

FUNGI OF USSURI RIVER VALLEY

乌苏里江流域真菌

Edited by
Y. Li and Z. M. Azbukina



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Summary

The present work sums up the current knowledge on the occurrence and distribution of fungi in Ussuri River Valley. It is the result of a three year study based on the collections made in 2003, 2004, and 2009. In all 2862 species are recognized. In the enumeration, the fungi are listed alphabetically by genus and species for each major taxonomic groups. Collection data include the hosts, place of collection, collecting date, collector(s) and field or herbarium number. This is the most comprehensive checklist of fungi to date in the Ussuri region and useful reference material to all those who are interested in Mycology.

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Introduction

Yu LI, Zinaida M. AZBUKINA

Rising in mountainous region at the extreme south end of Primorsky Territory and flowing north to join the Amur (Heilongjiang River) near Khabarovsk and Fuyuan, Ussuri River forms a boundary between Primorsky Territory of Russian Far East and Northeast China. A west tributary of upper course of the river is outlet for Lake Khanka (Xingkaihu). The climate of the Ussuri valley is continental but influenced by the monsoon to some extent, with annual precipitation of about 500-600 mm and annual temperatures ranging between 3-4°C in the south and about 2°C in the north. The vegetation is mainly coniferous broad-leaved mixed forest. The characteristic tree species include *Pinus koraiensis* Siebold & Zucc., *Quercus mongolica* Fisch. ex Ledeb., *Tilia amurensis* Rupr., *Fraxinus mandshurica* Rupr., *Phellodendron amurense* Rupr., *Juglans mandshurica* Maxim., etc. In the south of Ussuri, the forest vegetation also includes a significant component of endemic trees such as *Abies holophylla* Maxim., *Pinus takahasii* Nakai, *Acer mandshuricum* Maxim., etc.

The Ussuri region in Russia is often considered to be one of the best mycologically documented areas. However, little detailed information has been available for a sizable area in China's side of the river. The rapid economical development in this region is accompanied by a large amount of loss of natural habitat, especially at China's side. Therefore, investigation of fungal biodiversity of this region is extremely urgent. The aim of this study is to acquire further knowledge of fungal biodiversity in the whole Ussuri region extending across the bounds of two countries and to publish a checklist of taxa collected at both sides of the river. We believe that the assessment of fungal biodiversity in the region could lay the foundations for future mycological conservation plans and measures.

Floristic field surveys were carried out by mycologists of Institute of Biology and Soil Science, Far East Branch of the Russian Academy of Sciences, Vladivostok, and Engineering Research Center of Chinese Ministry of Education for Edible and Medicinal Fungi, Jilin Agricultural University, Changchun. Collectors include Y. Li, Z.M. Azbukina, T. Bau, A.V. Bogacheva, E.M. Bulakh, L.N. Vasilyeva, L.N. Egorova, O.K. Govorova, J.Y. Zhuang, and P. Liu. A total of 40 days was spent in fieldwork in September of 2003, August of 2004, and July of 2009. Our efforts were largely focused on areas of Chinese territory including northern side of Lake Khanka (Xingkaihu), Hulin, Raohe and Fuyuan, and areas of Russian territory including the southern side of Lake Khanka, Ussuriysk, Vladivostok, and the surrounding areas of Khabarovsk. The result is a checklist of 2862 species, based on our own studies on

the collections mainly made by the investigators mentioned above. Earlier collections made by other investigators are also included. Within the major taxonomic groups, the fungi are listed alphabetically by genus and species. Specimen collection data include the host or substrate, place of collections, collecting date, collector (s), field or herbarium number. In addition, we have also included some literature records without citation of specimens, checked from earlier or more recent publications in order to enrich the checklist to the full extent. The specimens are preserved at the Herbarium of Institute of Mycology, Jilin Agricultural University, Changchun, China (HMJAU) and the Herbarium of Institute of Biology and Soil Science, Far East Branch of the Russian Academy of Sciences, Vladivostok, Russia (VLA). The main identification system used in this book is referring to "The Dictionary of Fungi (9th edition)" except a few changes.

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Ascomycetes: Sordariomycetidae, Dothideomycetidae, Erysiphomycetidae, Rhytismomycetidae

Larissa N. VASILYEVA

The checklist that follows is based upon specimens collected by the author in Russia (Primorsky Territory: Ussuriysk Nature Reserve, Khanka Nature Reserve, Big Khekhtsir Nature Reserve, Bastak Nature Reserve) and China (Heilongjiang Province: Xingkaihu Nature Reserve, Weihushan Nature Reserve, in the vicinity of Sanjiang Nature Reserve, as well as in and around Hulin, Raohe, and Fuyuan).

Only 20 species of pyrenomycetes and loculoascomycetes has been reported previously for Heilongjiang Province (Teng, 1964; Kobayashi, Zhao, 1989), and eight of these were collected again in the Ussuri River Valley, namely *Cryptosphaeria populina* (Pers.) Sacc. (now *C. lygniota*), *Diatrype tumida* Ellis & Everh. (now *Eutypella leprosa*), *Diatrypella favacea* (Fr.) Nitschke, *Dothidea collecta* (Schwein.) Ellis & Everh. (now *D. puccinioides*), *Hypospilina oharana* (Y. Nisik. & H. Matsumoto) Katum. & Y. Harada (now *Stegophora oharana*), *Hypoxylon marginatum* (Schwein.) Berk. (now *H. annulatum*), *Polystigma fulvum* DC., and “*Xylaria corniformis*” (Fr.) Fr. However, results obtained in recent studies have indicated that the specimens of the latter species from the north-eastern Asia should be re-identified as *Xylaria primorskensis* Y.-M. Ju, H.-M. Hsieh, Lar.N. Vassiljeva & Akulov (Ju et al., 2009).

While reporting *Hypoxylon rubiginosum* (Pers. : Fr.) Fr., Teng (1964) has followed Miller's (1961) concept of that species, but the latter has been recognized as also including *H. perforatum* (Schwein. : Fr.) Fr. Only *H. perforatum* was found again in Heilongjiang Province, although *H. rubiginosum* could have been expected. As to *Daldinia concentrica* (Bolton : Fr.) Ces. et De Not. (Teng, 1964), this species seems to be excluded from the checklists of fungi collected in East Asia. Drs. Yu-Ming Ju and Marc Stadler (pers. comm.) unanimously think that *D. concentrica* does not occur here and all the collections under this name should be reconsidered.

Sometimes, it was difficult to judge the occurrence of a particular species because of differences in species concepts. Thus, the checklist contains *Biscogniauxia pezizoides*, which is not reported for China. However, the concept of *B. repanda* (Fr. : Fr.) Kuntze that is used (Teng, 1964) (as *Nummularia repanda*) might encompass the former species. Unfortunately, Teng almost

never referred to the host plants of stromatic pyrenomycetes, which are not so plurivorous as they were once thought to be. In the case of two last species, *B. repanda* is restricted to *Sorbus* spp., while *B. pezizoides* occurs on *Ulmus* spp. (rarely on *Acer* spp.). Some other examples of “segregates” that were not known in China previously are *Rosellinia corticium* and *Diatrype macounii*, which could be identified as *Rosellinia aquila* (Fr. : Fr.) De Not. and *Diatrype bullata* (Hoffm. : Fr.) Fr., respectively (Teng, 1964; Tai, 1979; Eriksson, Yue, 1988).

A number of species described from the Russian Far East (Vasilyeva, 1998) were also found in China. Examples include *Chromendothia citrina*, *Cryptosphaeria exornata*, *Daldinia gelatinoides*, *Melogramma corylina*. The species newly found in China are marked by a single asterisk. This information was derived as a result of studying numerous published works (Teng, 1964; Tai, 1979; Eriksson, Yue, 1988; Yuan, Zhao, 1993; Liu, Doi, 1995; Liang et al., 1995; Abe, Liu, 1996; Liu et al., 2000; Zhuang, Sun, 2001; Liu et al., 2002; Wang, Liu, 2002; Zhang, Zhuang, 2003; Bau, 2005; Zhuang, 2005; Luo, Zhuang, 2008). The species newly recorded in East Asia (either in Russia or in China) are marked by two asterisks. Several new species were described recently. These are *Rossmania ukurunduensis* (Vasilyeva, 2001), *Daldinia carpinicola* (Vasilyeva, Stadler, 2008), *Diaporthella corylina*, *Leucodiaporthe juglandis*, *Leucostoma pseudoniveum*, *Phragmodiaporthe padi* (Vasilyeva et al., 2007). Types of three latter species were collected in Heilongjiang Province. These species known only from north-eastern Asia are marked by three asterisks.

The division of the class Ascomycetes into subclasses is given in accordance with the electronic resource www.biolib.cz except for the group Rhytismomycetidae created informally for the order Rhytismatales.

ASCOMYCETES

SORDARIOMYCETIDAE

CALOSPHERIALES

CALOSPHERIACEAE

Calosphaeria pusilla (Wahlenb.) P. Karst.

On dead branches of *Betula* sp., Raohe, 7 Aug. 2004, L.N. Vasilyeva, VLA P-1450.

CORONOPHORALES

CORONOPHORACEAE

* *Coronophora angustata* Fuckel

On dead branches of *Betula* sp., Fuyuan: Chuangxin, 5 Aug. 2004, L.N. Vasilyeva, VLA

P-1469.

**** *Fracchiacea subcongregata*** (Berk. & M.A. Curtis) Ellis & Everh.

On dead branch of *Acer* sp., Big Khekhtsir Nature Reserve, 27 Aug. 1983, L.N. Vasilyeva, VLA P-1397. - The name of this species was indicated (Vasilyeva, 1998) as a synonym of *F. broomeana* (Berk.) Petch, but the latter species has larger ascospores.

Loranitschkia viticola Lar.N. Vassiljeva.

On dead *Vitis amurensis* Rupr., Ussuriysk Nature Reserve, 27 Aug. 1989, L.N. Vasilyeva, VLA P-235; Bastak Nature Reserve, 19 Aug. 2004, L.N. Vasilyeva, VLA P-334.

Nitschkia floridana Fitzp.

On decayed wood, Ussuriysk Nature Reserve, 21 Aug. 1989, L.N. Vasilyeva, VLA P-357.

Tympanopsis confertula (Schwein.) Lar.N. Vassiljeva

On dead branches of *Fraxinus* sp., Big Khekhtsir Nature Reserve, 28 Aug. 1983, L.N. Vasilyeva, VLA P-1373. - On wood, Hulin: Dongfanghong, Sept. 3, 2003, L.N. Vasilyeva, VLA P-1731.

DIAPORTHALES

GNOMONIACEAE

Apiothecium veprii (Delacr.) Lar.N. Vassiljeva

On dead stems of *Rubus sachalinensis* Lévl., Big Khekhtsir Nature Reserve, 25 Aug. 1983, L.N. Vasilyeva, VLA P-1865.

*** *Gnomonia setacea*** (Pers. : Fr.) Ces. & De Not.

On dead leaves of *Quercus mongolica* Fisch. ex Ledeb., Hulin: 854 State Farm, 2 Sept. 2003, L.N. Vasilyeva, VLA P-1903.

Mamiania fimbriata (Pers.: Fr.) Ces. & De Not.

On living leaves of *Carpinus cordata* Blume, Ussuriysk Nature Reserve, 11 Sept. 1962, I.A. Bunkina, VLA P-238.

Mamianiella coryli (Batsch : Fr.) Höhn.

On living leaves of *Corylus mandshurica* Maxim., Ussuriysk Nature Reserve, Sept. 1953, I.A. Bunkina, VLA P-259.

Plagiostoma devexum (Desm.) Fuckel

On dead stems of *Polygonum* sp., Big Khekhtsir Nature Reserve, 22 Aug. 1983, L.N. Vasilyeva, VLA P-1042.

Stegophora oharana (Y. Nisik. & H. Matsumoto) Petr.

On living leaves of *Ulmus japonica* (Rehd.) Sarg., Ussuriysk Nature Reserve, 30 Sept. 1962, L. Gurskaya, VLA P-368; Big Khekhtsir Nature Reserve, 26 Jun. 1981, V.N. Frolova,

VLA P-373.

VALSACEAE

* *Allantoportha tessella* (Pers. : Fr.) Petr. Plate 1: 1

On dead branches of *Salix* spp., Ussuriysk Nature Reserve, 27 Aug. 1989, L.N. Vasilyeva, VLA P-1; Raohe, 7 Aug. 2004, L.N. Vasilyeva, VLA P-1904.

Anisogramma anomala (Peck) E. Müll.

On living branches of *Corylus mandshurica* Maxim., Ussuriysk Nature Reserve, 28 Aug. 1989, L.N. Vasilyeva, VLA P-22. - On living branches of *Corylus heterophylla* Fisch. ex Trautv., Khanka Nature Reserve, 18 Jun. 2003, L.N. Vasilyeva, VLA P-20; Bastak Nature Reserve, 19 Aug. 2004, L.N. Vasilyeva, VLA P-25.

** *Diaporthe crataegi* (Curr.) Nitschke

On dead branches of *Crataegus pinnatifida* Bunge, Khanka Nature Reserve, L.N. Vasilyeva, 18 Jun. 2003, VLA P-1846.

Diaporthe decedens (Fr.) Fuckel

On dead branches of *Corylus heterophylla* Fisch. ex Trautv., Bastak Nature Reserve, 19 Aug. 2004, L.N. Vasilyeva, VLA P-56.

Diaporthe fibrosa (Pers. : Fr.) Nitschke

On dead branches of *Rhamnus ussuriensis* Ja. Vassil., Khanka Nature Reserve, 19 Jun. 2003, L.N. Vasilyeva, VLA P-1860.

Diaporthe oncostoma (Duby) Fuckel

On dead branches of *Maackia amurensis* Rupr. et Maxim., Bastak Nature Reserve, 19 Aug. 2004, L.N. Vasilyeva, VLA P-901.

*** *Diaporthella corylina* Lar.N. Vassiljeva Plate 1: 2

On dying stems of *Corylus* sp., Fuyuan, 4 Aug. 2004, L.N. Vasilyeva, VLA P-1866.

Hercoportha coryli Lar.N. Vassiljeva

On dead branches of *Corylus mandshurica* Maxim., Ussuriysk Nature Reserve, 29 Aug. 1989, L.N. Vasilyeva, VLA P-159.

*** *Leucodiaporthe juglandis* Lar.N. Vassiljeva Plate 1: 3

On dead branches of *Juglans mandshurica* Maxim., Hulin, 2 Sept. 2003, L.N. Vasilyeva, VLA P-1867.

* *Leucodiaporthe maackii* (Lar.N. Vassiljeva) M.E. Barr & Lar.N. Vassiljeva (= *Cryphonectria maackii* Lar.N. Vassiljeva) Plate 1: 4

On *Maackia amurensis* Rupr. et Maxim., Big Khekhtsir Nature Reserve, 12 Oct. 1981, L.N. Vasilyeva, VLA P-1362; Ussuriysk Nature Reserve, 29 Aug. 1989, L.N. Vasilyeva, VLA P-332; Hulin: 854 State Farm, 2 Sept. 2003, L.N. Vasilyeva, VLA P-1905; Bastak Nature Reserve, 18 Aug. 2004, L.N. Vasilyeva, VLA P-234.

***Leucostoma diatrypa* (Fr. : Fr.) Höhn.**

On dead branches of *Betula* sp., Ussuriysk Nature Reserve, 23 Aug. 1989, L.N. Vasilyeva, VLA P-212.

**** *Leucostoma excipienda* (P. Karst.) Lar.N. Vassiljeva**

On dead branches of *Padus avium* Mill., Weihushan Nature Reserve: Northern Tiger Forest Garden, 9 Aug. 2004, L.N. Vasilyeva, VLA P-1670.

***** *Leucostoma pseudoniveum* Lar.N. Vassiljeva Plate 1: 5**

On the bark of *Populus* sp., Fuyuan, 4 Aug. 2004, L.N. Vasilyeva, VLA P-1906; Bastak Nature Reserve, 19 Aug. 2004, L.N. Vasilyeva, VLA P-1907.

*** *Melanconis carthusiana* Tul.**

On *Juglans mandshurica* Maxim., Ussuriysk Nature Reserve, 14 Aug. 1989, L.N. Vasilyeva, VLA P-271; Hulin: 854 State Farm, 2 Sept. 2003, L.N. Vasilyeva, VLA P-1908.

*** *Melanconis leiphaemia* (Fr. : Fr.) Lar.N. Vassiljeva**

On *Quercus mongolica* Fisch. ex Ledeb., Big Khekhtsir Nature Reserve, 23 Aug. 1983, L.N. Vasilyeva, VLA P-796; Hulin: Hutou, 4 Sept. 2003, L.N. Vasilyeva, VLA P-1683; Fuyuan, 4 Aug. 2004, L.N. Vasilyeva, VLA P-1682.

*** *Melanconis stilbostoma* (Fr. : Fr.) Tul.**

On dead branches of *Betula* sp., Big Khekhtsir Nature Reserve, 18 Oct. 1981, L.N. Vasilyeva, VLA P-1839; Hulin: 854 State Farm, 2 Sept. 2003, L.N. Vasilyeva, VLA P-1688.

***Melanconis thelebola* (Fr.) Sacc.**

On dead branches of *Alnus hirsuta* (Spach) Fisch. ex Rupr., Ussuriysk Nature Reserve, 12 Aug. 1989, L.N. Vasilyeva, VLA P-338.

*** *Ophiovalsa betulae* (Tul. & C. Tul.) Petr.**

On dead branches of *Betula* sp., Sanjiang Nature Reserve: Dongxing cun, 5 Aug. 2004, L.N. Vasilyeva, VLA P-1702.

**** *Ophiovalsa corylina* (Tul. & C. Tul.) Petr.**

On dead branches of *Corylus heterophylla* Fisch. ex Trautv., Khanka Nature Reserve, 18 Jun. 2003, L.N. Vasilyeva, VLA P-1851.

***Ophiovalsa suffusa* (Fr. : Fr.) Petr.**

On dead branches of *Alnus hirsuta* (Spach) Turcz. ex Rupr., Bastak Nature Reserve, 18 Aug. 2004, L.N. Vasilyeva, VLA P-1849.

***Ophiovalsa tiliae* (Tul. & C. Tul.) Petr.**

On dead branches of *Tilia* sp., Khanka Nature Reserve, 21 Jun. 2004, L.N. Vasilyeva, VLA P-1852.

***** *Phragmodiaporthe padi* Lar. N. Vassiljeva**

On dead branches of *Padus avium* Mill., Weihushan Nature Reserve, Northern Tiger Forest Garden, 9 Aug. 2004, L.N. Vasilyeva, VLA P-1870.

***** *Rossmania ukurunduensis* Lar.N. Vassiljeva**

On dead branches of *Acer ukurunduense* Trautv. et Mey., Big Khekhtsir Nature Reserve, 28 Aug. 1983, L.N. Vasilyeva, VLA P-360.

***Valsa ambiens* (Pers. : Fr.) Fr. Plate 1: 6**

On dead branches of *Ulmus japonica* (Rehd.) Sarg., Ussuriysk Nature Reserve, 21 Oct. 1956, I.A. Bunkina, VLA P-721. - On dead branches *Tilia amurensis* Rupr., Hulin, 2 Sept. 2003, L.N. Vasilyeva, VLA P-1735.

***Valsa ceratosperma* (Tode : Fr.) Maire**

On dead branches of deciduous trees, Ussuriysk Nature Reserve, 23 Aug. 1989, L.N. Vasilyeva, VLA P-375; Hulin: Dongfanghong, 3 Sept. 2003, L.N. Vasilyeva, VLA P-1736.

*** *Valsa germanica* Nitschke**

On dead branches of *Salix* sp., Weihushan Nature Reserve: Northern Tiger Forest Garden, 9 Aug. 2004, L.N. Vasilyeva, VLA P-1737.

**** *Valsa leucostomoides* Peck**

On dead branches of *Acer* sp., Big Khekhtsir Nature Reserve, 16 Oct. 1981, L.N. Vasilyeva, VLA P-1853.

***Valsa salicina* (Pers. : Fr.) Fr.**

On dead branches of *Salix* spp., Ussuriysk Nature Reserve, 21 Oct. 1956, A.A. Ablakatova, VLA P-731; Big Khekhtsir Nature Reserve, 16 Aug. 2004, L.N. Vasilyeva, VLA P-1864.

***Valsa sordida* Nitschke**

On dead branches of *Salix* sp., Big Khekhtsir Nature Reserve, 19 Sept. 1982, L.N. Vasilyeva, VLA P-376. - On dead branches of *Populus* sp., Raohe: Shengli State Farm, 6 Sept. 2003, L.N. Vasilyeva, VLA P-1871.

DIATRYPALES

DIATRYPACEAE

***Amphisphaerella lonicericola* (Z.Q. Yuan & Z.Y. Zhao) Lar.N. Vassiljeva**

On dead branches of *Lonicera* sp., Ussuriysk Nature Reserve, 29 Aug. 1989, L.N. Vasilyeva, VLA P-442.

***Amphisphaerella xylostei* (Pers. : Fr.) Munk**

On dead branches of *Lonicera* sp., Ussuriysk Nature Reserve, 27 Aug. 1989, L.N. Vasilyeva, VLA P-445.

***Azbukinia ferruginea* (Fuckel) Lar.N. Vassiljeva**

In wood of dead branches *Fraxinus* spp., Big Khekhtsir Nature Reserve, 25 Sept. 1982, L.N. Vasilyeva, VLA P-29; Ussuriysk Nature Reserve, 18 Aug. 1989, L.N. Vasilyeva,

VLA P-30.

***Biscogniauxia cinereolilacina* (J.H. Mill.) Pouzar**

On *Tilia amurensis* Rupr., Ussuriysk Nature Reserve, 27 Aug. 1989, L.N. Vasilyeva, VLA P-13; Big Khlekhtsir Nature Reserve, 15 Aug. 2004, L.N. Vasilyeva, VLA P-16; Bastak Nature Reserve, 19 Aug. 2004, L.N. Vasilyeva, VLA P-19.

*** *Biscogniauxia granmoi* Lar.N. Vassiljeva**

On *Padus avium* Mill., Big Khlekhtsir Nature Reserve, 24 Sept. 1982, L.N. Vasilyeva, VLA P-33; Ussuriysk Nature Reserve, 10 Aug. 1989, L.N. Vasilyeva, VLA P-38; Khanka Nature Reserve, 21 Jun. 2003, L.N. Vasilyeva, VLA P-34; Hulin: Wulindong, 4 Sept. 2003, L.N. Vasilyeva, VLA P-1430.

***Biscogniauxia mandshurica* Lar.N. Vassiljeva Plate 2: 7**

On dead branches *Malus mandshurica* (Maxim.) Kom., Ussuriysk Nature Reserve, 23 Aug. 1989, L.N. Vasilyeva, VLA P-39; Khanka Nature Reserve, 21 Jun. 2003, L.N. Vasilyeva, VLA P-40.

***Biscogniauxia marginata* (Fr. : Fr.) Pouzar**

On dead branches of *Malus baccata* (L.) Borkh., Khanka Nature Reserve, 21 Jun. 2004, L.N. Vasilyeva, VLA P-1850.

***Biscogniauxia maritima* Lar.N. Vassiljeva**

On dead branches of *Quercus mongolica* Fisch. ex Ledeb., Ussuriysk Nature Reserve, 28 Aug. 1989, L.N. Vasilyeva, VLA P-45; Bastak Nature Reserve, 18 Aug. 2004, L.N. Vasilyeva, VLA P-42.

***Biscogniauxia mediterranea* (De Not.) Kuntze**

On dead branches of *Quercus mongolica* Fisch. ex Ledeb., Big Khlekhtsir Nature Reserve, 24 Sept. 1982, L.N. Vasilyeva, VLA P-1408; Khanka Nature Reserve, 18 Jun. 2003, L.N. Vasilyeva, VLA P-1862; Hulin: 854 State Farm, 2 Sept. 2003, L.N. Vasilyeva, VLA P-1437; Sanjiang Nature Reserve: Dongxing cun, 5 Aug. 2004, L.N. Vasilyeva, VLA P-1438.

**** *Biscogniauxia mediterranea* var. *microspora* (J.H. Mill.) Y.M. Ju & J.D. Rogers**

On dead branches of *Corylus heterophylla* Fisch. ex Trautv., Khanka Nature Reserve, 18 Jun. 2003, L.N. Vasilyeva, VLA P-1861.

*** *Biscogniauxia pezizoides* (Ellis & Everh.) Kuntze Plate 2: 8**

On dead branches of *Ulmus* spp., Big Khlekhtsir Nature Reserve, 22 Aug. 1983, L.N. Vasilyeva, VLA P-278; Ussuriysk Nature Reserve, 27 Aug. 1989, L.N. Vasilyeva, VLA P-273; Khanka Nature Reserve, 21 Jun. 2003, L.N. Vasilyeva, VLA P-272; Xingkaihu Nature Reserve, 1 Sept. 2003, L.N. Vasilyeva, VLA P-1439; Fuyuan, 4 Aug. 2004, L.N. Vasilyeva, VLA P-1441. - On dead branches of *Acer mono* Maxim., Hulin: Wulindong, 4 Sept. 2003, L.N. Vasilyeva, VLA P-1442.

**** *Biscogniauxia simplicior* Pouzar**

On dead branches of *Rhamnus* spp., Big Khlekhtsir Nature Reserve, 20 Jun. 2000, L.N.

Vasilyeva, VLA P-1773; Khanka Nature Reserve, 21 Jun. 2003, L.N. Vasilyeva, VLA P-1863.

* ***Biscogniauxia succenturiata*** (Tode : Fr.) Kuntze

On *Quercus mongolica* Fisch. ex Ledeb., Xingkaihu Nature Reserve, 1 Sept. 2003, L.N. Vasilyeva, VLA P-1444.

Camarops polysperma (Mont.) J.H. Mill.

On dead branches of *Alnus hirsuta* (Spach) Turcz. ex Rupr., Big Khekhtsir Nature Reserve, 2 Aug. 2000, K.N. Tkachenko, VLA P-1403.

* ***Cryptosphaeria exornata*** Lar.N. Vassiljeva Plate 2: 9

On dead branches and trunks of *Fraxinus* spp., Big Khekhtsir Nature Reserve, 24 Aug. 1983, L.N. Vasilyeva, VLA P-290; Ussuriysk Nature Reserve, 23 Aug. 1989, L.N. Vasilyeva, VLA P-300; Khanka Nature Reserve, 21 Jun. 2003, L.N. Vasilyeva, VLA P-289; Hulin: Dongfanghong, Sept. 3, 2003, L.N. Vasilyeva, VLA P-1477.

Cryptosphaeria lygniota (Fr.) Auersw.

On dead branches of *Populus* spp., Big Khekhtsir Nature Reserve, 19 Aug. 1983, L.N. Vasilyeva, VLA P-1872; Ussuriysk Nature Reserve, 28 Aug. 1989, L.N. Vasilyeva, VLA P-1873; Xingkaihu Nature Reserve, 1 Sept. 2003, L.N. Vasilyeva, VLA P-1478.

Cryptosphaeria subcutanea (Wahlenb. : Fr.) Rappaz

On dead branches of *Salix* sp., Ussuriysk Nature Reserve, 23 Aug. 1989, L.N. Vasilyeva, VLA P-305.

Cryptosphaeria venusta Lar.N. Vassiljeva Plate 2: 10

On dead branches of *Betula* spp., Big Khekhtsir Nature Reserve, 27 Aug. 1983, L.N. Vasilyeva, VLA P-314; Ussuriysk Nature Reserve, 13 Aug. 1989, L.N. Vasilyeva, VLA P-312.

*** ***Cryptovalsaria rossica*** Lar.N. Vassiljeva & S.L. Stephenson

On living trunk of *Alnus hirsuta* (Spach) Turcz. ex Rupr., Big Khekhtsir Nature Reserve, 2 Aug. 2000, K.N. Tkachenko, VLA P-1118.

Diatrype acericola De Not.

On dead branches of *Acer mono* Maxim., Big Khekhtsir Reserve, 28 Aug. 1983, L.N. Vasilyeva, VLA P-67; Ussuriysk Nature Reserve, 23 Aug. 1989, L.N. Vasilyeva, VLA P-78; Khanka Nature Reserve, 21 Jun. 2003, L.N. Vasilyeva, VLA P-69; Bastak Nature Reserve, 19 Aug. 2004, L.N. Vasilyeva, VLA P-68.

Diatrype albopruinosa (Schwein.) Cooke Plate 2: 11

On dead branches of *Maackia amurensis* Rupr. et Maxim., Sanjiang Nature Reserve: Dongxing cun, 5 Aug. 2004, L.N. Vasilyeva, VLA P-1489. - On dead branches of *Padus avium* Mill., Weihushan Nature Reserve: Northern Tiger Forest Garden, 9 Aug. 2004, L.N. Vasilyeva, VLA P-1488.

Diatrype hypoxylodes De Not.

On dead branches of *Quercus mongolica* Fisch. ex Ledeb., Big Khekhtsir Nature Reserve, 25 Sept. 1982, L.N. Vasilyeva, VLA P-416; Ussuriysk Nature Reserve, 28 Aug. 1989, L.N.