus* sp.

D+I:

Move from 'excluded' list. Collections (2012 & 2013) at K from South Aberdeen (Glen Quoich).

UREDINIOMYCETES

Microbotryum coronariae (Liro) Denchev & T.T. Denchev, *Mycotaxon* 118: 54 (2011)

Ustilago coronariae Liro, *Ann. Acad. Sci. fenn.*, Ser. A 17(no. 1): 38 (1924)

E: ! **S:** ! **W:** ! **O:** Channel Isles: !

H: In anthers of *Silene* (*Lychnis*) *flos-cuculi*.

D+I:

A segregate of *Ustilago violacea* s.l. restricted to *S. flos-cuculi* with three collections (1960 onwards) at K from Guernsey (Claire Mare), West Lancashire (Gait Barrows) and West Ross (Loch Kishorn). There are also Welsh collections (2010 onwards) from Cardiganshire (Llyn Fanod) and Carmarthenshire (Blaenbyderynuchaf).

Microbotryum lagerheimii Denchev, *Mycol. Balcanica* 4(1-2): 64 (2007)

E: !

H: In anthers of *Silene uniflora* (= *maritima*).

D+I:

A segregate of *Ustilago violacea* s.l. detected in England by sequencing and analysis of pheromone receptor genes of a collection (2002) from North Somerset (Charterhouse) by Devier et al. [*Mycologia* 102(3): 689-696 (2010)]. Elsewhere in Europe, *M. lagerheimii* can also occur on *S. vulgaris* and so has an overlapping host range with *M. silenes-inflatae*. British collections on these hosts should be checked by DNA sequence comparisons.

Microbotryum scorzonerae (Alb. & Schwein.) G. Deml & Prillinger, in Prillinger, Deml, Dörfelt, Laaser & Lockau, *Bot. Acta* 104(1): 10 (1991)

Uredo tragopogonis *β scorzonerae* Alb. & Schwein., *Consp. fung.* (Leipzig): 130 (1805)

W: !

H: In anthers of *Scorzonera humilis*.

D+I:

New record. A collection (2014) at K from Glamorganshire (Cefn Cribwr).

Puccinia allii (DC.) F. Rudolphi, *Linnaea* 4: 392 (1829)

Xyloma allii DC., in de Candolle & Lamarck, *Fl. franç.*, Edn 3 (Paris) 5/6: 156 (1815)

Move to synonymy with *Puccinia porri*. Amend authority and basionym.

Puccinia argentata (Schultz) G. Winter

Move from synonymy of *P. impatientis* to head of entry.

Amend **D:** by deletion of: (as *Puccinia argentata*)

Puccinia asarina Kunze

E: !

H: III on naturalized *Asarum europaeum*.

D+I: FM 14(4): 136-138 (2013).

Move from 'excluded' list. Collections (2011 onwards) at K from Dorset (Abbotsbury). M.C. Cooke's (1866) Welsh collections named as this are of *Puccinia fergussonii* on *Viola palustris* [see FM 14(4): 136-138 (2013) for further discussion]. Reported on

Asarum for 'Britannia' by Sydow & Sydow [*Monographia Uredinearum* 1: 584 (1904)], but this is also based on Cooke's misapplication.

Puccinia distincta McAlpine

Move to synonymy of *P. lagenophorae* based on a recent phylogenetic analysis by Scholler et al. [*Mycol. Progress* 10: 175-187 (2011)].

Puccinia impatientis Ficin & C. Schub.

Move to synonymy of *P. argentata* (q.v.).

Puccinia komarovii var. **glanduliferae** R.A. Tanner, C.A.

Ellison, L. Kiss & H.C. Evans, *Index Fungorum* 190: 1 (2014)

E: !

H: 0, I, II & III on *Impatiens glandulifera*.

D+I: *Eur. J. Plant Pathol.* 141: 247-266 (2015)

New record. Deliberately released (derived from wild Himalayan stock) to control the invasive non-native *Impatiens glandulifera* by CABI following Defra approval gained in July 2014 and under licence from Natural England. By Sept. 2014, eight pre-infected plants had been planted out at each of three sites (Berkshire & Cornwall) and secondary infection was observed on nearby naturalised *I. glandulifera* at both Berkshire sites.

Puccinia komarovii var. **komarovii** Tranzschel ex P. Syd. & Syd., *Monogr. Uredin.* (Lipsiae) 1(3): 451 (1903) [1904]

E: !

H: II & III on leaves of *Impatiens parviflora*.

D+I:

New record. Collections (2013) at K from Hertfordshire (Ashridge) and Middlesex (Hampstead Heath).

Puccinia lagenophorae Cooke

H: I & III common on *Senecio squalidus* and *S. vulgaris*. 0, I & III on wild *Bellis perennis* and *Bellis* cultivars. Also known on *Calendula officinalis*, *Senecio jacobaea* and cultivated *Emilia* spp. and *Pericallis hybrida*.

Add *P. distincta* (q.v.) to synonymy. Amend entry for **H**.

Puccinia porri (Sowerby) G. Winter, *Rabenh. Krypt.-Fl.*, Edn 2 (Leipzig) 1.1: 200 (1881) [1884]

Uredo porri Sowerby, *Col. fig. Engl. Fung. Mushr.* (London) 3: pl. 411 (1810)

Amend authority and basionym. Add *Uromyces ambiguus* (q.v.) and corrected entry for *Puccinia allii* (q.v.) to synonymy.

Puccinia schroeteriana Kleb., *Z. PflKrankh. PflSchutz* 5: 261 (1895)

W: !

H: 0 & I on *Serratula tinctoria*. II & III on *Carex hostiana*.

D+I:

New record. A collection (2008) from Anglesey (Cors Bodeilio) confirmed by P. Zwetko.

Uromyces ambiguus (DC.) Lév. [*Nom. inval.*, Art. 35.2]

Move to synonymy with *Puccinia porri*.

Uromyces silphii (Syd. & P. Syd.) Arthur, *J. Mycol.* 13(5): 202 (1907)

Acidium silphii Syd. & P. Syd., *Ured. Exsic.*: no. 1546 (1901)

E: ! **W:** !

H: II on *Juncus tenuis*.

D+I:

New record. Welsh collections (2011 onwards) from Cardiganshire (Goginan and Lodge Park) and Carmarthenshire (Cwm Twrch). First specimen confirmed by H. Boyle. A collection (2012) at K from Berkshire (Windsor Crown Estate). Probably introduced with host rush and now spreading along tracks and paths.

USTILAGINOMYCETES

Antherospora tractemae Piątek & M. Lutz, in Piątek, Lutz, Smith & Chater, *IMA Fungus* 2(2): 139 (2011)

E: ! S: ! W: !

H: In anthers of *Scilla (Tractema) verna*.

D+I:

A segregate of *Ustilago vaillantii* s.l. based on DNA sequence evidence and apparently restricted to *S. verna*. Collections at K (1938 onwards) from Anglesey (Tre Gof), Ayrshire (Girvan), East Cornwall (Pentire Point), North Devon (Hartland Point), West Cornwall (Cadgwith and Mount's Bay), West Sutherland (Strathy Point) and Wigtownshire (Mull of Galloway). Patches of infected plants are conspicuous and can be abundant. To be expected wherever the host is found.

Anthracoidea inclusa Bref., *Unters. Gesammtgeb. Mykol.* (Liepzig) 12: 143 (1895)

S: !

H: In ovaries of *Carex rostrata*, *C. vesicaria* and their hybrid (*× involuta*).

D+I:

New record. Collections (2013) at K from Easternness (Abernethy Forest, Insh Marshes, Kincaig).

Anthracoidea lasiocarpae B. Lindeb., in Kukkonen, *Ann. bot. Soc. Zool.-Bot. fenn. Vanamo* 34(3): 85 (1963)

S: !

H: In ovaries of *Carex lasiocarpa*.

D+I:

New record. A collection (2013) at K from Easternness (Kincaig).

Entyloma eschscholziae Harkn. [as '*eschscholtziae*'], *Bull. Calif. Acad. Sci.* 1(no. 1): 40 (1884)

E: !

H: In leaves of cultivated *Eschscholzia (= Eschscholtzia) californica*.

D+I: *New Disease Reports* 28: 10 (2013)

New record. Collections (2012) at K from Shropshire (Tibberton on cv. Summer Sun) and Surrey (Kew Gardens Plant Family Beds). See Henricot et al. [*New Disease Reports* 28: 10 (2013)] for further discussion.

Entyloma fumariae J. Schröt., *Jber. schl. es. Ges. vaterl. Kultur* 61: 176 (1884)

O: Channel Islands: !

H: In leaves of *Fumaria* sp.

D+I:

New record. Collections (2013) at K from Jersey (Plémont) and Guernsey (Le Creux ès Faïes and Pleinmont).

Entyloma thalictri J. Schröt., in Cohn, *Krypt.-Fl. Schlesien* (Breslau) 3.1(17–24): 282 (1887) [1889]

E: !

H: In leaves of *Thalictrum flavum*.

D+I:

Omitted from printed checklist. A collection (19XX) at IMI from Norfolk (Ditchingham) and so in VC East Norfolk if North of R. Waveney.

PARVULAGO R. Bauer, M. Lutz, Piątek, Vánky & Oberw., *Mycol. Res.* 111(10): 1203 (2007)

Type: *Parvulago marina* (Durieu) R. Bauer, M. Lutz, Piątek, Vánky & Oberw., *Mycol. Res.* 111(10): 1203 (2007)

marina (Durieu) R. Bauer, M. Lutz, Piątek, Vánky & Oberw., *Mycol. Res.* 111(10): 1203 (2007)

Name changed from *Ustilago marina* following molecular phylogenetic analysis by authors of new combination.

Tilletia cerebrina Ellis & Everh., *J. Mycol.* 3(5): 55 (1887)

S: !

H: In ovaries of *Deschampsia*.

D+I:

New record. A Scottish collection (2012) from Clyde Isles (Isle of Bute).

Urocystis bolboschoeni Denchev, T. Denchev, Spooner & Legon, in Denchev, Denchev & Spooner, *Mycotaxon* 118: 249 (2011)

E: !

H: In leaves and leaf sheaths of *Bolboschoenus maritimus*. A new species described from three collections at K (2010–2011) from estuarine grassland in South Devon (Budleigh Salterton, Otter Estuary).

Urocystis pulsatillae (Bubák) Moesz, *A Kárpát-Medence Úszögombái.* 211 (1950)

Urocystis anemones f. *pulsatillae* Bubák, Arch. Přír. Výzk. Čech. 15(3):68 (1912)

E: !

H: In leaves of *Anemone pulsatilla (Pulsatilla vulgaris)*.

D+I: Vánky: 302–303, 334

New record. A collection (2012) at K from chalk grassland in Hertfordshire (Therfield Heath). Previously recorded as *U. anemones* and listed on pasqueflower in UBI (p. 42) citing Moore (1959). Moore (p. 397) provides a 1931 record of *U. anemones* on pasqueflower (as *A. pulsatilla*) in Sussex. However, this is outside the native range of the host and so possibly referred to a cultivated or introduced plant, but no voucher material has been traced.

Ustilago marina Durieu

Name changed to *Parvulago marina* (q.v.) and delete the following from **Notes:** N.B. Possibly not a member of the *Ustilaginales*; may be a *Cladochytrium* fide Liro [Ann. Bot. Soc. Zool.-Bot. Fenn. 'Vanamo' 6: 10 (1935)] or a *Melanotaenium* fide Lindeberg [Symb. Bot. Upsal. 16 (2): 124 (1959)].

Ustilentylooma fluitans (Liro) Vánky, *Microbiologia*, Bucuresti 1: 328 (1970)

Ustiloma fluitans Liro, *Ann. bot. Soc. Zool.-Bot. fenn. Vanamo* 6(no. 1): 11 (1935)

S: !

H: Scottish collection in leaves of *Glyceria fluitans*.

D+I: FM 15(1): 8 (2014)

New record. A collection (2011) at K from the Outer Hebrides (Eidhbbhat Tulach) confirmed by DNA sequencing by M. Lutz.

WALLEMIOMYCETES

WALLEMIA Johan-Olsen, *Skr. VidenskSelsk. Christiania*, Kl. I, Math.-Natur.(no. 12): 6 (1887)

Type: *Wallemia ichthyophaga* Johan-Olsen, *Skr. VidenskSelsk. Christiania*, Kl. I, Math.-Natur.(no. 12): 6 (1887)

sebi (Fr.) Arx, *Gen. Fungi Sporul. Cult.* (Lehr): 166 (1970)
Sporendonema sebi Fr., *Syst. mycol.* (Lundae) 3(2): 435 (1832)

E: ! S: ! NI: !

H: Isolated from various substrata particularly those of low water availability such as dehydrated, sugary or salted foodstuffs, aerial dust, hay, paper, soil and textiles.

D+I:

New transfer to the Basidiomycota. Several collections (1921 onwards) in IMI. The spores are highly allergenic and it has been implicated in human subcutaneous infections and respiratory disease. DNA analyses by Padamsee et al. [*Fungal Genet. Biol.* 49(3): 217–226 (2012)] support the hypothesis that *Wallemia* is the earliest diverging lineage of Agaricomycotina.

ADDITIONS & AMENDMENTS TO LIST OF ALIEN TAXA

BASIDIOMYCETES

Perenniporia meridionalis Decock & Stalpers, *Taxon* 55(3): 769 (2006)

Collections discovered at K during type studies of a polypore-inhabiting ascomycete (*Chaenothecopsis tigillaris*) collected from King's Cliffe church roof by Berkeley in 1864. Although *C. tigillaris* has apparently not been collected since, further collections of *P. meridionalis* from construction timbers and likely to have been made indoors were found at K from Hertfordshire (Leavesden), Northamptonshire (King's Cliffe), Surrey (Haslemere) and North Wiltshire (Lucknam Grove). All were misdetermined as *P. medulla-panis*, now in the 'excluded' list. See Hawksworth et al. [*The Lichenologist* 46(6): 729-735 (2014)] for further details.

Trametes cingulata Berk., *Hooker's J. Bot. Kew Gard. Misc.* 6: 164 (1854)

A single collection (1992) from Surrey (Kew, Royal Botanic Gardens) on a stump in the Princess of Wales Conservatory.

USTILAGINOMYCETES

Urocystis bulbocodii Vánky, *Svensk Bot. Tidskr.* 69(2): 102 (1975)

Recorded (as *U. colchici*) on imported corms of *Bulbocodium vernum* (= *Colchicum bulbocodium*) in 1929 and 1937 (Moore 1959) but no voucher material has been traced.

ADDITIONS & AMENDMENTS TO LIST OF EXCLUDED TAXA

BASIDIOMYCETES

abietinum (Bull.) P. Karst., *Gloeophyllum*
Move to 'included' list.

albobrunneum (Pers.) P. Kumm., *Tricholoma*
Move to 'included' list.

antillarum (Fr.) Dennis, *Panaeolus*
Move to 'included' list.

atroglauca Einhell., *Russula*
Move to 'included' list.

bresadolanium Cléménçon, *Tricholoma*
Move to 'included' list.

cinnamomea (Jacq.) Murrill, *Coltricia*
Move to 'included' list.

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

dicrani (A.E. Jansen) Kits van Wav., *Psathyrella*
Move to 'included' list.

duplicata (Bosc) E. Fisch., *Dictyophora*
Move to 'included' list as synonym of *Phallus duplicatus*.

effugiens (Bourdot & Galzin) Oberw., *Tubulicrinis*
Move to 'included' list.

egenula J. Favre, *Inocybe*
Move to 'included' list.

eruciformis (Batsch) D.A. Reid, *Calathella*
Move to 'included' list.

fagicola R.H. Petersen, *Ramaria*
Move to 'included' list.

griseovelata Kühner, *Inocybe*
Move to 'included' list.

helobius Romagn., *Cortinarius*
Move to 'included' list.

irregularis (Fr.) Fr., *Cortinarius*, *Epicr. syst. mycol.* (Upsaliae): 310 (1838) [1836-1838]
Published as British online and in the national press but subsequently redetermined as *C. nolaneiformis* (q.v.).

lacteus (Fr.) Fr., *Irpex*
Move to 'included' list.

luridus var. rubriceps (Maire) Dermek, *Boletus*
Move from 'included' list. A collection in K supporting its British status (Berkshire) and inclusion in BFF1 (rev.) was sequenced and redetermined as *B. mendax* (q.v.).

macrodon Pers., *Hydnum*
Move from 'included' list (as synonym of *Bankera fuligineoalba*). This is a *nomen dubium fide* Donk [*Persoonia* 2(2): 233-234 (1962)], possibly *Mucronella* sp.

medulla-panis (Jacq.) Donk, *Perenniporia*
Move from 'included' list. Historical British specimens at K now redetermined, mostly as *Schizopora* spp., but those on worked timbers represent *Perenniporia meridionalis* (q.v.), an alien not previously recorded from Britain.

medullata Romagn., *Russula*
Move to 'included' list.

menieri (Boud.) Singer, *Gloiocephala*, *Sydowia* 14: 272 (1960)
Name changed from *Marasmius menieri*. Replace last sentence of Notes with: British collections of this species at K are now filed under *Gloiocephala cornelii* but require re-examination as few were found on *Cladium*.

metachroides Harmaja, *Karstenia* 10: 99 (1969), *Clitocybe*
Published as British in Editorial of FM 14(1): 2 (2013) but subsequently shown to be misdetermined *Clitocybe amarescens* in FM 14(2): 39-40 (2013).

niveipes (Murrill) Murrill, *Mycena*
Move to 'included' list.

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

odorata (Cool) Imbach, *Squamanita*
Move to 'included' list.

rasilis var. pseudoluscina (Bon) Boekhout,
Move to 'included' list as *Melanoleuca pseudoluscina* Bon.

regius Krombh., *Boletus*
Move from 'included' list. Following redeterminations of British material based on morphological characters (A. Hills), a single British collection in K from South Hampshire (New Forest, Ashurst) remained to support its British status. The ITS sequence obtained from this material did not match that of authentic *B. regius* (unpubl.).

sanguifluus (Paulet) Fr., Lactarius
Move to 'included' list.

squalina (Fr.) M.P. Christ., Mycoacia
Replace notes with: A much confused name, see Nakasone [*Sydowia* 61: 275 (2009)]. Sensu Rea (1922) and the only collection (1973) so named at K is *Mycoaciella bispora*; sensu Fries is *Cerrena unicolor fide* Romell; sensu auct. is *Dentipellis fragilis* or *Mucronella* sp.

subcretacea (Litsch.) M.P. Christ., Phlebia
Move to 'included' list.

subfuscoflavida (Rostk.) Cooke, Poria
A *nomen dubium* lacking type material. Sensu Berkeley (collections at K det. as *Polyporus subfuscus-flavidus* subsequently redet. as *Perenniporia medulla-panis*), Cooke, Masee, Rea and Stevenson based on collections from church roof beams is *Perenniporia meridionalis* (q.v. in the "included alien" list).

torosus Fr. & Hök, Boletus
Move from 'included' list. Collections in K supporting its British status (Isle of Wight and South Devon) and inclusion in BFF1 (rev.) were sequenced and redetermined as *B. rhodopurpureus* (yellow colour forms) (unpubl.).

tridentinus (Sacc. & P. Syd.) Singer, Lentinellus
Move from 'included' list. British collections on dead stems of *Chamaerion angustifolium* are redetermined as *Lentinellus herbarum* (q.v.).

truncatus (Quél.) Donk, Clavariadelphus
Move from 'included' list. The 1924 collection in K from Worcestershire (Shrawley Wood) supporting its British status was redetermined as *C. pistillaris* on morphological criteria by Spooner & Ainsworth [*Field Mycology* 15(2): 51-52 (2014)].

umbratilis (Fr.) Redhead, Lutzoni, Moncalvo & Vilgalys, Arrhenia
Move to 'included' list.

vernalis Watling, Paxillus
Move from 'included' list. The collection reported in FM 9(1): 3-4 (2008) was subsequently redetermined as *Paxillus obscurisporus*. See FM 15(4): 121-127 (2014) and references cited therein for further discussion.

xanthocyaneus (Ramain) Romagn., Boletus
Move from 'included' list. Collections in K supporting its British status and inclusion in BFF1 (rev.) were sequenced and redetermined as *B. rhodopurpureus* (yellow colour forms) (unpubl.).

UREDINIOMYCETES

asarina Kunze, Puccinia
Move to 'included' list.

USTILAGINOMYCETES