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ANNOTATED LIST OF NON-POROID APHYLLOPHORALES OF BELARUS

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Abstract: A cumulative list of 281 species known from Belarus, with non-poroid hymenophores and belonging to the order Aphyllophorales, is presented. Data based on literature sources (since 1889) and on examined herbarium material (mostly MSK fungal collections, 1924, 1950–2002) are included. Each species is accompanied by brief information on nomenclature, about when it was first reported from Belarus, about distribution in physiographic regions of Belarus, pattern of nutrition and, in some cases, by remarks on morphology. Thirty-seven species are reported for the first time from Belarus. Based on the study of the holotype of *Athelia subtessulata* var. *efibulata*, this taxon is synonymized with *Phanerochaete avellanea*.

Keywords: aphyllophoroid fungi, distribution, nomenclature, taxonomy

Introduction

Definition of non-poroid taxa. This paper deals with fungi included in the order *Aphyllophorales* Rea following Donk (1964). The list includes all homobasidiomycetes which lack a regularly forming, typical pore-like hymenophore, but which sometimes have reticulate, folded or veined, *Irpex*-like or false-lamellate hymenophores (as in *Meruliopsis*, *Cantharellus*, *Irpex* and *Schizophyllum* respectively), or false, "cyphelloid" pores (as in *Porotheleum*). The "cyphelloid" genus *Merismodes* now classified in the Cortinariales, the "agaricoid" genus *Lentinellus* now classified in the Hericiales, and the lamellate genus *Plicaturopsis* now thought to have affinity with *Schizophyllum* (Hawksworth *et al.*, 1995) are also included. Thus all polyporoid fungi *sensu lato* are excluded. The genus *Tulasnella* having an intermediate position between homo- and heterobasidiomycetes was however included because of the typically corticioid macroscopic shape of its basidiomata.

This work is the first cumulative list of this group of fungi recorded from Belarus since 1889, with geographical distribution data for species and information on synonyms used by investigators in Belarus.

Collections studied. The basis of this study is collections from the V.F. Kuprevich Institute of Experimental Botany Herbarium, section "Fungi" (**MSK–F**), critically revised by the author. The main collectors contributing material of these fungi to that herbarium are E.O. Yurchenko, E.P. Komarova and A.I. Golovko (Klimovich). Information on specimens from other collectors is also included in the present list. Among these, earlier collectors include G.I. Serzhanina, O.S. Gapienko, I.I. Zmitrovich, V.S. Komarov, V.P. Savich (Savicz), N.A. Novikov, N.V. Gorbach (Semenova) and Z.V. Zakharova, and more recent collectors include N.G. Kordiyako, D.I. Tret'yakov, D.B. Belomesyatseva, Ye.N. Rotkina, M.P. Mlynarchik, A.I. Rubchenya, A.N. Skuratovich and V.A. Metelitsa. Several specimens from the V.L. Komarov Botanical Institute Herbarium (St. Petersburg, **LE**) collected in Belarus were also studied.

Format of the list. Each species entry contains the following sequence of data separated by the markers "/" or "–":

Latin name and place of publication. – Synonym(s) under which the species was published in literature on fungi of Belarus or synonym(s) used on MSK herbarium labels, sometimes also other widely used names (e.g. *Macrotyphula juncea* for *Clavariadelphus junceus*); names having different basionyms being separated by ";". – Anamorph name / number of herbarium specimens studied by the author (or the reference herbarium number if only one specimen was studied) / the earliest date of collection for the specimens studied / the first bibliographic source where the species was reported for Belarus / distribution in natural (physiographic) districts of Belarus / type of nutrition.

New species for Belarus are marked by an asterisk (*) before the name. Specimens under the same MSK number, but with different suffix letters (a, b, etc.) were assessed separately. For checking nomenclature CORTBASE Vers. 1.4 (Parmasto, 1997) was used for corticioid taxa, the monograph by Kõljalg (1996) for tomentelloid fungi and key-book "Nordic macromycetes" (Hansen & Knudsen, 1997) for other taxa. The author has added to these a series of corrections and additions. Pre-Friesian names are listed through the sanctioning author's citation, except for *Athelia epiphylla* and *Corticium roseum*, where only the species epithet was sanctioned.

For mode of fungus nutrition the following acronyms were used: **S** – saprobic (on wood, litter, herbs, mosses, other fungi, humus and occasionally mineral substrata – sand, clay), **E** – ectomycorrhizal and **P** – parasitic (on woody plants, herbs, bark-inhabiting mosses, lichens and algae). When nutrition type based on observations in Belarus was unclear, the following acronyms were used: **W** – in trunk wounds and cankers, **RD** – on recently dead wood and bark, **B** – on bark of living trunks (including bark near ground-level) and living branches, **LM** – probably epiphytic on living and dying parts of mosses and liverworts, **LF** – probably non-parasitic on another living fungal organisms, including lichens, **(S)** – on soil, possibly ectomycorrhizal.

For the description of species distribution we used numbered physiographic districts following Dzyaments'eu (1975; fig. 1), and the following conventions: normal type, e.g. '20' – record(s) from a district confirmed by herbarium specimens (MSK, LE); italic, e.g. '*20*' – probable locations of record from the border of two districts or having insufficient information about exact geographic location; with asterisk, e.g. '20*' and '*20**' – a record known from literature only. Literature sources with data on fungi found in Verkhne-

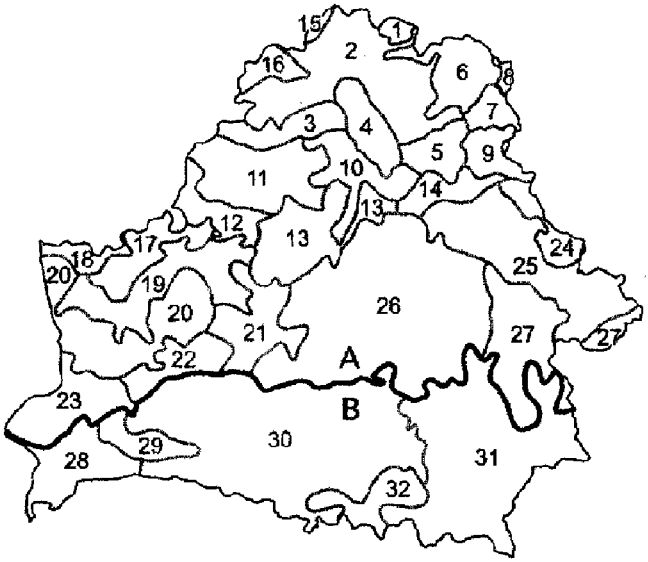

Fig. 1. Physiographic divisions of Belarus. A – boreo-nemoral subzone, B – nemoral (sub)zone. Districts: 1 – Neshchardauskae (Neshcharda) Elevation, 2 – Polatskaya (Polatsk) Lowland, 3 – Svyantsyanskiya (Svyantsyany) Moraine Ridges, 4 – Ushatska-Lepel'skae (Ushachy-Lepel') Elevation, 5 – Chashnitskaya (Chashniki) Plain, 6 – Nevel'ska-Haradotskae (Nevel-Haradok) Elevation, 7 – Vitsebskae (Vitsebsk) Elevation, 8 – Surazhskaya (Surazh) Lowland, 9 – Lowland of Luchosa, 10 – Verkhnebyarezinskaya (Upper Byarezina) Lowland, 11 – Narachana-Vileiskaya (Narach-Vileika) Lowland, 12 – Ashmyanskae (Ashmyany) Elevation, 13 – Minskae (Minsk) Elevation, 14 – Arshanskae (Orsha) Elevation, 15 – Lathal'skae Elevation, 16 – Braslauskae (Braslau) Elevation, 17 – Lidskaya (Lida) Plain, 18 – Syarednenyomanskaya (Middle Nyoman) Lowland, 19 – Verkhnyanyomanskaya (Upper Nyoman) Lowland, 20 – Southwest branch of Belarusian Moraine Ridge, 21 – Kapyl'skaya (Kapyl') Moraine Ridge and adjacent plains, 22 – Baranavitskaya (Baranavichy) Plain, 23 – Prybuhskaya (Near-Buh) Plain, 24 – Horatska-Mstsislauskaya (Horki-Mstsislau) Plain, 25 – Arshanska-Mahilyouskaya (Orsha-Mahilyou) Plain, 26 – Tsentral'nabyarezinskaya (Central Byarezina) Plain, 27 – Chachorskaya (Chachora) Plain, 28 – Brestskae (Brest) Palesse, 29 – Zaharoddze, 30 – Prypyatskae (Prypyats') Palesse, 31 – Homel'skae (Homel') Palesse, 32 – Mazyrskae (Mazyr) Palesse.

Dneprovskii (Upper Dnieper) floristic district (see Nikolajeva, 1961; fig. 2) or indicating the fungus spreading "commonly over the forest zone of East Europe" and so containing non-precise information about species finds in Belarus are given in italics: e.g. *Davydkina (1980)*. It should be noted that the information in Nikolajeva (1961) is accompanied by very approximate maps of distribution. In such cases the "valid" report of the species for Belarus is the source added on the second place in the line.

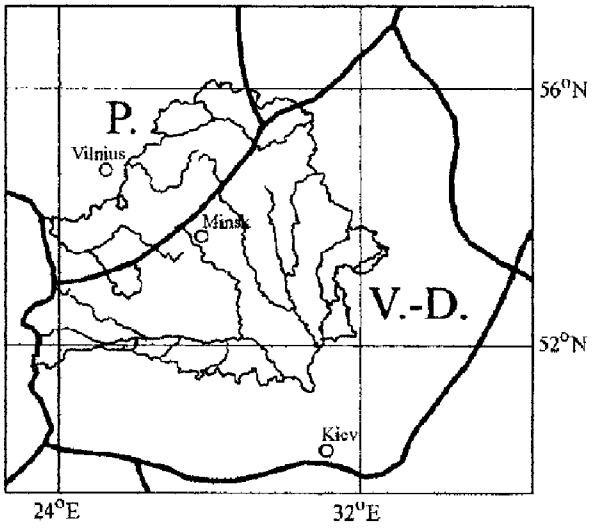

Fig. 2. Comparison of the Republic of Belarus and Verkhne-Dneprovskii (Upper Dnieper, **V.-D.**) floristic district boundaries. **P.** – Pribaltiiskii (Near-Baltic) floristic district.

List of species

1. **Acanthophysellum cerussatum** (Bres.) Wu, Boidin & Chien, Mycotaxon 76: 160, 2000. – *Aleurodiscus cerussatus* (Bres.) Höhn. & Litsch. / 4 / 30 Jun 1997 / Yurchenko (2000d) / *19*, 30, 32 / S.

In MSK 5505 well-pronounced acanthohyphidia are absent, but hyphidia with dendroid apices are present. Other specimens have atypically small spores, 6.3–8.5 × 3.5–5 μm.

2. **Amaurodon viridis** (Alb. & Schwein. : Fr.) J. Schröt. in Cohn, Krypt.-Fl. Schles. 3 (1): 461, 1888 /// Kõljalg (1996) / *23** / S.

3. **Amphinema byssoides** (Pers. : Fr.) J. Erikss., Symb. Bot. Upsal. 16 (1): 113, 1958 / 54 / 16 Aug 1956 / Komarova (1966) / 2, 10, *12*, 13, 21, 26, 30 / S, E, B, LM, LF.

4. **Amylocorticium subincarnatum (Peck)** Pouzar, Česká Mykol. 13 (1): 11, 1959 / MSK 3993 / Oct 1969 / Komarova (1966) / 10, 23* / S.

5. **Amylostereum areolatum** (Chaillet ex Fr. : Fr.) Boidin, Rev. Mycol. (Paris) 23: 345 (1959) / 2 / 11 Jul 1998 / *Davydkina (1980)*, Golovko (1988) / *3**, 10, *13** / S, LM.

6. **Amylostereum chailletii** (Pers. : Fr.) Boidin, Rev. Mycol. (Paris) 23: 345, 1959 / 2 / 21 Oct 1964 / Komarova (1966) / 10, 14, 30* / S.

7. **Amylostereum laevigatum** (Fr. : Fr.) Boidin, Rev. Mycol. (Paris) 23: 345, 1959 / 2 / 28 Jun 1997 / *Davydkina (1980)*, Yurchenko (2000a) / 10, 23 / S.

8. **Aphanobasidium pseudotsugae** (Burt) Boidin & Gilles, Cryptog. Bot. 1: 75, 1989. – *Phlebiella pseudotsugae* (Burt) K.H. Larss. & Hjortstam / 7 / 28 May 1997 / Yurchenko (2000a) / 10 / S.

9. **Asterodon ferruginosus** Pat., Bull. Soc. Mycol. France 10: 130, 1894 / 2 / 21 Oct 1964 / Komarova & Golovko (1965) / 2*, 10, 19*, 23*, 26*, 30* / S.

10. **Athelia arachnoidea** (Berk.) Jülich, Willdenowia, Beih. 7: 53, 1972 / 6 / 27 Aug 1995 / Yurchenko (2000d) / 4, 10, 13, *18* / S, P.

The species commonly develops in a sterile state lacking hymenium and spores, and so can not be identified with confidence, except when it forms characteristic "mycelial rings" or lesions in algal and lichen cover.

11. **Athelia binucleospora** J. Erikss. & Ryvarden, Cort. N. Eur. 2: 105, 1973 / MSK 4522 / 11 Jul 1998 / Yurchenko (2000a) / 10 / S.

The specimen has ovoid spores with maximum width in the middle or towards the apex, (3.5) 5–6.3 × (2.3) 3–4 µm, basidia 13–16 × 5 µm, and basal hyphae 2.5–6.5 µm wide.

12. **Athelia decipiens** (Höhn. & Litsch.) J. Erikss., Symb. Bot. Upsal. 16 (1): 86, 1958; *A. griseoalba* Parmasto / MSK 3891/ 22 Sep 1963 / Komarova (1966) 'grisio-alba' / 26 / S.

The specimen has spores 3.5–5.5 × 2.5–3 µm.

13. **Athelia epiphylla** Pers., Mycol. Eur. 1: 84, 1822. – *Thelephora epiphylla* Pers. : Fr., Elench. fung. 1: 226, 1828 / 9 / 11 Jul 1998 / Komarova (1966) / 10, 13, 21, 23, 26* / S, LM, LF.

Those specimens where spores are absent or very scarce, with scattered clamps only on basal hyphae and, frequently, hymenium consisting of basidioles, are treat under the epithet: **Athelia epiphylla** complex / 16 / 21 Oct 1964 / Yurchenko (2000a) / 10, 12 / S, LM, LF.

14. **Athelia ovata** Jülich, Willdenowia, Beih. 7: 106, 1972 / 3 / 28 May 1997 / Yurchenko (1998b) sub nom. *A.* aff. *ovata* / 10 / S, LM, LF.

Specimens MSK 4051 and 4066 with smaller spores, (4.5) 5.5–7 (8) × (2.3) 2.5–3.5 (4) µm, longer and narrower basidia, 11–20 (22.5) × (3.5) 4–6 µm, and hyphae narrower, 2–4 (6.5) µm, than in typical *A. ovata* are listed under the name *A.* aff. *ovata* (Yurchenko, 1998b; 2001a).

15. **Athelia salicum** Pers., Mycol. Eur. 1: 84, 1822. – *Athelia incrustata* M.P. Christ. / MSK 4335 / 13 Nov 1997 / Komarova (1966) / 10 / S.

16. **Auriscalpium vulgare** Gray, Nat. arr. Br. pl. 1: 650, 1821 / 2 / 12 May 1984 / *Nikolajeva (1961)*, Komarova & Golovko (1965) / 10*, *11*, *13*, 23* / S.

17. **Bankera fuligineoalba** (Schmidt : Fr.) Pouzar, Česká Mykol. 9: 96, 1955. – *Sarcodon fuligineo-albus* (Schmidt : Fr.) Quél. / 2 / 23 Aug 1973 / Komarova & Golovko (1965) / 10, *11**, 26*, 30 / E, LM.

18. **Bankera violascens** (Alb. & Schwein. : Fr.) Pouzar, Česká Mykol. 9: 96, 1955. – *Hydnum violascens* Alb. & Schwein. : Fr. – *H. cinereum* Bull. : Fr. non Batsch : Pers. /// Kuprevich (1931a) / 13* / E.

19. **Basidioradulum radula** (Fr. : Fr.) Nobles, Mycologia 59: 192, 1967. – *Radulum orbiculare* Fr. ex Grev. / 4 / 15 Nov 1992 / Wyssotzky *et al.* (1925) / 2*, 4*, 6*, 10, 13, 26, 27* / S.

20. **Botryobasidium candicans** J. Erikss., Svensk Bot. Tidskr. 52 (1): 6, 1958. – *Haplotrichum capitatum* (Link : Fr.) Willd., Sp. pl. 6 (1): 52, 1824 nom. anam. / 8 / 21 Sep 1963 / Yurchenko (1998c) / 10, 26 / S.

First collection and report of anamorph: 29 May 1997 (MSK 4056) / Yurchenko (1998c).

21. **Botryobasidium laeve** (J. Erikss.) Parmasto, Eesti NSV Tead. Akad. Toim. Biol. 14 (4): 220, 1965 / 8 / 11 Jul 1998 / Komarova (1966) / 10, 13, 14, 26* / S, LM.

Under this epithet specimen MSK 5109 with some basal hyphae loosely encrusted is also to be listed.

22. **Botryobasidium medium** J. Erikss., Symb. Bot. Upsal. 16 (1): 54, 1958. – *Haplotrichum medium* (Hol.-Jech.) Hol.-Jech., Česká Mykol. 30 (1): 4, 1976 nom. anam. / 3 / 28 May 1997 / Yurchenko (1998b) sub nom. *B.* aff. *medium* / 10 / S.

First collection and report of anamorph: 28 May 1997 (MSK 4075) / Yurchenko (1998c). MSK 4078 differs from the species concept because of small, short navicular or broadly fusiform-ellipsoid basidiospores, (5.5) 6.5–9 × (3.7) 4–5.5 µm.

23. **Botryobasidium subcoronatum** (Höhn. & Litsch.) Donk, Meded. Ned. Mycol. Ver. 18–20: 117 (1931) / 13 / 10 Jul 1998 / Komarova (1966) / 10, 13, 26*, *30** / S, LM.

24. **Botryobasidium vagum** (Berk. & M.A. Curtis) D.P. Rogers, Stud. Nat. Hist. Iowa Univ. 17 (1): 17, 1935; *B. botryosum* (Bres.) J. Erikss. / 3 / 7 Sep 1960 / Komarova (1966) / 2, 10 / S.

MSK 3897 differs from the species concept in having small basidia, 14–18 × 8–9 µm, and small spores, 7.5–9 × 3.3–3.5 µm. In MSK 4453 spores 7–11.5 × 3.7–4.5 µm.

25. **Botryohypochnus isabellinus** (Fr. : Fr.) J. Erikss., Svensk Bot. Tidskr. 52 (1): 2, 1958 / 5 / 21 Sep 1963 / Komarova (1966) / 4, 10, 19*, 26, 30 / S.

26. **Brevicellicium olivascens** (Bres.) K.H. Larss. & Hjortstam, Mycotaxon 7 (1): 119, 1978; *Grandinia mutabilis* (Pers.) Bourdot & Galzin / 10 / 29 Jun 1995 / Yurchenko (2000d) / 10, 12, 13, *14*, 31 / S, LM.

27. **Byssocorticium atrovirens** (Fr. : Fr.) Bondartsev & Singer ex Singer, Mycologia 36 (1): 69, 1944. – *Corticium atrovirens* (Fr. : Fr.) Fr. / MSK 3902 / 31 Aug 1966 / Komarova *et al.* (1968) / 23 / S.

28. **Byssomerulius albostramineus** (Torrend) Hjortstam, Windahlia 17: 56, 1987; *Merulius rubicundus* Litsch. – *Byssomerulius rubicundus* (Litsch.) Parmasto / 4 / 19 Aug 1956 / Komarova (1965) / 30 / S.

We did not find any differences of taxonomic value between *B. rubicundus* and *B. albostramineus* and treat them as synonyms following Jülich (1984) and Domański (1988).

29. **Byssomerulius corium** (Pers. : Fr.) Parmasto, Eesti NSV Tead. Akad. Toim. Biol. 16 (4): 383, 1967. – *Merulius corium* (Pers. : Fr.) Fr. / 10 / 8 Oct 1969 / Komarova (1965) / 10, 12, 13, 19*, 23, 24, 28, *30** / S.

30. **Cantharellus cibarius** Fr. : Fr., Syst. mycol. 1: 318, 1821 / 2 / 3 Aug 1957 / Lebedeva (1925b) / widespread and common, e.g. *11*, *13**, *20**, 23*, 26* / E.

31. **Cantharellus cinereus** Pers. : Fr., Syst. mycol. 1: 320, 1821. – *Craterellus cinereus* (Pers. : Fr.) Pers. / 3 / 30 Sep 1978 / Yurchenko (2002) / 13, 26 / E.

32. **Cantharellus tubaeformis** Bull. : Fr., Syst. mycol. 1: 319, 1821 'tubiformis'. – *C. tubaeformis* var. *lutescens* Fr. – *C. lutescens* (Pers. : Fr.) Fr. / MSK 3738 / 23 Sep 1964 / Serzhanina & Zmitrovich (1986) / 23 / E.

This species was also reported from north part of Belarus, without precise information on localities (Kolmakov, 2002).

33. **Ceraceomyces eludens** K.H. Larss. in K.H. Larss. & E. Larss., Folia Crypt. Est. 33: 74, 1998; *C. sublaevis* (Bres.) Jülich sensu Jülich (nom. conf.) / 4 / 13 Nov 1997 / Yurchenko (2000a) / 10, 14 / S.

On some labels the incorrectly used epithet for *C. eludens* and *C. microsporus* is *Athelia sublaevis* (Bres.) Parmasto, now synonymized with *Metulodontia nivea* (P. Karst.) Parmasto.

34. **Ceraceomyces microsporus** K.H. Larss. in K.H. Larss. & E. Larss., Folia Crypt. Est. 33: 75, 1998; *C. sublaevis* (Bres.) Jülich sensu Jülich (nom. conf.) / 10 / 10 Nov 1997 / Yurchenko (2000a) / 2, 10, 14 / S, LM.

35. **Ceraceomyces serpens** (Tode : Fr.) Ginns, Canad. J. Bot. 54 (1–2): 147, 1976. – *Merulius serpens* Tode : Fr.; *M. porinoides* Fr. : Fr. / 3 / 14 Aug 1956 / Komarova (1965) / 10, 19, 23*, 26*, 30 / S.

The specimen MSK 4448 has cylindrical to slightly sigmoid or *Botryobasidium*-like spores, narrowed towards the tip and smaller than in typical *C. serpens*, (4.5) 5.5–7.5 (9) × 2.5–3 (3.3) μm.

36. **Ceraceomyces sulphurinus** (P. Karst.) J. Erikss. & Ryvarden in J. Erikss. *et al.**, Cort. N. Eur. 5: 895, 1978. – *Phanerochaete sulphurina* (P. Karst.) Budington & Gilb. / 1 (MSK 3952) / 21 Sep 1963 / Komarova (1966) / 26 / S.

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* J. Erikss. *et al.* = J. Erikss., Hjortstam & Ryvarden

37. **Ceraceomyces violascens** (Fr. : Fr.) Jülich, Willdenovia, Beih. 7: 162, 1972. – *Athelia violascens* (Fr. : Fr.) Donk /// Komarova (1966) / 2* / S.

38. **Ceratobasidium cornigerum** (Bourdot) D.P. Rogers, Stud. Nat. Hist. Iowa Univ. 17 (1): 5, 1935 / 8 / 4 Jun 1994 / Yurchenko (1998b) / 10, 12, 21 / S, LM.

39. ***Ceratobasidium** aff. **pseudocornigerum** M.P. Christ, Dansk Bot. Ark. 19 (2): 46, 1959 / MSK 4112 / 14 Jul 1997 // 10 / S.

The fungus occurs on dead stem bases of *Chamerion angustifolium*, with hyphae (3.5) 4–7 (11.5) μm wide, basal ones hyaline to brownish, smooth or loosely to heavily encrusted; basidia 12–15 × 7–9 μm; spores navicular, allantoid, elongated navicular to slightly sigmoid, 7–12.5 × (2.5) 3–4 μm, content with an almost central, sometimes elongated drop.

40. ***Ceratobasidium** aff. **ramicola** C.C. Tu, D.A. Roberts & Kimbr., Mycologia 61 (4): 781, 1969 / MSK 8059 / 4 Oct 2000 // 21 / P.

The fungus occurs on needles of *Juniperus communis*. Basidioma very thin, white, porulose-discontinuous, from the both leaf sides. This specimen differs from North American species *C. ramicola* in having basidia 10–14 × 6.5–8.5 μm, with 2–4 sterigmata *ca* 9–10 × 1.7 μm when maximally elongated, and narrow hyphae 3.3–7 μm. The ellipsoid to short cylindrical basidiospores 5–7 (8.5) × (2.5) 3–6 μm are smaller than in *C. cornigerum*.

41. **Chondrostereum purpureum** (Pers. : Fr.) Pouzar, Česká Mykol. 13 (1): 17, 1959. – *Stereum purpureum* Pers. : Fr. / 22 / 6 Sep 1962 / Lebedeva (1925a) / 10, 13, 23, 26 / S, P.

42. **Clavaria fumosa** Pers. : Fr., Syst. mycol. 1: 483, 1821 /// Kapich & Golovko (1992) / *13* / S.

43. ***Clavariadelphus fistulosus** (Holmsk. : Fr.) Corner, Ann. Bot. Mem. 1: 272, 1950. – *Macrotyphula fistulosa* (Holmsk. : Fr.) R.H. Petersen / MSK 3579 / 6 Oct 1977 // *13* / S, (S).

44. ***Clavariadelphus junceus** (Alb. & Schwein. : Fr.) Corner, Ann. Bot. Mem. 1: 275, 1950. – *Macrotyphula juncea* (Alb. & Schwein. : Fr.) Berthier / 2 / 17 Oct 1985 // 13, 21 / S.

45. **Clavariadelphus ligula** (Schaeff. : Fr.) Donk, Rev. Niederl. Homob. Aphyll. 2: 73, 1933. – *Clavaria ligula* Schaeff. : Fr. / 13 / 1978 / Kuprevich (1931a) / 13, *20**, 21, 23*, 26 / S.

46. **Clavariadelphus pistillaris** (L. : Fr.) Donk, Rev. Niederl. Homob. Aphyll. 2: 73, 1933. – *Clavaria pistillaris* L. : Fr. /// Kuprevich (1931b) / *4**, *13**, 23*, 26*, 30* / (S).

47. **Clavicorona pyxidata** (Pers. : Fr.) Doty, Lloydia 10: 43, 1947. – *Clavaria pyxidata* Pers. : Fr. – *Artomyces pyxidatus* (Pers. : Fr.) Jülich / MSK 3805 / 27 Aug 1978 / Lebedeva (1925b) / *13**, *20**, 26*, 30 / S.

48. **Clavulina cinerea** (Bull. : Fr.) J. Schröt. in Cohn, Krypt.-Fl. Schles. 3 (1): 442, 1888 / 3 / 6 Sep 1977 / Anonymous (1984) / 13*, *26, 27* / S, (S).

In MSK 3834b basidiomata form a complex with the parasitic fungus *Helminthosphaeria clavariarum* (Tul.) Fuckel (*Spadicoides clavariarum* (Desm.) S. Hughes nom. anam.).

49. **Clavulina coralloides** (L. : Fr.) J. Schröt. in Cohn, Krypt.-Fl. Schles. 3 (1): 443, 1888. – *Clavaria coralloides* L. : Fr.; *Clavaria cristata* Holmsk. : Fr. – *Clavulina cristata* (Holmsk. : Fr.) J. Schröt. / 5 / 21 Aug 1967 / Kuprevich (1931b) / 13, *20**, *27*, 30 / S.

50. **Clavulinopsis corniculata** (Schaeff. : Fr.) Corner, Ann. Bot. Mem. 1: 362, 1950; *Clavaria fastigiata* Fr. /// Kuprevich (1931b) / 13 / S.

51. ***Clavulinopsis laeticolor** (Berk. & M.A. Curtis) R.H. Petersen, Mycologia 57: 522, 1965 / MSK 3857 / Oct 1981 // 13 / S.

52. **Climacodon pulcherrimus** (Berk. & M.A. Curtis) Nikol., Fl. pl. crypt. URSS 6 (2): 194, 1961 / 2 / 27 Jul 1958 / Komarova & Golovko (1966) / 30 / S.

53. **Climacodon septentrionalis** (Fr.) P. Karst., Rev. Mycol. (Toulouse) 3 (9): 20, 1881. – *Hydnum septentrionale* Fr. – *C. septentrionalis* (Fr.) P. Karst., Meddeland. Soc. Fauna Fl. Fenn. 6: 15, 1881 / MSK 3865 / Sep 1977 / Dorogin, 1912 – see Komarova & Golovko (1965) / 13, 23*, 27*, 31*, 32* / S, P.

54. **Conferticium ochraceum** (Fr. : Fr.) Hallenb., Mycotaxon 11 (2): 448, 1980. – *Corticium ochraceum* (Fr. : Fr.) Fr. / 2 / 9 Oct 1969 / Lebedeva (1925b) / 10, 12, *13** / S.

55. **Coniophora arida** (Fr.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. II 6: 370, 1868 / 6 / 20 Oct 1964 / Komarova (1966) / 10, 23, 26* / S.

56. **Coniophora olivacea** (Fr. : Fr.) P. Karst., Bidrag Kännedom Finlands Natur Folk 37: 162, 1882. – *Coniophorella olivacea* (Pers. : Fr.) P. Karst. / 3 / Sep 1962 / Komarova (1966) / 10, 23*, 26 / S.

57. **Coniophora puteana** (Schumach. : Fr.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. II 6: 370, 1868. – *C. cerebella* Pers. / 2 / 5 Sep 1962 / Golovko (1966) / 10 / S.

58. ***Corticium quercicola** Jülich, Int. J. Mycol. Lichenol. 1(1): 31, 1982 / 3 / 28 Mar 1998 /// 4, 24, 30 / S.

A correct systematic position of the species may be the genus *Erythricium*.

59. **Corticium roseum** Pers., Neues Mag. Bot. 1: 111, 1794. – *Thelephora rosea* (Pers.) Pers. : Fr., Syst. mycol. 1: 451, 1821. – *Laeticorticium roseum* (Pers.) Donk / 5 / 5 Sep 1962 / Komarova (1966) / 2*, 10, 30* / S.

60. **Craterellus cornucopioides** (L. : Fr.) Pers., Mycol. Eur. 2: 5, 1825 / 4 / 18 Sep 1959 / *Wyssotzky et al. (1925, dubious data)*, Serzhanina (1967) / 13, 26, 23* / E.

The report by Wyssotzky *et al.* (1925) and Lebedeva (1925b) of finding the fungus on stumps in district N° 32 is dubious; that fungus was probably *Lentinellus cochleatus* (Pers. : Fr.) P. Karst.

61. **Creoiophus cirrhatus** (Pers. : Fr.) P. Karst., Meddeland. Soc. Fauna Fl. Fenn. 5: 42, 1879. – *Hericium cirrhatum* (Pers. : Fr.) Nikol. / 5 / Aug 1953 / Komarova & Golovko (1965) / 2, 10*, 13, 19, 23, *25* / S, P.

62. **Crustoderma dryinum** (Berk. & M.A. Curtis) Parmasto, Consp. syst. Cortic. 88, 1968. – *Corticium dryinum* Berk. & M.A. Curtis – *Peniophora dryina* (Berk. & M.A. Curtis) D.P. Rogers & S.H. Jacks. / 2 / 20 Aug 1963 / Komarova (1966) / 2, *30* / S.

63. **Crustomyces subabruptus** (Bourdot & Galzin) Jülich, Persoonia 10 (1): 140, 1978. – *Odontia subabrupta* Bourdot & Galzin / 6 / 15 Aug 1956 / Komarova (1966) / 4, 26, 30 / S.

64. **Cylindrobasidium evolvens** (Fr. : Fr.) Jülich, Persoonia 8 (1): 72, 1974. – *Corticium evolvens* (Fr. : Fr.) Fr. / 33 / 23 Dec 1992 / Golovko (1966) / *3*, 10, 13, 14, 19*, 21, 28, 31 / S, W, LF.

Corticium laeve Pers. : Fr. and *Cylindrobasidium laeve* (Pers. : Fr.) Chamuris were synonymized with *Phanerochaete laevis* by Parmasto (1997), but the names have been misapplied in a number of sources and labels for *Cylindrobasidium evolvens*.

65. **Cytidia salicina** (Fr. : Fr.) Burt, Ann. Missouri Bot. Gard. 11: 10, 1924 / MSK 4477 / 23 Sep 1998 / Yurchenko (2000d) / 13 / S.

66. **Dendrophora versiformis** (Berk. & M.A. Curtis) Chamuris, Mycotaxon 28 (2): 544, 1987 / MSK 4595 / 22 Jul 1995 / Yurchenko (2000d) / 31 / S.

67. **Dendrothele alliacea** (Quél.) P.A. Lemke, Persoonia 3 (3): 366, 1965 / 3 / 21 Aug 1924 / Yurchenko (2000d) / *24*, *31*, 32 / B.

68. **Dentipellis dissita** (Berk. & Cooke) Maas Geest., Persoonia 7 (4): 551, 1974 / MSK 4526 / 11 Jul 1998 / Yurchenko (2000a) / 10 / S, LM.

The differences between *D. dissita* and *D. fragilis* are not distinct. MSK 4526 has gloeocystidia small-segmented by constrictions, (4) 5–8 (9.5) µm wide and 20–60 µm long (excluding hypha-like base), and spores 3–5 (6) × (2.5) 3–4 (4.3) µm.

69. **Dentipellis fragilis** (Pers. : Fr.) Donk, Persoonia 2 (2): 233, 1962. – *Hericium fragile* (Pers. : Fr.) Kotlaba – *H. fragile* (Pers. : Fr.) Nikol. / 6 / 13 Sep 1957 / Komarova & Golovko (1965) / 23, *29*, 30 / S, LM.

70. **Dichostereum granulosum** (Pers. : Fr.) Boidin & Lanquetin, Mycotaxon 6 (2): 284, 1977. – *Vararia granulosa* (Pers. : Fr.) Laurila / MSK 3900 / 13 Sep 1957 / Komarova (1966) / 23 / S.

71. **Gloeocystidiellum porosum** (Berk. & M.A. Curtis) Donk, Meded. Ned. Mycol. Ver. 18–20: 156, 1931 / 6 / 6 Aug 1995 / Yurchenko (2000a) / 10, 13, *18* / S.

In all specimens studied, using Melzer's reagent, spores have minute and scattered, scarcely visible warts.

72. **Gloeopeniophorella convolvens** (P. Karst.) Boidin, Lanquetin & Gilles, Bull. Soc. Mycol. France 113: 45, 1997. – *Gloeocystidiellum convolvens* (P. Karst.) Donk / 6 / 13 Sep 1956 / Komarova (1966) / 2, 10*, 23, *30* / S.

73. **Gloiodon strigosus** (Sw. : Fr.) P. Karst., Meddeland. Soc. Fauna Fl. Fenn. 5: 42, 1879 'strigosum'. – *Sclerodon strigosus* (Sw. : Fr.) P. Karst. /// *Nikolajeva (1961)* // S.

74. **Gloiothele citrina** (Pers.) Ginns & G.W. Freeman, Biblioth. Mycol. 157: 55, 1994. – *Vesiculomyces citrinus* (Pers.) E. Hagstr.; *Gloeocystidiellum radiosum* (Fr. : Fr.) Boidin / 8 / 5 Sep 1962 / Komarova (1966) / 2*, 10, 13, 14, 18, 23*, 26*, 30* / S, LM.

75. **Gloiothele lactescens** (Berk.) Hjortstam, Windahlia 17: 58, 1987. –*Gloeocystidiellum lactescens* (Berk.) Boidin / 3 / 28 Aug 1957 / Komarova (1966) / 19, 28 / S.

76. **Hericium coralloides** (Scop. : Fr.) Pers., Neues Mag. Bot. 1: 109, 1794, sec. Hallenberg (1983) & Stalpers (1996), nom. illeg. sec. Maas Geesteranus (1971). – *H. coralloides* (Scop. : Fr.) Gray, Nat. arr. Br. pl. 1: 652, 1821, nom. leg. sec. Maas Geesteranus (1971). – *H. clathroides* (Pall. : Fr.) Pers. – *H. ramosum* (Bull. ex Mérat) Letell. / 14 / 19 Aug 1956 / Błoński, 1889 – see Komarova & Golovko (1965) / 10, *13**, *20**, 21, 23, 26, 30, 31* / S.

Following the key in Stalpers (1996), *H. clathroides* is a small-spored form of *H. coralloides*. The species concept of *H. coralloides* sensu Maas Geesteranus (1971) fits the concept of *H. flagellum* complex sensu Stalpers (1996). In the Red Data Book of Belarus (Golovko & Serzhanina, 1993) *H. clathroides* was included as an independent species.

77. **Hydnellum aurantiacum** (Batsch. : Fr.) P. Karst., Meddeland. Soc. Fauna Fl. Fenn. 5: 41, 1879 /// Komarova & Golovko (1966) / 31* / E.

78. **Hydnellum compactum** (Pers. : Fr.) P. Karst., Meddeland. Soc. Fauna Fl. Fenn. 5: 41, 1879. – *Hydnum compactum* Pers. : Fr. – *Hydnellum compactum* (Pers. : Fr.) Nikol., Trudy Bot. Inst. Akad. Nauk SSSR, Ser. 2, Sporov. Rast. 9: 471, 1954. /// Komarova & Golovko (1965) / 10*, *13**, 23* / E.

79. **Hydnellum concrescens** (Pers. ex Schwein.) Banker, Mem. Torrey Bot. Club 12: 157, 1906; *H. zonatum* (Fr.) P. Karst. /// *Nikolajeva (1961)* // E.

80. **Hydnellum ferrugineum** (Fr. : Fr.) P. Karst., Meddeland. Soc. Fauna Fl. Fenn. 5: 41, 1879. – *Hydnum ferrugineum* Fr. non Pers.; *Hydnellum carbunculum* (Secr.) Banker / MSK 21 / 13 Aug 1974 / Komarova & Golovko (1965) / 2*, 13*, 30 / E.

81. **Hydnum repandum** L. : Fr., Syst. mycol. 1: 400, 1821 / MSK 3611 / 28 Sep 1960 / Błoński, 1889 – see Komarova & Golovko (1965) / 13*, 19, *20**, 23* / E.

82. ***Hydnum rufescens** Fr., Syst. mycol. 1: 401, 1821 non *H. rufescens* Schaeff., 1774 / 2 / 25 Aug 1965 // 13, 31 / E.

The specimens studied differed from typical *H. rufescens* in having a brownish yellow pileus, an excentric stipe, flesh lacking pink tinge, and aculei not distinctly decurrent on the stipe.

83. **Hymenochaete cinnamomea** (Pers. : Fr.) Bres., Atti Imp. Regia Accad. Rovereto III 3 (1): 110, 1897; *H. arida* (P. Karst.) Sacc. / 4 / 15 Jul 1997 / Komarova (1966) / 10, *19**, 23*, 30* / S, LM.

Hymenochaete arida is treated here as a young stages of *H. cinnamomea* basidiomata - see also Nordic macromycetes , Hansen & Knudsen (1997).

84. **Hymenochaete fuliginosa** (Pers.) Lév., Ann. Sci. Nat., Bot. III 5: 152, 1846; *H. subfuliginosa* Bourdot & Galzin /// Bondarceva, Parmasto (1986) / *23** / S.

85. **Hymenochaete rubiginosa** (Dicks. : Fr.) Lév., Ann. Sci. Nat., Bot. III 5: 151, 1846 / MSK 3948 / 17 Aug 1963 / Komarova *et al.* (1968) / 23*, 26*, 27*, *30*, 30* / S.

86. **Hymenochaete tabacina** (Sowerby : Fr.) Lév., Ann. Sci. Nat., Bot. III 5: 145, 1846 / 34 / 21 Oct 1964 / Komarova *et al.* (1968) / 2, 5, 10, 12, 13, *14*, 23, 30* / S.

87. **Hyphoderma argillaceum** (Bres.) Donk, Fungus 27: 14, 1957 / 1 / 19 Sep 2001 / Komarova (1966) / 14, 30* / S.

88. **Hyphoderma definitum** (H.S. Jacks.) Donk, Fungus 27: 15, 1957 / MSK 4443 / 12 Jul 1998 / Yurchenko (2000a) / 10 / S.

89. ***Hyphoderma litschaueri** (Burt) J. Erikss. & Å. Strid in J. Erikss. & Ryvarden, Cort. N. Eur. 3: 481, 1975 / MSK 3781 / 20 Aug 1963 // *30* / S.

90. ***Hyphoderma medioburiense** (Burt) Donk, Fungus 27: 15, 1957 / 2 / 29 Aug 1996 // 18, 24 / S.

91. **Hyphoderma mutatum** (Peck) Donk, Fungus 27: 15, 1957. – *Radulum mutatum* (Peck) Nikol. / 5 / 27 Dec 1992 / Komarova (1966) and simultaneously Komarova & Golovko (1966) / *3*, 13, 19, 23*, 31 / S, B.

92. ***Hyphoderma pallidum** (Bres.) Donk, Fungus 27: 15, 1957 / MSK 6151 / 22 Sep 2001 // 13 / S.

93. **Hyphoderma praetermissum** (P. Karst.) J. Erikss. & Å. Strid in J. Erikss. & Ryvarden, Cort. N. Eur. 3: 505, 1975; *H. tenue* (Pat.) Donk / 27 / 11 Aug 1956 / Komarova (1966) / 10, 13, 14, 23, 26, 28, 30 / S, LM, LF.

A very variable taxon which could also fit in the wider concept provided by the *Hyphoderma praetermissum* complex.

94. **Hyphoderma puberum** (Fr. : Fr.) Wallr., Fl. crypt. Germ. 2: 576, 1833. – *Phlebia pubera* (Fr. : Fr.) M.P. Christ. / 12 / 22 Aug 1963 / Komarova (1966) / 10, 13, 14, *30* / S, LM.

95. **Hyphoderma roseocremeum** (Bres.) Donk, Fungus 27: 15 (1957) /// Komarova (1966) / 30* / S.

96. **Hyphoderma setigerum** (Fr. : Fr.) Donk, Fungus 27: 15, 1957 / 52 / 18 Aug 1963 / Komarova (1966) / *3*, 10, 13, 14, 18, 20, 21, 23, 26, 30, 31 / S, B, LM.

A rather variable taxon which could also fit in the wider concept provided by the *Hyphoderma setigerum* complex (Yurchenko & Zmitrovich, 2001).

97. **Hyphodontia abieticola** (Bourdot & Galzin) J. Erikss., Symb. Bot. Upsal. 16 (1): 104, 1958 /// Komarova (1966) / *30** / S.

98. **Hyphodontia alutacea** (Fr. : Fr.) J. Erikss., Symb. Bot. Upsal. 16 (1): 104, 1958. – *Odontia alutacea* (Fr. : Fr.) Quél. / 4 / 21 Aug 1964 / Komarova (1966) and simultaneously Komarova & Golovko (1966) / 10, 23* / S, LM.

99. **Hyphodontia arguta** (Fr. : Fr.) J. Erikss., Symb. Bot. Upsal. 16 (1): 104, 1958. – *Odontia arguta* (Fr. : Fr.) Quél. / MSK 3927 / 12 Aug 1956 /

Nikolajeva (1961), Komarova (1966) and simultaneously Komarova & Golovko (1966) / 10*, 23*, 26*, 30 / S .

100. **Hyphodontia aspera** (Fr.) J. Erikss., Symb. Bot. Upsal. 16 (1): 104, 1958. – *Odontia aspera* (Fr.) Pilát / 8 / 5 Sep 1962 / Komarova & Golovko (1965) / 10, 19*, 23*, 26*, *30*, 30* / S, LM.

101. **Hyphodontia barba-jovis** (Bull. : Fr.) J. Erikss., Symb. Bot. Upsal. 16 (1): 104, 1958. – *Odontia barba-jovis* (Bull. : Fr.) Fr. / 10 / 29 Sep 1993 / *Nikolajeva (1961)*, Komarova (1966) and simultaneously Komarova & Golovko (1966) / 10, 13, 23, *30** / S, LM.

102. **Hyphodontia breviseta** (P. Karst.) J. Erikss., Symb. Bot. Upsal. 16 (1): 10, 1958; *Odontia lactea* (P. Karst.) P. Karst. – *Denticularia limoniformis* de Hoog nom. anam. / 14 / 20 Oct 1964 / Komarova (1966) and simultaneously Komarova & Golovko (1966) / 10, 13, 23 / S, LM.

First collection and report of anamorph: 25 Sep 1964 (MSK 3656) / Yurchenko (1998c). In Belarus conidia were not collected separately from basidiomata.

103. **Hyphodontia crustosa** (Pers. : Fr.) J. Erikss., Symb. Bot. Upsal. 16 (1): 104, 1958. – *Odontia crustosa* Pers. : Fr. / 2 / 13 Nov 1997 / *Nikolajeva (1961)*, Komarova & Golovko (1966) / 10, 26* / S.

104. **Hyphodontia floccosa** (Bourdot & Galzin) J. Erikss., Symb. Bot. Upsal. 16 (1): 104, 1958 / MSK 4755 / 3 Jun 1999 / Yurchenko (2001a) / 10 / S, LM.

105. **Hyphodontia nespori** (Bres.) J. Erikss. & Hjortstam in J. Erikss. & Ryvarden, Cort. N. Eur. 4: 655, 1976. – 'nesporii' (Parmasto, 1997) / 6 / 20 Aug 1963 / *Nikolajeva (1961)* sub nom. *O. papillosa*, Yurchenko (2000d) / 13, *30* / S.

In Nikolajeva (1961: 123–124) the name *O. papillosa* was clearly applied incorrectly to *Hyphodontia nespori*.

106. **Hyphodontia pallidula** (Bres.) J. Erikss., Symb. Bot. Upsal. 16 (1): 104, 1958 / 10 / 7 Sep 1960 / Komarova (1966) / 2, *10*, 14, 26* / S, LM.

107. **Hyphodontia pilaecystidiata** (S. Lundell) J. Erikss., Symb. Bot. Upsal. 16 (1): 104, 1958. – 'pilicystidiata' (Parmasto, 1997) / MSK 4723 / 7 Sep 1960 / Yurchenko (2000d) / 10 / S.

108. ***Hyphodontia pruni** (Lasch) Svrček, Česká Mykol. 27 (4): 204, 1973 / MSK 5548 / 15 Nov 1992 // 26 / S.

109. ***Hyphodontia quercina** (Pers. : Fr.) J. Erikss., Symb. Bot. Upsal. 16 (1): 105, 1958. – *Radulum quercinum* (Pers. : Fr.) Fr. / MSK 3880 / 23 Sep 1964 // 23 / S.

110. **Hyphodontia rimosissima** (Peck) Gilb., Mycologia 54: 667, 1962. – *Odontia papillosa* (Fr. : Fr.) P. Karst. / 3 / 6 Sep 1995 / Komarova & Golovko (1966) / 10, 13, *30** / S, LM.

In MSK 4160 and 4161 spores are ellipsoid to cylindrical, (4) 5–6.5 × 2.3–3.5 μm.

111. **Hyphodontia sambuci** (Pers. : Fr.) J. Erikss., Symb. Bot. Upsal. 16 (1): 104, 1958. – *Lyomyces sambuci* (Pers. : Fr.) P. Karst. / 17 / 1 Nov 1992 / Komarova (1966) / 4, 10, 13, *14*, 23, 26 / S, LM.

112. ***Hyphodontia spathulata** (Schrad. : Fr.) Parmasto, Consp. syst. Cortic. 123, 1968 / 3 / 17 Aug 1963 // 10, *30* / S.

113. **Hyphodontia subalutacea** (P. Karst.) J. Erikss., Symb. Bot. Upsal. 16 (1): 104, 1958 / 12 / 28 May 1997 / Komarova (1966) / 10, 12, 13, 23*, 26*, *30** / S.

114. **Hypochnicium bombycinum** (Sommerf. : Fr.) J. Erikss., Symb. Bot. Upsal. 16 (1): 101, 1958 / 7 / 18 Sep 1993 / Yurchenko (1998a) / 13 / S, B.

115. ***Hypochnicium eichleri** (Bres.) J. Erikss. & Ryvarden, Cort. N. Eur. 4: 707, 1976 / MSK 5140 / 14 Aug 1994 // 13 / S.

Incl. **Hypochnicium eichleri-punctulatum** / 3 / 6 Sep 1962 / Yurchenko (1998c) / 10 / S.

The epithet "eichleri-punctulatum" is used here for specimens with intermediate morphology following Hallenberg (1985).

116. **Hypochnicium erikssonii** Hallenb. & Hjortstam, Windahlia 18: 44, 1989 / MSK 4884 / 4 Jul 1999 / Yurchenko (2000d) / 10 / S.

117. **Hypochnicium geogenium** (Bres.) J. Erikss., Symb. Bot. Upsal. 16 (1): 101, 1958 / MSK 3906 / 28 Sep 1965 / Yurchenko (2000d) / 23 / S.

118. ***Hypochnicium lundellii** (Bourdot) J. Erikss., Symb. Bot. Upsal. 16 (1): 101, 1958 / MSK 5776 / 22 Apr 2001 // *14* / S.

119. **Hypochnicium multiforme** (Berk. & Broome) Hjortstam, Windahlia 23: 2, 1998; *Dacryobolus karstenii* (Bres.) Oberw. ex Parmasto /// *Davydkina (1980)* // S.

120. **Hypochnicium punctulatum** (Cooke) J. Erikss., Symb. Bot. Upsal. 16 (1): 101, 1958 /// Komarova (1966) / 10* / S.

121. **Hypochnicium vellereum** (Ellis & Cragin) Parmasto, Consp. syst. Cortic. 116, 1968. – *Granulobasidium vellereum* (Ellis & Cragin) Jülich / MSK 3587 / Oct 1978 / *26* / S.

122. **Irpex lacteus** (Fr. : Fr.) Fr., Elench. fung. 1: 145, 1828; *I. sinuosus* Fr. / 4 / 22 Jul 1995 / Lebedeva (1925a) and simultaneously Wyssotzky *et al.* (1925) / 10*, 13, 23*, 26*, 31, 32* / S.

123. **Kavinia himantia** (Schwein. : Fr.) J. Erikss., Symb. Bot. Upsal. 16 (1): 160, 1958 / 2 / 23 Sep 1963 / Yurchenko (2000d) / 13, 26 / S, LM.

124. **Lagarobasidium detriticum** (Bourdot) Jülich, Persoonia 10 (3): 334, 1979 / 6 / 21 Sep 1964 / Yurchenko (2000d) / 10, *14*, 23, 26 / S.

125. **Laxitextum bicolor** (Pers. : Fr.) Lentz, U.S.D.A. Monogr. 24: 19, 1955 / 3 / 30 Aug 1958 / Komarova (1966) / 4, 23, *29* / S, LM.

126. **Lentinellus cochleatus** (Pers. : Fr.) P. Karst., Bidrag Kännedom Finlands Natur Folk 32: 247, 1879. – *Lentinus cochleatus* (Pers. : Fr.) Fr.; *Lentinus cornucopioides* (Bolton) J. Schröt. /// Kuprevich (1931b) / *13** / S.

127. **Leptosporomyces galzinii** (Bourdot) Jülich, Willdenowia, Beih. 7: 192, 1972. – *Athelia galzinii* (Bourdot) Donk / 7 / 26 Sep 1964 / Komarova (1966) / 10, *14*, 21, 23 / S.

128. ***Leptosporomyces mutabilis** (Bres.) Kriegelst., Z. Mykol. 57 (1): 53, 1991. – *Fibulomyces mutabilis* (Bres.) Jülich / MSK 5627 / 11 Jun 2000 // 10 / S.

129. **Megalocystidium leucoxanthum** (Bres.) Jülich, Persoonia 10 (1): 140, 1978. – *Gloeocystidiellum leucoxanthum* (Bres.) Boidin / 9 / 27 Jan 1995 / Yurchenko (1998c) / 2, 10, 23, 24, *27* / S.

130. **Megalocystidium luridum** (Bres.) Jülich, Persoonia 10 (1): 140, 1978. – *Gloeocystidiellum luridum* (Bres.) Boidin, Compt. Rend. Acad. Sci. Paris 233: 1668, 1951 /// Komarova (1966) / 19* / S.

131. ***Merismodes anomalus** (Pers. : Fr.) Singer, Agaricales, 3 ed. 665, 1975. – *Solenia anomala* (Pers. : Fr.) Fuckel – *Cyphellopsis anomala* (Pers. : Fr.) Donk / 10 / 5 Oct 1991 // 5, 10, 13, 28 / S.

132. **Meruliopsis taxicola** (Pers. : Fr.) Bondartsev in Parmasto, Eesti NSV Tead. Akad. Toim. Biol. 8 (4): 274, 1959. – *Merulioporia taxicola* (Pers. : Fr.) Bondartsev & Singer / 2 / Sep 1954 / Bondartsev (1953) / 23, 30 / S.

133. **Peniophora cinerea** (Pers. : Fr.) Cooke, Grevillea 8 (45): 20, 1879 / 173 / 21 Aug 1967 / Lebedeva (1925b) / *1*, 2, *3*, 4, 5, 10, 11, 12, 13, 14, *18*, 20, 21, 23, 24, 26, 28, 29, 30, 31 / S, LF.

134. **Peniophora erikssonii** Boidin, Bull. Soc. Hist. Nat. Toulouse 92: 286, 1957 / 9 / 14 Jun 1997 / Yurchenko (2000a) / 2, 10, 11, 13, 18 / S.

In some instances the epithet *P. aurantiaca* was incorrectly used for this species because the earlier concept of that species included fungi both with and without clamp connections (Eriksson, 1950).

135. **Peniophora incarnata** (Pers. : Fr.) P. Karst., Hedwigia 28: 27, 1889. – *Gloeopeniophora incarnata* (Pers. : Fr.) Höhn. & Litsch. / 113 / 2 May 1989 / Lebedeva (1925b) / 2, 3, 4, 5, 10, 11, 12, 13, 14, 18, 21, 23, 24, 26, 29, 30, 31 / S, W.

136. **Peniophora laeta** (Fr. : Fr.) Donk, Fungus 27: 17, 1957; *P. hydnoidea* (Pers. : Fr.) Donk / 4 / 23 Sep 1964 / Yurchenko (2000c) / *23*, *29*, 30 / S.

137. **Peniophora limitata** (Chaillet ex Fr. : Fr.) Cooke, Grevillea 8 (45): 21, 1879 / 5 / 15 Jul 1997 / Yurchenko (1998c) / 10, 26 / S.

138. **Peniophora nuda** (Fr. : Fr.) Bres., Atti Imp. Regia Accad. Rovereto III 3: 114, 1897 / 8 / 21 Jul 1995 / Yurchenko (1998a) / 13, 31 / S, LF.

139. **Peniophora pini** (Schleich. & DC. : Fr.) Boidin, Rev. Mycol. (Paris) 21: 123, 1956. – *Sterellum pini* (Schleich. & DC. : Fr.) P. Karst. / 9 / 15 Jul 1997 / Komarova *et al.* (1968) / 10, 13, 18, 23*, 26, 29, 30, 32 / S, RD.

140. **Peniophora pithya** (Pers.) J. Erikss., Symb. Bot. Upsal. 10 (5): 45, 1950 / 2 / 4 Oct 1997 / Yurchenko (2000b) sub nom. *P.* aff. *pithya*, Yurchenko (2000c) / 10, 13 / S.

141. **Peniophora polygonia** (Pers. : Fr.) Bourdot & Galzin, Hymen. Fr. 320, 1928 / 17 / 5 Oct 1991 / Yurchenko (1998b) / 4, 10, 12, 13, 18, 23, 24, 26, 29, 30 / S.

142. **Peniophora quercina** (Pers. : Fr.) Cooke, Grevillea 8 (45): 20, 1879 / 16 / 4 Oct 1986 / Novikov & Golovko (1979) / 4, 13, 18, 23, 24, 26*, 30 / S.

143. **Peniophora rufa** (Fr. : Fr.) Boidin, Bull. Soc. Mycol. France 74 (4): 443, 1958 /// *Davydkina (1980)* // S.

144. **Peniophora rufomarginata** (Pers.) Litsch. in Keissler, Kryptog. Exs. Wien no. 2613, 1923 / 4 / 15 Aug 1924 / Yurchenko (2000b) / 13, 20, 23, *31* / S.

145. **Peniophora violaceolivida** (Sommerf.) Massee, J. Linn. Soc., Bot. 25: 152, 1889 / 4 / 19 Oct 1998 / Yurchenko (2000b) / 10, 11, 30 / S.

146. ***Phanerochaete avellanea** (Bres.) J. Erikss. & Hjortstam in J. Erikss. *et al.*, Cort. N. Eur. 6: 1072, 1981; *Athelia subtessulata* Parmasto var. *efibulata* Parmasto / MSK 3890, holotypus var. / 17 Aug 1963 / Komarova (1966) sub nom. *A. subtessulata* var. *efibulata* / *30* / S.

The authentic specimen examined had clampless hyphae, rather dense palisade hymenium, and spores (4) 5–6.5 x 2.5–3.5 µm, typical for the genus *Phanerochaete*.

147. ***Phanerochaete cremeo-ochracea** (Bourdot & Galzin) Hjortstam, Windahlia 17: 58, 1987 / MSK 5120 / 13 Jun 1995 // 13 / S.

The single very scanty specimen does not distinctly differ from *Byssomerulius tuberculatus* (P. Karst) Zmitrovich (syn. *Phanerochaete tuberculata* (P. Karst.) Parmasto), and has spores 5.5–8.5 x 2.5–3 µm.

148. ***Phanerochaete calotricha** (P. Karst.) J. Erikss. & Ryvarden in J. Erikss. *et al.*, Cort. N. Eur. 5: 997, 1978 / MSK 4656 / 19 Feb 1999 // 13 / S.

The specimen has features of *Ph. calotricha*: basidioma moderately pellicular, 0.15–0.3 mm thick, subiculum and subhymenium well developed, moderately dense, and lacking distinct crystals. Regular cystidia are absent and clamps are rare as in *Ph. galactites*. Occasional cystidia are encrusted, *ca* 5 µm wide and up to 17 µm projecting, and easily breaking.

149. **Phanerochaete laevis** (Pers. : Fr.) J. Erikss. & Ryvarden in J. Erikss. *et al.*, Cort. N. Eur. 5: 1007, 1978; *Ph. affinis* (Burt) Parmasto / 4 / 14 Jul 1997 / Komarova (1966) / 10, 13, 23*, 26*, 30* / S.

150. **Phanerochaete sanguinea** (Fr. : Fr.) Pouzar, Česká Mykol. 27 (1): 26, 1973. – *Peniophora sanguinea* (Fr. : Fr.) Bres. / 13 / 10 Oct 1969 / Komarova (1966) / 2*, 10, 13, *21**, 23*, 26, 28 / S, LM.

151. **Phanerochaete sordida** (P. Karst.) J. Erikss. & Ryvarden in J. Erikss. *et al.*, Cort. N. Eur. 5: 1023, 1978; *Ph. cremea* (Bres.) Parmasto / 5 / 14 Aug 1994 / Komarova (1966) / 10, 13, 23*, 26*, *30** / S, LM.

152. **Phanerochaete velutina** (DC. : Fr.) P. Karst., Krit. öfvers. Finl. basidsvamp. Tillägg 3: 33, 1898 / 5 / 10 Oct 1969 / Komarova (1966) / 10, 13, *14*, *21**, 23*, *29**, *30** / S.

153. **Phellodon niger** (Fr. : Fr.) P. Karst., Rev. Mycol. (Toulouse) 3 (9): 19, 1881. – *Hydnum nigrum* Fr. : Fr. – *Ph. niger* (Fr. : Fr.) P. Karst., Meddeland. Soc. Fauna Fl. Fenn. 6: 15, 1881. /// Kuprevich (1931b) / *13** / E.

154. **Phellodon tomentosus** (L. : Fr.) Banker, Mem. Torrey Bot. Club 12 (2): 171, 1906; *Hydnum cyathiforme* Schaeff. ex St-Amans, non *H. cyathiforme* Fr. a et b / 3 / 5 Sep 1962 / Kuprevich (1931b) / 2*, 10, 13, 23*, 26*, 30 / E.

MSK 3608 has morphology transitional to *Ph. confluens* (Pers.) Pouzar: spores 3–4.5 µm diam and not pronounced colour zones on the pileus. In MSK 5740 the abhymenial surface of the pileus is gray-brown with a dirty violaceous tinge, turning greenish-black with KOH.

155. **Phlebia albomellea** (Bondartsev) Nakasone, Mycologia 88 (5): 766, 1996. – *Cytidiella melzeri* Pouzar / MSK 5574 / 17 Jul 1998 / Yurchenko (2001b) / 18 / S.

156. **Phlebia aurea** (Fr. : Fr.) Nakasone, Sydowia 49 (1): 55, 1997; *Sarcodontia stenodon* (Pers.) Nikol. / 2 / 11 Jul 1998 / Komarova (1966) and simultaneously Komarova & Golovko (1966) / 10, 26* / S.

157. **Phlebia centrifuga** P. Karst., Meddeland. Soc. Fauna Fl. Fenn. 6: 10, 1881 / 5 / 20 Oct 1964 / Komarova (1965) / 10, 23* / S.

The general macroscopic shape of the specimens studied is very similar to *Ph. radiata*, but spores are big as in *Ph. centrifuga*, 6.5–8.5 (9.5) × 2.5–3.5 (4) µm.

158. **Phlebia fuscoatra** (Fr. : Fr.) Nakasone, Sydowia 49 (1): 59, 1997. – *Mycoleptodon fuscoater* (Fr. : Fr.) Pilát 'fusco-ater' / 2 / 23 Oct 1963 / *Nikolajeva (1961)*, Komarova & Golovko (1965) / 2*, 4*, 10, 26, 30* / S.

159. **Phlebia radiata** Fr. : Fr., Syst. mycol. 1: 427, 1821; *Ph. aurantiaca* (Sowerby) J. Schröt. / 13 / 22 Dec 1964 / Komarova (1965) / 2, *3*, 10, 13, 23*, 31 / S, B.

160. **Phlebia rufa** (Pers. : Fr.) M.P. Christ., Dansk Bot. Ark. 19 (2): 164, 1960. – *Merulius lividus* Bourdot & Galzin / 2 / 22 Jul 1995 / Komarova (1965) / 10, 30*, 31 / S.

161. ***Phlebia subochracea** (Bres.) J. Erikss. & Ryvarden, Cort. N. Eur. 4: 873, 1976 / MSK 3913 / 24 Sep 1964 / 23 / S.

Phlebia ochraceofulva (Bourdot & Galzin) Donk ('ochraceo-fulva') is possibly conspecific with *Ph. subochracea* (Eriksson *et al.*, 1981: 1145). Komarova (1966) published an earlier record of *Ph. ochraceofulva* for district № 23.

162. **Phlebia subserialis** (Bourdot & Galzin) Donk, Fungus 27: 12, 1957 /// Komarova (1966) / 26* / S.

163. **Phlebia subulata** J. Erikss. & Hjortstam in J. Erikss. *et al.*, Cort. N. Eur. 6: 1175, 1981 / 2 / 12 Nov 1963 / Yurchenko (2000d) / 10, 26 / S.

164. **Phlebia tremellosa** (Schrad. : Fr.) Nakasone & Burds., Mycotaxon 21: 245, 1984 'tremellosus'. – *Merulius tremellosus* Schrad. : Fr. / 10 / 21 Oct 1964 / Wyssotzky *et al.* (1925) / 2, 10, 13, *14, 17**, 23*, 26, 27*, 30 / S, LM.

165. **Phlebia uda** (Fr. : Fr.) Nakasone, Sydowia 49 (1): 72, 1997. – *Sarcodontia uda* (Fr. : Fr.) Nikol. /// Komarova & Golovko (1966) / 26* / S.

166. **Phlebiella ardosiaca** (Bourdot & Galzin) K.H. Larss. & Hjortstam, Mycotaxon 29: 316, 1987. – *Xenasmatella decipiens* Hjortstam & Ryvarden / MSK 4474 / 11 Jul 1998 / Yurchenko (2000d) / 10 / S, LM.

167. **Phlebiella fibrillosa** (Hallenb.) K.H. Larss. & Hjortstam, Mycotaxon 29: 316, 1987 / 2 / 4 Jun 1999 / Yurchenko (2000d) / 2, 10 / S.

168. **Phlebiella sulphurea** (Pers. : Fr.) Ginns & Lefebvre, Lignic. Cort. N. Amer. 126, 1993. – *Cristella sulphurea* (Pers. : Fr.) Donk; *Trechispora vaga* (Fr. : Fr.) Liberta / 32 / 12 Aug 1956 / Komarova (1966) / 2*, 10, 13, 14, 18, 21, 22, 23*, 26*, 30 / S.

169. **Phlebiopsis gigantea** (Fr. : Fr.) Jülich, Persoonia 10 (1): 137, 1978. – *Phlebia gigantea* (Fr. : Fr.) Donk – *Peniophora gigantea* (Fr. : Fr.) Massee / MSK 3939 / 11 Dec 1986 / Komarova (1966) / 13*, *18**, 19*, *21*, 23*, *26** / S.

170. ***Phlebiopsis ravenelii** (Cooke) Hjortstam, Windahlia 17: 58, 1987. – *Ph. roumeguerii* (Bres.) Jülich & Stalpers – 'roumeguerei' (Parmasto, 1997) / MSK 6157 / 29 May 2002 // *14* / S.

The specimen has spores (3.3) 3.7–5.5(6) × (2.3) 2.8 (3) µm, with heterogeneous protoplasm making them seem thick-walled.

171. **Piloderma byssinum** (P. Karst.) Jülich, Ber. Deutsch. Bot. Ges. 81: 418, 1969. – *Athelia byssina* (P. Karst.) Parmasto / 5 / 4 Jun 1999 / Golovko (1983) / 10, 13, 21 / S, LM.

Analysis of MSK specimens has indicated that the name *A. byssina* was sometimes mistakenly applied to *Amphinema byssoides*.

172. **Piloderma fallax** (Liberta) Stalpers, Stud. Mycol. 24: 53, 1984; *P. croceum* J.Erikss. & Hjortstam / 3 / 23 Sep 1999 / Golovko (1983) / 2, 13 / S, B, LM.

173. **Plicaturopsis crispa** (Pers. : Fr.) D.A. Reid, Persoonia 3 (1): 150, 1964. – *Trogia crispa* (Pers. : Fr.) Fr. – *Plicatura crispa* (Pers. : Fr.) Rea /// Błoński, 1889 – see Serzhanina (1994) / *13**, *19**, 23*, 26* / S.

174. **Porostereum spadiceum** (Pers. : Fr.) Hjortstam & Ryvarden, Synopsis Fungorum 4: 51, 1990. – *Lopharia spadicea* (Pers. : Fr.) Boidin /// *Davydkina (1980)* // S.

175. **Porotheleum fimbriatum** Pers. ex Fr., Observ. mycol. 2: 272, 1818 non *Porothelium fimbriatum* Pers. : Fr. (ascolichen sec. Cooke, 1989). – *Stromatoscypha fimbriata* (Pers. : Fr.) Donk, Persoonia 1 (1): 81, 1959, 'fimbriatum' (Bondarceva & Parmasto, 1986) / MSK 3653 / Oct 1954 / Komarova (1964) / 4*, 10*, 23*, 30 / S.

176. **Pseudotomentella tristis** (P. Karst.) M.J. Larsen, Nova Hedwigia 22: 613, 1972 /// Kõljalg (1996) / *23** / S.

177. **Pterula multifida** E.P. Fr. ex Fr., Linnaea 5: 531, 1830 non ss. auct. /// Parmasto (1965) // S.

178. **Punctularia strigosozonata** (Schwein.) P.H.B. Talbot, Bothalia 7 (1): 143, 1958 'strigoso-zonata'. – *Phaeophlebia strigosozonata* (Schwein.)

W.B. Cooke / 5 / 22 Aug 1963 / Komarova (1966) / 18, *19**, 21, 23, *29**, *30*, 30* / S, LF.

179. **Radulomyces confluens** (Fr. : Fr.) M.P. Christ., Dansk Bot. Ark. 19 (2): 230, 1960 / 47 / 27 Dec 1992 / Yurchenko (1998b) / *3*, 10, 13, 20, 24, 30, 31 / S.

180. **Radulomyces molaris** (Chaillet ex Fr. : Fr.) M.P. Christ., Dansk Bot. Ark. 19 (2): 232, 1960; *Radulum rude* (Pers.) S. Lundell / 5 / 22 Aug 1963 / *Nikolajeva (1961)*, Komarova (1966) / 23, 30, 31, *30** / S.

181. **Ramaria abietina** (Pers. : Fr.) Quél., Fl. mycol. France 463, 1888. – *Clavaria abietina* Pers. non Fr., *R. ochraceovirens* (Jungh.) Donk 'ochraceo-virens' /// Lebedeva (1925b) / *13**, 26* / S.

182. **Ramaria aurea** (Schaeff. : Fr.) Quél., Fl. mycol. France 467, 1888. – *Clavaria aurea* Schaeff. : Fr. /// Kuprevich (1931a) / *13** / (S).

183. **Ramaria botrytis** (Pers. : Fr.) Ricken, Vadem. Pilzfr. 253, 1918. – *Clavaria botrytis* Pers. : Fr./// Kuprevich (1931a) / 13* / (S).

184. ***Ramaria bourdotiana** Maire, Fungi Catal. 2: 32, 1937 / MSK 5691 / 9 Sep 2000 // 13 / S.

185. ***Ramaria corrugata** (P. Karst.) Schild, Schweiz. Z. Pilzk. 53: 130, 1975 non ss. Schild / MSK 3833 / 7 Sep 1987 // 13 / (S).

186. **Ramaria eumorpha** (P. Karst.) Corner, Ann. Bot. Mem. 1: 575, 1950; *Clavaria abietina* Pers. : Fr. ss. Fr.; *R. invalii* (Cotton & Wakef.) Donk / 14 / 8 Aug 1960 / *Parmasto (1965)*, Serzhanina & Zmitrovich (1986) and simultaneously Serzhanina & Yashkin (1986) / 13, *14*, 21, *25*, 26, 30 / S.

187. **Ramaria flava** (Schaeff. : Fr.) Quél., Fl. mycol. France 466, 1888. – *Clavaria flava* Schaeff. : Fr. /// Kuprevich (1931a) / 13*, *20**, 23* / (S).

188. ***Ramaria flavobrunnescens** (G.F. Atk.) Corner, Ann. Bot. Mem. 1: 581, 1950 'flavo-brunnescens' / MSK 3853 / 28 Sep 1986 // 13 / S.

189. **Ramaria formosa** (Pers. : Fr.) Quél., Fl. mycol. France 466, 1888 non ss. Corner – *Clavaria formosa* Pers. : Fr. /// Kuprevich (1931a) / *13** / (S).

190. **Ramaria gracilis** (Pers. : Fr.) Quél., Fl. mycol. France 463, 1888. – *Clavaria gracilis* Pers. : Fr. /// Kuprevich (1931a) / *13** / (S).

191. **Ramaria stricta** (Pers. : Fr.) Quél., Fl. mycol. France 464, 1888 /// *Parmasto (1965)* // S.

192. ***Ramaria testaceoflava** (Bres.) Corner, Ann. Bot. Mem. 1: 630, 1950 / MSK 3837 / 7 Sep 1974 // 13 / (S).

193. **Ramaricium albo-ochraceum** (Bres.) Jülich, Persoonia 9 (3): 417, 1977 / MSK 4744 / 3 Jun 1999 / Yurchenko (2000d) / 10 / S.

194. **Ramariopsis crocea** (Pers. : Fr.) Corner, Ann. Bot. Mem. 1: 638, 1950. – *Clavaria crocea* Pers. : Fr. /// Kuprevich (1931a) / *13** / S.

195. **Resinicium bicolor** (Alb. & Schwein. : Fr.) Parmasto, Consp. syst. Cortic. 98, 1968. – *Odontia bicolor* (Alb. & Schwein. : Fr.) Quél. / 11 / 21 Nov 1963 / Komarova (1966) and simultaneously Komarova & Golovko (1966) / 10, 13, 14, 23, 26, *30** / S.

196. **Sarcodon glaucopus** Maas Geest. & Nannf., Svensk Bot. Tidskr. 63: 407, 1969; *S. amarescens* (Quél.) Quél. nom. conf. sec. Maas Geest., Fungus 26: 47, 1956 /// Komarova & Golovko (1965) / 2*, 10* / E.

197. **Sarcodon imbricatus** (L. : Fr.) P. Karst., Rev. Mycol. (Toulouse) 3 (9): 20, 1881 'imbricatum'. – *Hydnum imbricatum* L. : Fr. – *S. imbricatus* (L. : Fr.) P. Karst., Meddeland. Soc. Fauna Fl. Fenn. 6: 16, 1881. / 3 / 28 Sep 1960 / Kuprevich (1931a) / 19, *21*, 23 – for *S. imbricatus* s. str.; 2*, 10*, *13**, 19*, *20**, 23* – for *S. imbricatus* s. l. (see *S. squamosus*) / E.

198. **Sarcodon leucopus** (Pers.) Maas Geest. & Nannf., Svensk Bot. Tidskr. 63: 415, 1969; *Hydnum laevigatum* Sw. non Fr., nom. conf. sec. Maas Geesteranus (1975) /// Kuprevich (1931a) sub nom. *H. laevigatum* / *13** / E.

199. ***Sarcodon squamosus** (Schaeff.) Quél., Enchir. fung. 188, 1886; *Hydnum badium* Pers. (nom. illeg.), non *H. badium* Pers. ss. auct. / 3 / 1972 // 11, 26 / E.

This species, peculiar to pine forests, was obviously regarded as *S. imbricatus* by earlier investigators in Belarus. Separation into two species based on pigments and macroscopic form was carried out by Johannesson *et al.* (1999).

200. **Sarcodontia crocea** (Schwein. : Fr.) Kotl., Česká Mykol. 7: 117, 1953; *Sarcodontia setosa* (Pers.) Donk / 2 / 8 Sep 1994 / Yurchenko (1998a) / 13, 25 / P, S.

201. **Schizophyllum amplum** (Lév.) Nakasone, Mycologia 85 (5): 771, 1996. – *Auriculariopsis ampla* (Lév.) Maire / 2 / 18 Oct 1990 / Komarova (1966) / 10, 13, 30* / S.

202. **Schizophyllum commune** Fr. Fr., Syst. mycol. 1: 330, 1821. – *Sch. alneum* J. Schröt. / 25 / 10 Aug 1950 / Wyssotzky *et al.* (1925) / 3, 10, 13, 26, *27*, 30, *32* / S, P.

203. **Schizopora paradoxa** (Schrad. : Fr.) Donk, Persoonia 5 (1): 104, 1967; *Irpex obliquus* (Schrad. : Fr.) Fr.; *Xylodon versiporus* (Pers.) Bondartsev p.p. / 11 / 21 Oct 1963 / Lebedeva (1925b) / 12, 13, 23, 26, 30 – for *Sch. paradoxa* and *I. obliquus*; 10*, 23*, 26* – for *X. versiporus* / S.

204. **Schizopora radula** (Pers. : Fr.) Hallenb., Mycotaxon 18 (2): 308, 1983. – *Hyphodontia radula* (Pers. : Fr.) E. Langer & Vesterholt – *Xylodon versiporus* (Pers.) Bondartsev p.p. / 8 / 22 Aug 1963 / Bondartsev (1953) sub nom. *X. versiporus*, Yurchenko (2000a) / 10, *30*, *31* / S.

205. **Scopuloides hydnoides** (Cooke & Massee) Hjortstam & Ryvarden, Mycotaxon 9 (2): 509, 1979. Jülich – *Phlebia hydnoides* (Cooke & Massee) M.P. Christ.; *S. rimosa* (Cooke) Jülich / 10 / 14 Jul 1997 / Komarova (1966) / 10, 26* / S, LM.

Scopuloides rimosa is synonymized with *S. hydnoides* following Burdsall (1985).

206. **Scytinostroma galactinum** (Fr.) Donk, Fungus 26: 20, 1956 / 7 / 14 Aug 1956 / Komarova (1966) / 10, 19, 23, 29, 30 / S.

207. **Scytinostroma odoratum** (Fr. : Fr.) Donk, Fungus 26: 20, 1956 / 5 / 31 Jul 1958 / Komarova (1966) / 10, 26*, 30 / S.

208. **Serpula aurea** (Fr. : Fr.) P. Karst., Bidrag Kännedom Finlands Natur Folk 48: 344, 1889. – *Merulius aureus* Fr. : Fr. – *Pseudomerulius aureus* (Fr. : Fr.) Jülich / 5 / 20 Oct 1964 / Komarova (1965) / 10, 13* / S.

209. **Serpula himantioides** (Fr. : Fr.) P. Karst., Bidrag Kännedom Finlands Natur Folk 48: 343, 1889 / MSK 3760 / 10 Sep 1969 / Komarova (1965) / 2*, 10, 23* / S.

210. **Serpula lacrymans** (Wulfen in Jacq. : Fr.) J. Schröt. in Cohn, Krypt.-Fl. Schles. 3 (1): 466, 1888. – 'lacrimans' (Parmasto, 1997). – *Merulius lacrymans* Wulfen : Fr. / 2 / Sep 1963 / Dorogin, 1912 – see Golovko (1981) / *7**, 10, 13*, 26*, 28* / S.

211. **Serpula mollusca** (Fr. : Fr.) P. Karst., Bidrag Kännedom Finlands Natur Folk 48: 334, 1889. – *Leucogyrophana mollusca* (Fr. : Fr.) Pouzar; *Merulius pseudomolluscus* Parmasto / 2 / 14 Sep 1957 / Komarova (1965) / *2*, 2*, *10**, *13**, 23 / S.

212. **Serpula sororia** (Burt) Zmitrovich, Nov. Syst. Pl. non Vasc. 35: 83, 2001. – *Leucogyrophana sororia* (Burt) Ginns / MSK 3989 / 21 Oct 1964 / Yurchenko (1998c) / 10 / S.

213. **Serpulomyces borealis** (Romell) Zmitrovich in Zmitrovich & Spirin, Mikol. Fitopatol. 36 (1): 20, 2002. – *Ceraceomyces borealis* (Romell) J. Erikss. & Ryvarden / 2 / 19 Aug 1963 / Yurchenko (2000d) sub nom. *C.* aff. *borealis*, Yurchenko (2001a) / 10, *30* / S.

MSK 3920 has very narrow, curved spores tapering to the apiculus, 3.5–6.3 × 1–2 µm.

214. **Sistotrema brinkmannii** (Bres.) J. Erikss., Förh. Kungl. Fysiogr. Sällsk. 18 (8): 17, 1948 / 14 / 21 Oct 1964 / Komarova (1966) / 10, 11, 13, *14*, 19, 31, *30** / S, LF.

In MSK 4420 spores are ellipsoid to short cylindrical, 3–5.5 × 2–2.2 (2.5) µm, very weak or not concave at the adaxial side. MSK 4803 has a cream hymenial surface and spores 3–4.5 (5.2) × 1.5–2.5 µm.

215. **Sistotrema confluens** Pers. : Fr., Syst. mycol. 1: 426, 1821 /// Kuprevich (1931b) / *13** / (S).

216. **Sistotrema oblongisporum** M.P. Christ. & Hauerslev, Dansk Bot. Ark. 19 (2): 82, 1960 / 5 / 11 Aug 1994 / Yurchenko (1998b) / 10, 13, 28 / S.

217. **Sistotrema octosporum** (J. Schröt. ex Höhn. & Litsch.) Hallenb. in J. Erikss. *et al.*, Cort. N. Eur. 7: 1349, 1984 / MSK 4342 / 14 Nov 1997 / Yurchenko (1998c) / 10 / S.

218. **Sistotrema raduloides** (P. Karst.) Donk, Fungus 26: 4, 1956 / 8 / 28 Aug 1957 / Komarova & Golovko (1965) / 19, 26, *29**, 30 / S.

219. ***Sistotremastrum niveocremeum** (Höhn. & Litsch.) J. Erikss., Symb. Bot. Upsal. 16 (1): 62, 1958. – *Sistotrema niveocremeum* (Höhn. & Litsch.) J. Erikss. / 3 / 13 Nov 1997 // 10 / S.

220. **Sistotremastrum suecicum** Litsch. ex J. Erikss., Symb. Bot. Upsal. 16 (1): 62, 1958 / 9 / 28 May 1997 / Yurchenko (1998b) / 10 / S.

221. **Sparassis brevipes** Krombh., Nat. Abbild. Besch. Schw. 22: 4, 1834; *S. laminosa* Fr., *S. crispa* var. *laminosa* (Fr.) Quél. /// Vynaev & Gapienko (2002) / 20* / P.

222. **Sparassis crispa** Wulfen : Fr., Syst. mycol. 1: 465, 1821 / 3 / 27 Aug 1967 / Tumiłowiczówna (1935) / 10*, 13, *20**, 21, 23, 26*, *29**, 30*, *32** / S, RD, P.

223. **Steccherinum ciliolatum** (Berk. & M.A. Curtis) Gilb. & Budington, J. Arizona Acad. Sci. 6 (2): 97, 1970; *S. litschaueri* (Bourdot & Galzin) J. Erikss. / MSK 3945 / 21 Sep 1963 / Yurchenko (2000d) / 26 / S.

224. **Steccherinum fimbriatum** (Pers. : Fr.) J. Erikss., Symb. Bot. Upsal. 16 (1): 134, 1958. – *Mycoleptodon fimbriatus* (Pers. : Fr.) Bourdot & Galzin / 8 / 14 Jul 1997 / Błoński, 1889 – see Komarova & Golovko (1965) / 10, 13, 23, 26*; 30* / S, LM.

225. **Steccherinum ochraceum** (Pers. ex J.F. Gmel. : Fr.) Gray, Nat. arr. Br. pl. 1: 651, 1821. – *Mycoleptodon ochraceus* (Pers. ex J.F. Gmel. : Fr.) Pat. / 2 / 9 Nov 1962 / *Nikolajeva (1961)*, Komarova & Golovko (1965) / 10, *13**, 23*, 26*, 28 / S.

MSK 8000 has almost effuse basidiomata with teeth 0.35–0.4 mm long and small spores, 2.7–3.3 × 1.3–1.5 μm.

226. **Steccherinum queletii** (Bourdot & Galzin) Hallenb. & Hjortstam, Mycotaxon 31 (2): 443, 1988. – *Odontia queletii* Bourdot & Galzin /// Komarova & Golovko (1966) / 26* / S.

227. **Steccherinum subcrinale** (Peck) Ryvarden, Norweg. J. Bot. 25: 294, 1978; *Mycoleptodon kavinae* Pilát, sec. Jülich (1984) /// *Nikolajeva (1961)* // S.

228. **Stereum gausapatum** (Fr. : Fr.) Fr., Hymenomyc. Eur. 638, 1874 / MSK 3922 / 28 Aug 1978 / *Davydkina (1980)*, Golovko (1988) / *13**, 30 / S.

229. **Stereum hirsutum** (Willd. : Fr.) Gray, Nat. arr. Br. pl. 1: 653, 1821 / 40 / Oct 1958 / Lebedeva (1925a) and simultaneously Wyssotzky *et al.* (1925) / 2, 10, 13, *14*, 23, 25, 26, 30, 31, 32* / S, P.

Records of *S. complicatum* (Fr. : Fr.) Fr. in Golovko (1988) evidently belong to *S. hirsutum*, which has flabelliform undulate basidiomata.

230. **Stereum rugosum** (Pers. : Fr.) Fr., Epicr. syst. mycol. 552, 1838. – *Haematostereum rugosum* (Pers. : Fr.) Pouzar / 34 / 9 Sep 1962 / Lebedeva (1925a) / 10, 12, 13, *14*, 21, 23, 26, 30* / S, RD.

231. **Stereum sanguinolentum** (Alb. & Schwein. : Fr.) Fr., Epicr. syst. mycol. 549, 1838. – *Haematostereum sanguinolentum* (Alb. & Schwein. : Fr.) Pouzar / 5 / 11 Jul 1998 / Lebedeva (1925b) / 10, 13, 14, 19*, 26 / S, RD.

232. **Stereum subtomentosum** Pouzar, Česká Mykol. 18 (3): 147, 1964. – *Stereum fasciatum* (Schwein.) Fr. sensu auct. florae Europ., sec. Pouzar (1964) / 5 / 9 Oct 1969 / Komarova *et al.* (1968) / 2*, 10, *13**, 23*, 26* / S, LM.

233. **Subulicystidium longisporum** (Pat.) Parmasto, Consp. syst. Cortic. 121, 1968 / 7 / 2 Jun 1999 / Yurchenko (2000d) / 10 / S.

234. **Thanatephorus cucumeris** (A.B. Frank) Donk, Reinwardtia 3 (3): 376, 1956; *Hypochnus solani* Prill. & Delacr. – *Rhizoctonia solani* J.G. Kühn nom. anam. /// Chekalinskaya (1958) / probably over all area / P.

235. ***Thelephora** aff. **albidobrunnea** Schwein., Trans. Amer. Philos. Soc. II, 4: 166, 1832 / MSK 3725 / 6 Sep 1977 // *27* / (S). 4: 167

This uncommon find has flabelliform, semi-orbicular or almost orbicular, fleshy-coriaceous basidiomata consisting of radial spathuliform lobes curved to the ground, combined in a common "stipe" *ca* 1 × 1 cm; with lobes arranged in an indistinct imbricate pattern, confluent laterally or upper with lower, 1–1.5 mm thick when dry; upper surface with abhymenial tomentum, cream, ochraceous towards the base; lower surface chocolate brown or cream near a lobe tip; hymenium almost unilateral – mostly underside the lobes; hyphae subhyaline, 3.3–6.5 µm wide; basidia 55–65 × 7.5–10 µm; spores irregular, angular to lobed, 6–10.5 × 5.5–7 µm, with echinuli 0.8–1.5 µm long.

236. ***Thelephora anthocephala** Bull. : Fr., Epicr. syst. mycol. 355, 1838 / 2 / 3 / 30 Aug 1966 // 13, 21 / E.

237. **Thelephora caryophyllea** Schaeff. : Fr., Syst. mycol. 1: 430, 1821; – *Th. radiata* Fr. / 2 / 15 Aug 1956 / Komarova (1966) / 13, 30 / (S).

238. **Thelephora palmata** Scop. : Fr., Syst. mycol. 1: 432, 1821 / 10 / 8 Aug 1960 / Kuprevich (1931b) / 13, 20*, 21, *25* / E.

239. **Thelephora terrestris** Ehrh. : Fr., Syst. mycol. 1: 432, 1821 / 10 / 5 Sep 1962 / Lebedeva (1925b) / 2*, 10, 13*, 18, 19, 20, 26*, *27*, 30*, 32* / S, P, B, LM, (S).

This species has two striking forms: f. *terrestris* and f. *resupinata*; the resupinate form is treated in handbooks together with tomentelloid fungi, as in Jülich & Stalpers (1980). However, clear distinction of the two forms is not always possible because of variability in basidioma margin morphology.

f. **resupinata** Donk, Rev. Niederl. Homob. Aphyll. 2: 44, 1933 / 7 / 5 Sep 1962 / Yurchenko (2000a) / 10, 19, 20 / S, B, LM.

240. **Tomentella atramentaria** Rostr., Bot. Tidsskr. 19: 41, 1894 / 2 / 2 May 1994 / Yurchenko (2000d) / 10, 30 / S.

241. **Tomentella badia** (Link) Stalpers, Rev. Mycol. (Paris) 29: 98, 1957 / 2 / 4 Jun 1999 / Kõljalg (1996) / 10, *23** / S.

242. **Tomentella bryophila** (Pers. : Fr.) M.J. Larsen, Mycol. Mem. 4: 51, 1974; *T. pallidofulva* (Peck) Litsch. 'pallido-fulva' /// Komarova (1966) / *23**, 26* / S.

243. **Tomentella cinerascens** (P. Karst.) Höhn. & Litsch., Sitzungsber. K. Akad. Wiss. Wien, Math.-nat. Kl. I 115: 1570, 1906 /// Kõljalg (1996) / *23** / S.

244. **Tomentella cinereoumbrina** (Bres.) Stalpers, Stud. Mycol. 35: 96, 1993 / 3 / 2 Jun 1999 / Yurchenko (2000d) / 10, 21 / S.

245. **Tomentella coerulea** (Bres.) Höhn. & Litsch., Sitzungsber. K. Akad. Wiss. Wien, Math.-nat. Kl. I 116: 831, 1907 / 4 / 21 Oct 1964 / Yurchenko (2000d) / 10, 23 / S.

246. **Tomentella crinalis** (Fr.) M.J. Larsen, Taxon 16: 511, 1967 / 2 / 16 Sep 1956 / Yurchenko (2000d) / 4, 23 / S.

247. **Tomentella ellisii** (Sacc.) Jülich & Stalpers, Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk. II 74: 236, 1980 /// Kõljalg (1996) / *23** / S.

248. **Tomentella ferruginea** (Pers. : Fr.) Pat., Hym. Europ. 154, 1887 /// Kõljalg (1996) / *23** / S.

249. **Tomentella fuscocinerea** (Pers.) Donk, Med. Bot. Mus. Herb. Rijks-Univ. Utrecht 9: 30, 1933 / 4 / 3 Jun 1999 / Yurchenko (2000d) / 10, 21 / S, LM.

250. **Tomentella galzinii** Bourdot in Bourdot & Galzin, Bull. Soc. Mycol. France 40: 143, 1924 / 2 / 15 Jul 1997 / Yurchenko (2000a) / 10 / S.

251. **Tomentella lapida** (Pers.) Stalpers, Stud. Mycol. 24: 65, 1984 / 14 / 21 Oct 1964 / Kõljalg (1996) / 10, 21, *23** / S, LM.

252. **Tomentella lateritia** Pat., J. Bot. (Morot) 8: 221, 1894 / MSK 3947 / 23 Sep 1963 / Yurchenko (2000d) / 26 / S.

253. **Tomentella lilacinogrisea** Wakef., Trans. Brit. Mycol. Soc. 49: 360, 1966 /// Kõljalg (1996) / *23** / S.

254. **Tomentella punicea** (Alb. & Schwein. : Fr.) J. Schröt. in Cohn, Krypt.-Fl. Schles. 3 (1): 420, 1888; *T. griseoviolacea* Litsch. / 9 / 14 Jul 1997 / Kõljalg (1996) / 10, *23** / S, LM.

255. ***Tomentella radiosa** (P. Karst.) Rick, Brotéria Ci. Nat. 3: 79, 1934 / 3 / 5 Jun 1999 // 10 / S.

Kõljalg *et al.* (2000) indicate that, on the basis of molecular data, *T. radiosa* is supposedly a resupinate form of *Thelephora terrestris* basidiomata.

256. **Tomentella stuposa** (Link) Stalpers, Stud. Mycol. 24: 86, 1984 / 2 / 3 Jun 1999 / Yurchenko (2000d) / 10 / S.

257. **Tomentella sublilacina** (Ellis & Holw.) Wakef., Mycologia 52: 931, 1960 / 2 / 14 Jul 1997 / Kõljalg (1996) / 10, *23** / S.

258. **Tomentella subtestacea** Bourdot & Galzin, Bull. Soc. Mycol. France 40: 144, 1924 /// Kõljalg (1996) / *23** / S.

259. **Tomentella terrestris** (Berk. & Broome) M.J. Larsen, Mycol. Mem. 4: 105, 1974 / 3 / 4 Jun 1999 / Yurchenko (2000d) / 10, 13 / S, LM.

260. **Tomentellopsis echinospora** (Ellis) Hjortstam, Svensk Bot. Tidskr. 64 (4): 426, 1970 / 3 / 21 Sep 2001 / Kõljalg, 1996 / 13, *23** / S, LM.

261. **Trechispora byssinella** (Burdot) Liberta, Taxon 15 (8): 318, 1966 / MSK 4362 / 14 Nov 1997 / Yurchenko (1998c) / 10 / S.

262. **Trechispora farinacea** (Pers. : Fr.) Liberta, Taxon 15 (8): 318, 1966. – *Cristella farinacea* (Pers. : Fr.) Donk / 5 / 3 Jun 1999 / Komarova (1966) / 10, 30* / S, LM.

263. **Trechispora microspora** (P. Karst.) Liberta, Taxon 15 (8): 319, 1966. – *Cristella microspora* (P. Karst.) Parmasto / 21 / 21 Oct 1964 / Komarova (1966) / 10, 12, 13, 14, 18, 19*, 26 / S, LM.

264. **Trechispora nivea** (Pers. : Fr.) K.H. Larss., Symb. Bot. Upsal. 30: 110, 1995. – *Grandinia nivea* (Pers. : Fr.) S. Lundell /// Komarova & Golovko (1966) / 26*, *30** / S.

265. **Trechispora subsphaerospora** (Litsch.) Liberta, Canad. J. Bot. 51 (10): 1887, 1973 / 4 / 3 Jun 1999 / Yurchenko (2001a) / 10 / S.

266. **Tubulicrinis angustus** (D.P. Rogers & Weresub) Donk, Fungus 26: 14, 1956 / 2 / 10 Jul 1998 / Yurchenko (2000a) sub nom. *T.* aff. *angustus*, Yurchenko (2001c) / 10, 14 / S.

MSK 4453 has cystidia up to 7.5 µm wide, short basidia, 13.5–17 µm, and short spores, 5–6.5 (11) µm. In MSK 6083 cystidia 5–7.5 (9.2) µm wide, spores 6–7 µm long.

267. **Tubulicrinis glebulosus** (Fr.) Donk, Fungus 26: 14, 1956. – *Peniophora glebulosa* (Fr.) Sacc. & Syd. / 9 / 5 Sep 1962 / Lebedeva (1925b) / 10, 13, 26*, 30* / S.

268. **Tubulicrinis subulatus** (Bourdot & Galzin) Donk, Fungus 26: 14, 1956 / 18 / 28 May 1997 / Yurchenko (1998b) / 10, 12, 23 / S, LM.

269. ***Tulasnella intrusa** Hauerslev, Op. bot. Soc. bot. Lund 100: 114, 1989 / MSK 4435 / 11 Jul 1998 // 10 / P.

A badly known species, found parasitizing a basidioma of *Botryobasidium subcoronatum*.

270. ***Tulasnella pruinosa** Bourdot & Galzin, Bull. Soc. Mycol. France 39: 264, 1923 / 2 / 24 Sep 1999 // *1*, 10 / S.

271. ***Tulasnella violea** (Quél.) Bourdot & Galzin, Bull. Soc. Mycol. France 25 (1): 31, 1909 / 4 / 3 Jun 1999 // 10, 26 / S, B, LM.

272. **Tylospora fibrillosa** (Burt) Donk, Taxon 9: 220, 1960 / 5 / 3 Jun 1999 / Yurchenko (2000d) / 10 / S, LM.

273. ***Typhula anceps** P. Karst., Bidrag Kännedom Finlands Natur Folk 48: 386, 1889 / MSK 3694 / 10 Sep 2000 // 31 / S.

274. ***Typhula erythropus** (Pers. : Fr.) Fr., Syst. mycol. 1: 495, 1821 / 2 / 23 Sep 2000 // 13 / S.

275. **Typhula incarnata** Lasch : Fr., Epicr. syst. mycol. 585, 1838 /// Chekalinskaya (1986) // P.

276. **Typhula trifolii** Rostr. in Lind, Dan. Fungi Herb. Rostrup 365, 1913 /// Dorozhkin *et al.* (1978) // P.

277. **Uthatobasidium fusisporum** (J. Schröt.) Donk, Fungus 28: 22, 1958 / 3 / 21 Oct 1964 / Yurchenko (2000d) / 10, 13, *14* / S, LM.

278. **Vararia investiens** (Schwein.) P. Karst., Bidrag Kännedom Finlands Natur Folk 62: 96, 1903 /// *Bondarceva & Parmasto (1986)* // S.

279. ***Vuilleminia alni** Boidin, Lanquetin & Gilles, Bull. Soc. Mycol. France 110 (2): 95, 1994 / 2 / 7 Nov 1997 // 13, *31* / S.

280. **Vuilleminia comedens** (Nees : Fr.) Maire, Bull. Soc. Mycol. France 18 (Suppl.): 81, 1902 / 10 / 1 May 1996 / Komarova *et al.* (1968) / 10, 13, 23*, 24, 30 / S, RD.

281. **Xylobolus frustulatus** (Pers. : Fr.) Boidin, Rev. Mycol. (Paris) 23: 341, 1958. – *Stereum frustulosum* Pers. : Fr. – *S. frustulatum* (Pers. : Fr.)

Fuckel / 16 / 27 Aug 1957 / Lebedeva (1925b) / 13*, 19, 23, 26, *29**, 30 / S, P.

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