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Notes on *Pyrenomycetes* and *Coelomycetes* from North Lithuania

ANDRZEJ CHLEBICKI*, AUŠRA TREIGIENE**

*Polish Academy of Science, Laboratory of Mycology, W. Szafer Institute of Botany, Podwale 75, PL-50-449 Wrocław, Poland
** Institute of Botany, Žaliuju ežeru 47, 2021 Vilnius, Lithuania

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The paper presents the localities of pyrenomycetous and coelomycetous fungi. Forty three are reported as new to the mycoflora of Lithuania; among them are *Discosia faginea, D. strobilina, Eutypa astroidea, Gibbera cassandrae, Gloeosporium saponariae, Hypoxylon atropurpureum, H. mammatum, Myxocyclus polycistis, Mycosphaerella pontederiae, Phyllosticta coryli, P. lantanae, P. pirina*. Microfungi have been collected on 62 species of host plants.

Key words: Lithuania, *Pyrenomycetes, Coelomycetes*, distribution.

INTRODUCTION

The present paper is the third in a series of publications dealing with pyrenomycetous and coelomycetous fungi in Lithuania (Chlebicki, 1993; Chlebicki, Bujakiewicz, 1994). Chlebicki gathered material in 1991 from 13 localities. Many interesting fungi have been collected from European ash and aspen, forest in North-Lithuania. The forest called here "osiny" is of anthropogenic origin (Hryniewiecki, 1933). Treigiene gathered material in 1989-1992 from 26 localities. This work records the localities of fungi belonging to *Pyrenomycetes* (71 taxa) and *Coelomycetes* (64 taxa).

The oldest, known collection of microfungi was gathered by J. Jundziłł in the XIX century (Kohler, 1995). Jaczewski gathered microfungi near Blinstrubiškiai (Blistrubiszki) in 1908. In Jundziłł materials the first author distinguished seven species. A number of other studies were undertaken by Vilkaitis (1927), Brundza (1930), Kruszyński (1934, 1937), Michalski (1936), Trzebiński (1934, 1937) and Mowszowicz (1938, 1957). The first intensive investigation of "*Pyrenomycetes*" was made by Žuklys (1963) and Rukšeniene (1989, 1992, 1993). *Melanconiales* were elaborated by Ignatavičute

(1981, 1984), Treigiene, Ignatavičiute (1993 a, 1993 b) and Treigiene (1993 a, 1993 b, 1993 c).

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LIST OF SPECIES

Abbreviations: KRAM-Chleb. – KRAM-Chlebicki; BILAS-Tr. – BILAS-Treigiene; E-L – East Lithuania; W-L – West Lithuania; N-L – North Lithuania; S-L – South Lithuania; C-L – Central Lithuania; NW-L – Northwest Lithuania; NE-L – Northeast Lithuania; SE-L – Southeast Lithuania. All new species for Lithuania are marked by asterisk*.

Collecting sites of A. Chlebicki (at first is given name of district):

C1 – Ignalina, Aukštaitijos National Park (E-L)
C2 – Pasvalys, Joniškelis, Lepšyne Forest (N-L)
C3 – Pasvalys, Joniškelis, Girele Forest (N-L)
C4 – Pasvalys, Joniškelis, the old manorial park (N-L)
C5 – Ignalina, environs of Vyšniava near Visaginas (NE-L)
C6 – Daugpils, environs of Kovališki (SE-Latvia)
C7 – Radviliškis, environs of Daugirdai, between Siauliai and Poneveżys (N-L)
C8 – Pakruojis, at the bank of Eżerele River, (N-L)
C9 – Kupiškis, environs of Kupiškis, (NE-L)
C10 – Radviliskis, environs of Sniuračiai, at the bank of Kruoja River (N-L)
C11 – Pakruojis, environs of Poskečiai, (N-L)
C12 – Šiauliai, environs of Liutkunai (N-L)
C13 – Anyksčiai, at the bank of Jara River between Kupiškis and Utena (NE-L)

Collecting sites of A. Treigiene (at first given name of district):

T1 – Akmene, environs of Akmene (N-L)
T2 – Biržai, environs of Nausedžiai (N-L)
T3 – Biržai, Biržai Forest (N-L)
T4 – Ignalina, environs of Kazokine (NE-L)
T5 – Ignalina, environs of Višniava near Visaginas (NE-L)
T6 – Joniškis, Daunorava Forest (N-L)
T7 – Joniškis, Didmiškis Forest (N-L)
T8 – Joniškis, Jurdaičiai Forest (N-L)
T9 – Joniškis, Reibiniškiai Forest (N-L)
T10 – Joniškis, Žagare, the old park (N-L)
T11 – Kupiškis, Kiauledžiai Forest (N-L)
T12 – Mažeikiai, environs of Juodeikiai (N-L)
T13 – Mažeikiai, Seda Forest (N-L)
T14 – Mažeikiai, Kuodžiai Forest (N-L)
T15 – Mažeikiai, Plikščiai, the old manorial park (N-L)
T16 – Panevežys, Žalioji Forest (N-L)
T17 – Pakruojis, Pakruojis, the old park (N-L)
T18 – Pakruojis, Juknaičiai Forest (N-L)
T19 – Pakruojis, Rozalimas Forest (N-L)
T20 – Pasvalys, Girele Forest (N-L)
T21 – Pasvalys, Lepšyne Forest (N-L)
T22 – Pasvalys, environs of Joniškielis (N-L)
T23 – Šiauliai, environs of Bubiai (N-L)
T24 – Utena, environs of Utena (NE-L)
T25 – Zarasai, environs of Tilże (E-L)
T26 – Zarasai, environs of Drukšiai Lake (E-L)

PYRENOMYCETES

**Allantoporthe tesella* (Pers.: Fr.) Petrak – C6, on twigs of *Salix purpurea*, 23 Sept. 1991, KRAM -Chleb. 41 973. This species is here reported as new to the mycoflora of Latvia. It is listed in the check list of Estonia as *Diaporthe tessella*.

Amphiporthe hranicensis (Petrak) Petrak – C3, downy birch and Norway spruce forest, on dead twigs of *Tilia cordata*, 19 Sept. 1991, KRAM-Chleb. 41 939. R u k š e n i e n e (1989) reported it on *T. cordata* from oak-lime-hornbeam forest near Obelijos Lake, Alytus Region, Miroslavas (S-L).

Barrmaelia oxyacantae (Mont.) Rappaz (Syn.: *Anthostomella melanotes* (Berk. et Br.) Martin) – C2, European ash and aspen forest, on decorticated branch of *F. excelsior*, 18 Sept. 1991, KRAM-Chleb. 41 877. Asci octospored, 57-70 x 6-7 µm, ascospores brown, with indistinct longitudinal germ slit 11-15 x 4-5.7 µm (Fig. 1 A). According to W i n t e r (1886) it was been also reported on *Fraxinus*. R u k š e n i e n e (1989) found it on dead wood of *Carpinus betulus* in oak-lime-hornbeam forest near Obelijos Lake, Alytus Region, Miroslavas (S-L).

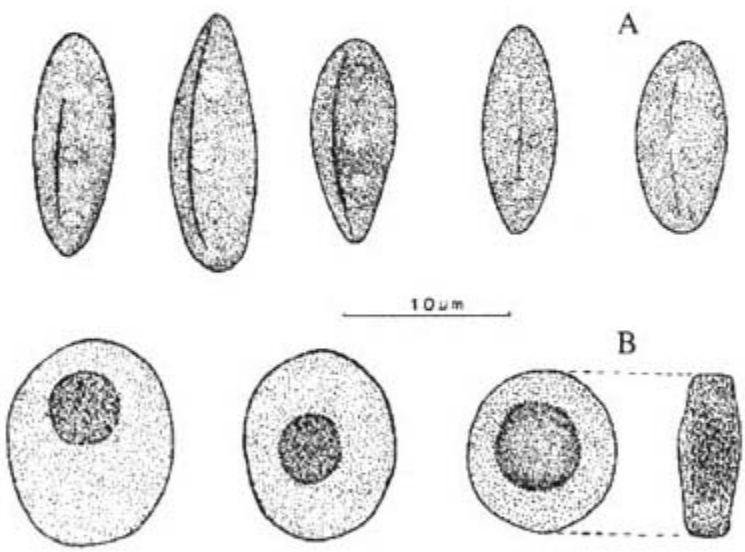

Fig. 1. Ascospores
A – *Barrmaelia oxyacantae*, B – *Coniochaeta malacotricha*

Bertia moriformis (Tode: Fr.) de Not. var. *moriformis* – C2, downy birch and Norway spruce forest, on decorticated branch of *Populus tremula*, 18 Sept. 1991, KRAM-Chleb. 41 866; C3, downy birch and Norway spruce forest, on decorticated branch of *P. tremula*, 19 Sept. 1991, KRAM-Chleb. 41 929. R u k š e n i e n e (1989, 1992) found it on *Corylus avellana* in oak-lime-hornbeam forest near Obelijos Lake, Alytus Region, environs of Miroslavas (S-L), and on indeterminated substratum in a vicinity of Vilnius (SE-L) in mixed forest.

Claviceps purpurea (Fr.) Tul. – C1, on a small hillcok in the centre of peat bog near Daunoriai, on panicle of *Molinia coerulea*, 21 Sept. 1991, KRAM-Chleb. 41 846. It is common in Lithuania on various grasses.

**Coniochaeta malacotricha* (Niessl) Trav. – C1, on a small hillcok in the centre of peat bog near Daunoriai, on dead wood of *Pinus sylvestris*, in the channel of insect larva of *Pogonocherus fasciculatus* (*Cerambycideae*), 21 Sept. 1991, KRAM-Chleb. 41 844. Ascospores Mill-stone shaped, flat, brown (Fig. 1B); it may be transferred by insects.

**Coronophora annexa* (Nitschke) Fuckel – C5, Norway spruce and silver birch forest, on twigs of *Salix nigricans*, 23 Sept. 1991, KRAM-Chleb. 41 952.

Coronophora gregaria (Lib.) Fuckel – C5, on dead branch of *Betula pendula*, 23 Sept. 1991, KRAM-Chleb. 41 948. R u k š e n i e n e (1992) reported this fungus from Mažeikiai (NW-L).

**Cryptodiaporthe hystrix* (Tode: Fr.) Petrak – C1, Vaišnoriške, Norway spruce forest, on dead branch of *Acer platanoides*, 20 Sept. 1991, KRAM-Chleb. 41 835; C4, on dead twigs of *A. platanoides*, 19 Sept. 1991, KRAM-Chleb. 41 946.

**Cryptodiaporthe vepris* (de Lacr.) Petrak – C1, Vaišnoriške, on dead stems of *Rubus idaeus*, 20 Sept. 1991, KRAM-Chleb. 41 814.

**Cryptosphaeria eunomia* (Fr.: Fr.) Fuckel var. *fraxini* (Richon) Rappaz – C2, European ash and aspen forest, on dead branch of *F. excelsior*, 18 Sept. 1991, KRAM-Chleb. 41 873. This is a clearly definied variety with dark and septate ascorpores, known from Europe and North America (R a p p a z, 1987).

**Diaporthe crataegi* Nitschke ex Fuckel – C3, young European ash forest, on dead twigs of *Crataegus* sp., 19 Sept. 1991, KRAM-Chleb. 41 927.

Diaporthe syngenesia (Fr.: Fr.) Fuckel – C5, Norway spruce and silver birch forest, on dead twigs of *Frangula alnus*, 23 Sept. 1991, KRAM-Chleb. 41 951. R u k š e n i e n e (1992) reported this fungus from Mažeikiai (NW-L).

Diatrype bullata (Hoffm.: Fr.) Fr. – C5, Norway spruce and silver birch forest, on dead twig of *Salix nigricans*, 23 Sept. 1991, KRAM-Chleb. 41949; C7, on twigs of *S. purpurea*, 19 Sept. 1991, KRAM-Chleb. 41 961. It was reported from Kaunas (C-Lithuania) on *S. caprea* by Ž u k l y s (1963 a). R u k š e n i e n e (1989, 1992) found it on *S. caprea* in oak-lime-hornbeam forest near Obelijos Lake, environs of Miroslavas, Alytus Region (S-Lithuania); in vicinity of Mažeikiai (NW-L) and in environs of Vilnius (SE-L).

Diatrype flavovirens (Pers.: Fr.) Fr. – C2, on dead wood, 18 Sept. 1991, KRAM-Chleb. 41 913; C3, downy birch and Norway sprue forest, on decorticated branch of *Populus tremula*, 19 Sept. 1991, KRAM-Chleb. 41 934. R u k š e n i e n e (1992) reported it from Mažeikiai (NW-L). Telemorph stromata contain also anamorph structures with conidia 25-32 x 1.5-2 µm.

Diatrype stigma (Hoffm.: Fr.) Fr. – C2, on dead twig of *Sorbus aucuparia*, 18 Sept. 1991, KRAM-Chleb. 41 915; C3, downy birch and Norway spruce forest, on dead twig of *Corylus avellana*, 19 Sept. 1991, KRAM-Chleb. 41 944, C6, on dead branch of *Salix purpurea*, 23 Sept. 1991, KRAM-Chleb. 41 976. It was reported by Žuklys (1963 a) on *C. avellana* from Kaunas (C-L) and Rukšeniene (1989) on *C. avellana* in oak-lime-hornbeam forest near Obelijos Lake, environs of Miroslavas, Alytus Region (S-L).

**Diatrype undulata* (Pers.: Fr.) Fr. – C3, on dead branch of *Betula pendula*, 19 Sept. 1991, KRAM-Chleb. 41 724; C2, on dead branch of *B. pendula*, 17 Sept. 1991, KRAM-Chleb. 41 807. This fungus was reported from Lithuania by Chlebicki (1993) and Chlebicki, Krzyżanowska (1995). Anamorph obtained in culture has typical characters of *D. undulata* however its teleomorph stroma resembles that of *D. decorticata*.

Diatrypella favacea (Fr.: Fr.) Ces. et de Not – C1, Vaišnoriške, on dead branch of *Betula pendula*, 20 Sept. 1991, 21 Sept. 1991, KRAM-Chleb., 41 821, 41 830; C2, downy birch forest, on branch of *B. pubescens*, 19 Sept. 1991, KRAM--Chleb. 41 855; C3, on dead branches of *B. pubescens*, 19 Sept. 1991, KRAM--Chleb. 41 886; C6, on dead branch of *B. pendula*, 23 Sept. 1991, KRAM--Chleb. 41 977.

It was found for the first time by Jundziłł (Kohler, 1995). E. Janczewski found it on *Populus tremula* in Blinstrubiškiai (Blinstrubiszki), Rašeiniai distr., April 1908 (KRAM 001657). Rukšeniene (1989, 1992) reported it from three localities: oak-lime-hornbeam forest near Obelijos Lake, environs of Miroslavas, Alytus Region (S-L); environs of Mažeikiai (NW-L); environs of Vilnius (SE-L).

Ut "*Diatrypella tocciaeana*". C1, Vaišnoriške, on the bank of the Buka River, on dead branch of *Alnus glutinisa*, 22 Sept. 1991, KRAM-Chleb. 41 852; C5, Norway spruce and silver birch forest, on dead twig, 23 Sept. 1991, KRAM-Chleb. 41 950; C8, on dead branch, 19 Sept. 1991, KRAM-Chleb. 41 957 and C9, on dead branch, 20 Sept. 1991, KRAM-Chleb. 41 970. It was found for the first time by E. Janczewski in Blinstrubiškai, 25 April, 1908, on *A. incana* (KRAM 001658). It was reported by Žuklys (1963 a) on *A. incana* (Kaunas, C-L) and Rukšeniene (1992) on *A. incana* and *A. glutinosa*: environs of Mažeikiai (NW-L); environs of Vilnius (SE-L).

Ut "*Diatrypella verrucaeformis*". C2, on dead branches of *Corylus avellana*, 18 Sept. 1991, KRAM-Chleb. 41 897; C3, downy birch and Norway spruce forest, on dead twig of *C. avellana*, 19 Sept. 1991, KRAM-Chleb. 41 936; C9, on dead twig of *C. avellana*, 20 Sept. 1991, KRAM-Chleb. 41 971. It was found by Žuklys (1963 a) on *Alnus* sp. (Kaunas, C-L) and Rukšeniene (1989) on *C. avellana*: oak-lime-hornbeam forest near Obelijos Lake, environs of Miroslavas, Alytus Region (S-L); environs of Mažeikiai (NW-L); environs of Vilnius (SE-L).

Eutypa astroidea (Fr.: Fr.) Rappaz – C2, European ash and aspen forest, on decorticated branch of *F. excelsior*, 18 Sept. 1991, KRAM-Chleb. 41 860. Perithecia with sulcate ostioles, ascospores pale brown, two-celled (Fig. 2). R a p p a z (1987) reported some localities from Uppland in Sweden and one locality from Switzerland.

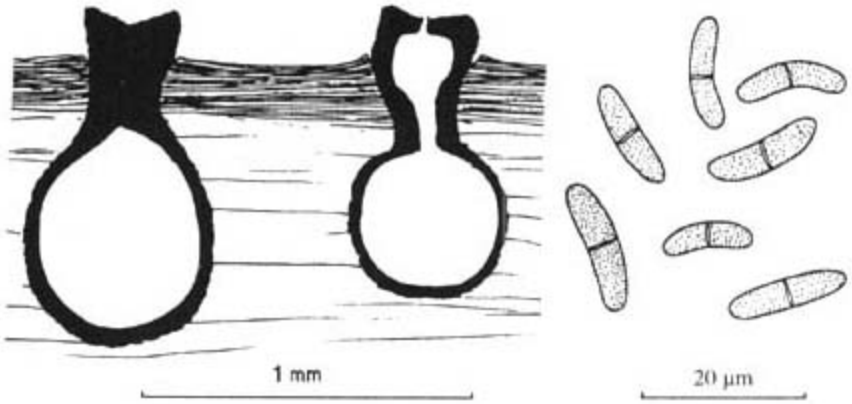

Fig. 2. *Eutypa astroidea*
Longitudinal section of perithecial strom and ascospores

Eutypa lata (Pers.) Tul. et C. Tul. – C4, on dead, decorticated branch of *Fraxinus excelsior*, 19 Sept. 1991, KRAM-Chleb. 41 848; C3, young European ash forest, on decorticated branch of *Acer platanoides*, 19 Sept. 1991, KRAM-Chleb. 41 928. Its localities are scarcely distributed in Europe (R a p p a z, 1987).

Eutypa lejopalca (Fr.: Fr.) Fuckel – C4, on decorticated branch of *Acer platanoides*, 19 Sept. 1991, KRAM-Chleb. 41 943. It is known from France, Sweden, Switzerland and Poland.

Eutypa sprasa Romell – C2, European ash and aspen forest, on decorticated branch of *P. tremula*, 18 Sept. 1991, KRAM-Chleb. 41 861; C2, downy birch and Norway spruce forest, on decorticated branch of *P. tremula*, 18 Sept. 1991, KRAM-Chleb. 41 869; C2, downy birch and Norway spruce forest, on decorticated branch of *P. tremula*, 18 Sept. 1991, KRAM-Chleb. 41 891; C3, downy birch and Norway spruce forest, on decorticated branch of *P. tremula*, 19 Sept. 1991, KRAM-Chleb. 41 930.

Eutypella leprosa (Pers. ex. Fr.: Fr.) Berl. – C2, European ash and aspen forest, on dead branch of *Tilia cordata*, 18 Sept. 1991, KRAM-Chleb. 41 872. Ascospores alantoid, pale brown (Fig. 3 B). It has been reported from Europe and North-America (R a p p a z, 1987).

Eutypella sorbi (Alb. et Schw.: Fr.) Sacc. – C2, downy birch and Norway spruce forest, on dead branch of *Sorbus aucuparia*, 18 Sept. 1991, KRAM-Chleb. 41 870; C3, downy birch and Norway spruce forest, on dead branch of *S. aucuparia*, 19 Sept. 1991, KRAM-Chleb. 41 938. R u k s e n i e n e (1992)

noted it on *S. aucuparia*: environs of Mažeikiai (NW-L); environs of Vilnius (SE-L). It is common fungus on *S. aucuparia*.

**Eutypella tetraploa* (Berk. et M. A. Curtis ex Berk. et Br.) Sacc. – C4, on dead branch of *Acer platanoides*, 19 Sept. 1991, KRAM-Chleb. 41 942. Stromata with dark dorsal zone, perithecia with long necks, ascospores alantoid, hyaline (Fig. 3 A). Known from Europe and North America (R a p p a z, 1987).

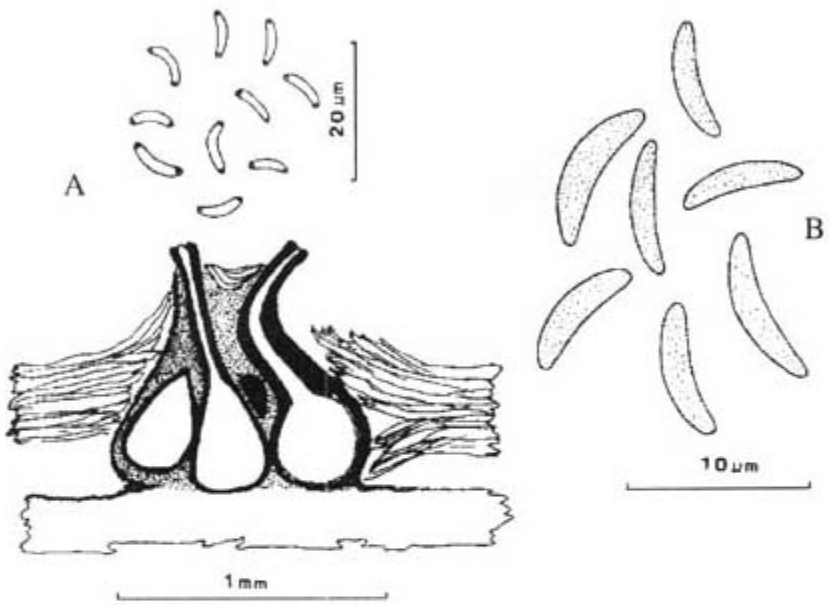

Fig. 3. *Eutypella tetraploa* (A), *Eutypella leprosa* (B)
A – longitudinal section of perithecial stroma, B – ascospores

**Gibbera cassandrae* (Peck) Barr (Syn.: *Venturia cassandrae* Peck) – C1, peat bog near Dounoriai, on dead twigs of *Chamaedaphne calyculata*, 21 Sept. 1991, KRAM--Chleb. 41 824. Ascocarps 70 µm diam., setose around the ostiole, asci octospored 61-67 x 7.6-9.6 µm, ascospores hyaline, two-celled 11.5-7 x x 4.5-5.5 µm (Fig. 4). This fungus has been noted in northeastern North America (F a r r et al., 1989), Finland and Russia (E r i k s s o n, 1974 a).

**Hypoxylon atropurpureum* (Fr.) Fr. (Syn.: *Sphaeria atropurpurea* Fr.: *Hypoxylon reticulatum* P. Karsten) – C3, on decorticated branch of *Populus* sp., 19 Sept. 1991, KRAM-Chleb. 41 883; C4, on decorticated branch of *Populus* sp., 19 Sept. 1991, KRAM-Chleb. 41 945.

Known from temperate regions. It is recorded from Czech Republic, Poland (P o u z a r, 1985), Sweden (E r i k s s o n, 1992), Finland (K a r s t e n, 1881, as *H. reticulatum*) etc. Rukšeniene (in herb.) found species (as *H. serpens*), 8 November 1988 on *Carpinus betulus* near Obelijos Lake, environs of Miroslavas, Alytus Region (S-L).

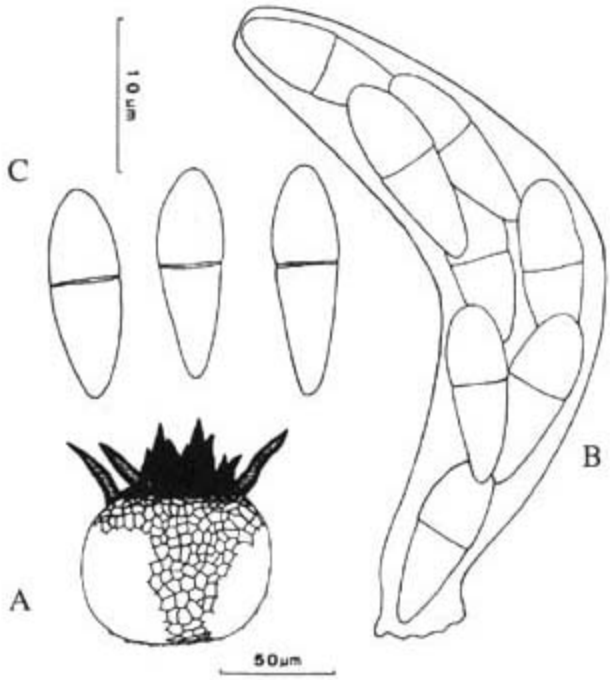

Fig. 4. *Gibbera cassandrae*
A – ascocarp, B – ascus, C – ascospores

**Hypoxylon fragiforme* (Pers.: Fr.) Kickx – C2, on dead branch of *Corylus avellana*, 18 Sept. 1991, KRAM-Chleb. 41 909.

Known from temperate regions of Europe where it follows the distribution of *Fagus sylvatica*. C h l e b i c k i (1993) gave a distribution of this fungus in Poland and Lithuania. It is more scarce towards north-eastern Poland where it occasionally has been recorded on *Alnus glutinosa*, *Corylus avellana* and *Carpinus betulus*.

Hypoxylon fuscum (Pers.: Fr.) Fr. – C2, downy birch forest, on decorticated branch of *Sorbus aucuparia*, 18 Sept. 1991, KRAM-Chleb. 41 854; C2, European ash and aspen forest, on decorticated branch of *F. excelsior*, 18 Sept. 1991, KRAM-Chleb. 41 878; C2, on dead branch of *Corylus avellana*; C3, on dead twig of *C. avellana*, 19 Sept. 1991, KRAM-Chleb. 41 910; C9, on branch of *Alnus glutinosa*, 20 Sept. 1991, KRAM-Chleb, 41 969. It was collected for the first time by J. Jundziłł (K ö h l e r, 1995). T r z e b i ń s k i (1934) and S i e m a s z k o (1914) reported it from Vilnius on *A. incana*. R u k š e n i e n e (1989, 1992) found it on *C. avellana* and *Betula* sp.: oak-lime-hornbeam forest near Obelijos Lake, environs of Miroslavas, Alytus Region (S-L); environs of Mažeikiai (NW-L); environs of Vilnius (SE-L).

**Hypoxylon fuscum* (Pers.: Fr.) Fr. var. *palumbinum* (Quél.) Pouzar – C2, European ash and aspen forest, on decorticated branch of *F. excelsior*, 18 Sept. 1991, KRAM-Chleb. 41 880.

The variety is characterized by dove-coloured – "colore palumbino" surface of stromata. This fungus was described by Quélet in Vogese (France). Z. Pouzar (in herb.) found some specimens on *F. excelsior* in Czech Republik.

Hypoxylon howeanum Peck – C2, on dead branches of *Corylus avellana*, 18 Sept. 1991, KRAM-Chleb. 41 898. This fungus was reported by T r z e b i ń s k i (1934) from Vilnius (Wilno) and Trakai (Troki) as *H. coccineum*. R u k š e n i e n e (1989) found it on *C. avellana* in oak-lime-hornbeam near Obelijos Lake, environs of Miroslavas, Alytus Region (S-L). C h l e b i c k i (1993) presented the distribution of this fungus in Lithuania and Poland. It belongs to fungi with temperate and hemiboreal distribution (G r a n m o et al., 1989).

**Hypoxylon mammatum* (Wahl.) Karst. – C6, on branch of *Salix? caprea*, 23 Sept. 1991, KRAM-Chleb. 41 972.

It is scattered in the hemiboreal and boreal zones (G r a n m o et al., 1989) and very rare in the temperate zone.

Hypoxylon multiforme (Fr.: Fr.) Fr. – C1, Vaišnoriške, on dead branch of *Betula pendula*, 20 Sept. 1991, KRAM-Chleb. 41 822; C2, downy birch and Norway spruce forest, on dead branch of *B. pubescens*, 18 Sept. 1991, KRAM-Chleb. 41 871; C2, on decorticated wood of *B. pendula*, 17 Sept. 1991, KRAM-Chleb. 41 802; C2, European ash and aspen forest, on decorticated branch of *Corylus avellana*, 18 Sept. 1991, KRAM-Chleb. 41 857; C2, on dead branch of *C. avellana*, 18 Sept. 1991, KRAM-Chleb. 41 911; C3, young European ash forest, on dead branch of *B. pubescens*, 19 Sept. 1991, KRAM-Chleb. 41 926; C5, Norway spruce and silver birch forest, on dead branch of *B. pendula*, 23 Sept. 1991.

It is a common species reported by R u k š e n i e n e (1989, 1992) on *C. betulus, Alnus incana, Populus tremula, Sorbus aucuparia* and *Betula* sp.: oak-lime-hornbeam forest near Obelijos Lake, environs of Miroslavas, Alytus Region (S-L); environs of Mažeikiai (NW-L); environs of Vilnius (SE-L).

Hypoxylon rubiginosum (Pers.: Fr.) Fr. – C2, European ash and aspen forest, on dead wood of *F. excelsior*, 18 Sept. 1991, KRAM-Chleb. 41 856; C2, European ash and aspen forest, on decorticated trunk of *F. excelsior*, 18 Sept. 1991, KRAM-Chleb. 41 914; C3, young European ash and forest, on dead trunk of *F. excelsior*, 19 Sept. 1991, KRAM-Chleb. 41 925; C3, downy birch and Norway spruce forest, on decorticated branch of *F. excelsior*, 19 Sept. 1991, KRAM-Chleb. 41 933.

It was reported by Jundziłł from Antwilki, perhaps in 1856 (K ö h l e r, 1995). R u k š e n i e n e (1989) found it on *Carpinus betulus* and *Sorbus aucuparia*: oak-lime-hornbeam forest near Obelijos Lake, environs of Miroslavas, Alytus Region (S-L); environs of Mažeikiai (NW-L); environs of Vilnius (SE-L).

Hypoxylon serpens (Pers.: Fr.) Kickx s.s. – C2, on decorticated branch of *Populus tremula*, 18 Sept. 1991, KRAM-Chleb. 41 867; C2, on dead wood of *Fraxinus*

excelsior, 17 Sept. 1991, KRAM-Chleb. 41 801; C3, downy birch and Norway spruce forest, on decorticated branch of *P. tremula*, 19 SEpt. 1991, KRAM--Chleb. 41 931. Žuklys (1963 a) reported it on *Prunus avium* from Kaunas (C-L). Rukšeniene (1989, 1992) found this fungus on *Carpinus betulus* and *P. tremula*: oak-lime-horn-beam forest near Obelijos Lake, environs of Miroslavas, Alytus Region (S-L); environs of Mažeikiai (NW-L); environs of Vilnius (SE-L).

**Hysterographium fraxini* (Pers.: Fr.) de Not. – C2, European ash and aspen, on decorticated branch of *Fraxinus excelsior*, 18 Sept. 1991, KRAM-Chleb. 41 874; C3, young European ash and forest, on decorticated branch of ash, 19 Sept. 1991, KRAM-Chleb. 41 923. Ascocarps longitudinal and somewhat flattened, ascospores muriform, brown (Fig. 5 A, B).

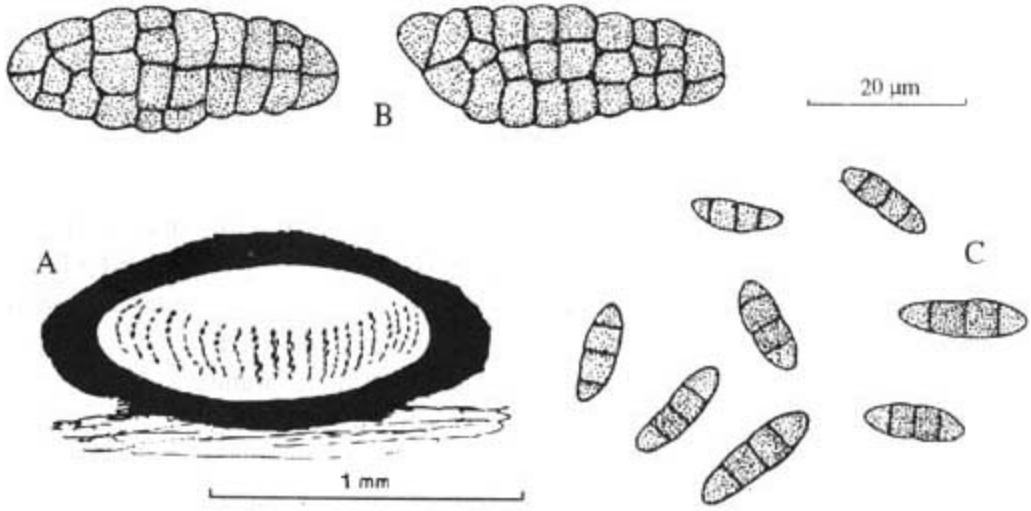

Fig. 5. *Hysterographium fraxini* (A, B); *Melanomma fuscidulum* (C)
A – longitudinal section of ascocarp; B, C – ascospores

**Kalmusia coniothyrium* (Fuckel) Hundorf
Anam. *Coniothyrium fuckelii* Sacc. Holom. – C1, Vaišnoriškes, Norway spruce forest, on dead stems of *Rubus* sp., 20 Sept. 1991, KRAM-Chleb. 41 834.

**Lasiosphaeria hispida* (Tode: Fr.) Fuckel – C2, European ash and aspen forest, on rotten wood, 18 Sept. 1991, KRAM-Chleb. 41 859.

Lasiosphaeria spermoides (Hoffm.) Ces. et de Not. – C2, European ash and aspen forest, on rotten wood, 18 Sept. 1991, KRAM-Chleb. 41 858; C3, on rotten wood, 19 Sept. 1991, KRAM-Chleb. 41 884.

Rukšeniene (1989) found this fungus on *Carpinus betulus*: oak-lime-horn-beam forest near Obelijos Lake, environs of Miroslavas, Alytus Region (S-L).

**Leptosphaeria acuta* (Fuckel) P. Karst. – Anam. *Phoma piskorzii* (Petr.) Boerema et Loerakker. Anam.: C1, Vaišnoriškes, Norway spruce forest, on dead stems

of *Urtica dioica*, 21 Sept. 1991, KRAM-Chleb. 41 837; Teleom.: C1, Vaišnoriškes, near the bank of the Buka River, on dead stems of *Urtica dioica*, 22 Sept. 1991, KRAM-Chleb. 41 851.

**Lophiostoma macrostomoides* De Not. in: Ces et de Not. – C2, downy birch and Norway spruce forest, on decorticated branch of *Populus tremula*, 18 Sept. 1991, KRAM-Chleb. 41 868.

Lophiotrema nucula (Fr.) Sacc. – C5, Norway spruce and silver birch forest, on decorticated branch of *Salix nigricans*, 23 Sept. 1991, KRAM-Chleb. 41 953, Rukšeniene (1992) found it on one locality: environs of Mažeikiai (NW-L).

Melanconis stilbostoma (Fr.: Fr.) Tul. (Anam.: *Melanconicum bicolor* Nees: Fr.) – Anam: C2, on dead twig of *Betula pendula*, 17 Sept. 1991, KRAM-Chleb. 41 803; C5, Norway spuce and silver birch forest, on dead twigs of *B. pendula*, 23 Sept. 1991.

Teleom: C1, Vaišnoriške, on dead branch of *B. pendula*, 17 Sept. 1991, KRAM-Chleb. 41 806; C1, on a small hillcock in the centre of peat bog near Daunoriai, on dead branch of *B. pubescens*, 21 Sept. 1991; C3, on dead twigs of *B. pubescens*, 19 Sept. 1991, KRAM-Chleb. 41 887.

Rukšeniene (1992) reported it on *Betula* spp.: oak-lime-hornbeam forest near Obelijos Lake, environs of Miroslavas, Alytus Region (S-L); environs of Mažeikiai (NW-L); environs of Vilnius (SE-L).

**Melanomma fuscidulum* Sacc. – C3, downy birch and Norway spruce forest, on decorticated branch of *Quercus robur*, 19 Sept. 1991, KRAM-Chleb. 41 937. Ascospores brown, four-celled, (Fig. 5 C).

Melanomma pulvis-pyrius (Pers.) Fuckel – C2, European ash and aspen forest, on dead twigs of *Corylus avellana*, 18 Sept. 1991, KRAM-Chleb. 41 881. It was reported by Rukšeniene (1992): oak-lime-hornbeam forest near Obelijos Lake, environs of Miroslavas, Alytus Region (S-L); environs of Mažeikiai (NW-L); environs of Vilnius (SE-L).

**Metameris aspidiorum* (Lib.) Arx et E. Müller – C1,Vaišnoriške, Scots pine forest, on dead leaf of *Pteridium aquilinum*, 20 Sept. 1991.

**Mycosphaerella pontederiae* (Peck) House – C1, peat bog near Daunoriai, on leaf of *Nuphar luteum*, 21 Sept. 1991, KRAM-Chleb. 41 829, (Fig. 6 A, B). It has been recorded on *Nuphar, Nymphea, Pontederia* and *Sarracenia* in North America (Farr et al., 1989).

Nectria cinnabarina (Tode: Fr.) Fr. (Anam.: *Tubercularia vulgaris* Tode: Fr.) – Anam.: C2, downy birch and Norway spruce forest, on twigs of *Populus tremula* and *Rhamnus* sp., 18 Sept. 1991, KRAM-Chleb. 41 893; C2, on dead twigs of *P. tremula*, 17 Sept. 1991, KRAM-Chleb. 41 808. Teleom.: C2, on dead twig of *Alnus glutinosa*, 17 Sept. 1991, KRAM-Chleb. 41 809; C1, Vaišnoriške, Norway spruce forest, on dead twigs of *Acer platanoides*, 20 Sept. 1991, KRAM--Chleb. 41 36; C3, downy birch and Norway spruce forest, on dead twig of

Tilia cordata, 19 Sept. 1991. It is widespread in the whole of Lithuania territory on various plant hosts reported by T r z e b i ń s k i (1934), K r u s z y ń s k i (1934) and R u k š e n i e n e (1989).

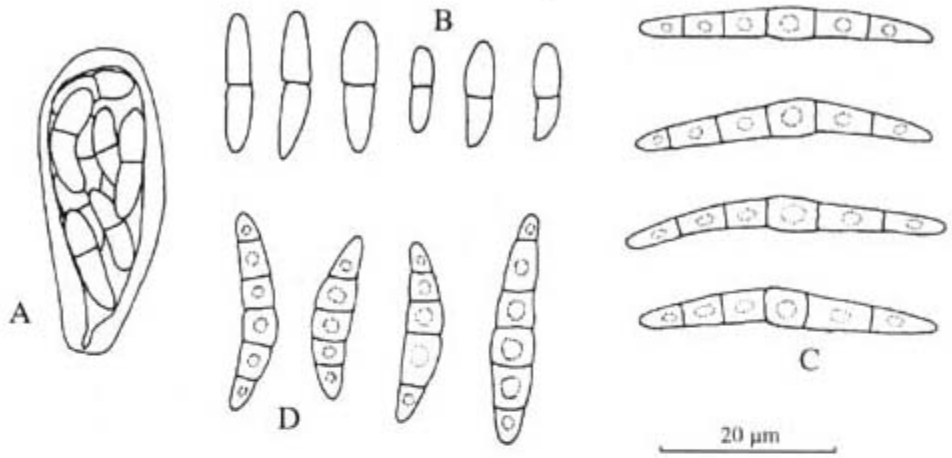

Fig. 6. *Mycosphaerella pontederiae* (A, B); *Phaeosphaeria caricis* (C); *Phaeosphaeria luctuosa* (D)
A – ascus; B-D – ascospores

Nectria coccinea (Pers.: Fr.) Fr. – C2, European ash and aspen forest, on dead twigs of *Tilia cordata*, 18 Sept. 1991, KRAM-Chleb. 41 864.

Nectria episphaeria (Tode: Fr.) Fr.- C2, on dead stromata of *Diatrype undulata*, 17 Sept. 1991, KRAM-Chleb. 41 807. R u k š e n i e n e (1989) found it on dead stromata of *Diaporthe* sp.: aok-lime-hornbeam near Obelijos Lake, environs of Miroslavas, Alytus Region (S-L).

**Phaeosphaeria caricis* (Schroet.) Leuchtmann (Bas.: *Leptosphaeria caricis* Schroeter, Jahresb. Schles. Ges. Vaterl. Cult. 58: 175. 1881.) – C2, on dead stems of *Calamagrostis epigeios*, 18 Sept. 1991, KRAM-Chleb. 41 917 (Fig. 6 C). Schroeter 1880 described this species on the basis material gathered by M. Wichura in Snjärrack (Lule Lappmark, Sweden), 30 July 1856, on *Carex vaginata* (= *C. sparsiflora*). J. L. Crane revised this material in 1991 and noted: no fungus resembling the original description found!'. L e u c h t m a n n (1984) selected lectotype of *Ph. caricis* gathered by E. Fiek on *C. pendula* in environs of Lubań (Hochwald near Lubań), 28 May 1880, WRSL! It occurrs not only on *Carex* spp. but also on *Typha latifolia, Scripus silvaticus, Luzula silvatica* and *Dactylis glomerata* (L e u c h t ma n n, 1984).

**Phaeosphaeria culmorum* (Auersw.) Leuchtmann – C1, Vaišnoriške, Scots pine forest, on dead stems of *Calamagrostis arundinacea*, 20 Sept. 1991, KRAM-Chleb. 41 811.

**Phaeosphaeria fuckelii* (Niessl) Holm – C3, young European ash forest, on dead stems of *Calamagrostis arundinacea*, 19 Sept. 1991, KRAM-Chleb. 41 9221.

**Phaeosphaeria herpotrichoides* (de Not.) Holm. – C1, Vaišnoriške, Norway spruce forest, on dead stems of *Calamagrostis arundinacea*, 21 Sept. 1991, KRAM-Chleb. 41 833; C2, on dead stems of *C. epigeios*, 18 Sept. 1991, KRAM-Chleb. 41 919.

**Phaeosphaeria luctuosa* (Niessl) Otani et Mikawa – C1, Vaišnoriške, Scots pine forest, on dead stems of *Calamagrostis arundinacea*, 20 Sept. 1991, KRAM-Chleb. 41 810; C2, on dead stems of *C. epigeios*, 18 Sept. 1991, KRAM-Chleb. 41 918 (Fig. 6 D).

**Phaeosphaeria norfolcia* (Cooke) Leutchmann – C2, on dead stems of *Juncus effusus*, 18 Sept. 1991, KRAM-Chleb. 41 916.

**Phyllachora junci* (Alb. et Schw.) Fuckel – C2, on stems of *Juncus effusus*, 18 Sept. 1991, KRAM-Chleb. 41 920.

Platystomum compressum (Pers.: FR.) Trevisan – C2, European ash and aspen forest, on decorticated branch of *F. excelsior*, 18 Sept. 1991, KRAM-Chleb. 41 876.

**Pseudovalsa lanciformis* (Fr.: Fr.) Ces. et de Not. (Anam.: *Coryneum brachyurum* Link) – Anam.: T11, on dead twigs of *Betula pendula*, 17 Sept. 1992, BILAS-Tr. 825.

It is probably very common in birch forests of the country. Žuklys (1963) reported anamorph from five localities on *Tilia cordata*, *T. platyphyllos*, *T. mongolica* and *Betula pubescens*. Teleom.: C1, Vaišnoriške, on dead branch of *B. pendula*, 20 Sept. 1991, KRAM-Chleb. 41 823.

Scirrhia rimosa (Alb. et Schw.: Fr.) Fr. – C2, downy birch forest, on stems of *Phragmites australis*, 18 Sept. 1991, KRAM-Chleb. 41 853. It was gathered for the first time by J. Jundziłł perhaps in 1833 (Köhler, 1995).

Ustulina deusta (Hoffm: Fr.) Lind – C4, on dead trunk of *Fraxinus excelsior*, 19 Sept. 1991, KRAM-Chleb. 41 849; C2, on dead trunk of *Betula pendula*, 18 Sept. 1991, KRAM-Chleb. 41 912. ; C3, young European ash forest, on dead trunk of *F. excelsior*, 19 Sept. 1991, KRAM-Chleb. 41 924.

It has been reported on *Carpinus betulus* by Rukšeniene (1989): oak-lime-hornbeam forest near Obelijos Lake, environs of Miroslavas, Alytus Region (S-L).

Valsa ambiens (Pers:Fr.) Fr. – C2, European ash and aspen forest, on dead twigs of *Tilia cordata*, 18 Sept. 1991, KRAM-Chleb. 41 865. Rukšeniene (1989, 1992) reported it on *T. cordata*: oak-lime-hornbeam forest near Obelijos Lake, environs Miroslavas, Alytus Region (S-L); environs of Mažeikiai (NW-L); environs of Vilnius (SE-L).

Valsa auerswaldii Nitschke (Anam.: *Cytospora personata* Fr.) – Anam: C2, European ash and aspen forest, on dead twigs of *Frangula alnus*, 18 Sept. 1991, KRAM-Chleb. 41 882; Teleom.: C2, European ash and aspen forest on dead twigs of *F. alnus* 18 Sept. 1991, KRAM-Chleb. 41 890.

It was reported by Žukliene (1966) and Rukšeniene (1992) on twigs of *Malus* sp. in the whole territory of Lithuania.

Valsa nivea (Hoffm.: Fr.) Fr. – C3, downy, birch and Norway spruce forest, on dead twig of *Populus tremula*, 19 Sept. 1991, KRAM-Chleb. 41 941; C13, on twigs of *Salix purpurea*, 19 Sept. 1991, KRAM-Chleb. 41 960. Žuklys (1963 b) reported it on *P. balsamifera* from Kaunas (C-L).

Valsa pini (Alb. Schw.: Fr.) Fr. – C1, Vaišnoriške, Scots pine forest, on dead twig of *Pinus sylvestris*, 20 Sept. 1991, KRAM-Chleb. 41 818; C1, in a small hillcock in the centre of peat bog near Daunoriai, on dead twig of *P. sylvestris*, 21 Sept. 1991, KRAM-Chleb. 41 845. Rukseniene (1992) found it on *P. sylvestris* in environs of Mažeikiai (NW-L).

Valsa salicina (Pers.: Fr.) Fr. – C3, on twigs of *Salix cinerea*, 19 Sept. 1991, KRAM-Chleb. 41 888; C11, on twigs of *S. purpurea*, 19 Sept. 1991, KRAM-Chleb. 41 958; C7, on twigs of *S. purpurea*, 19 Sept. 1991, KRAM-Chleb. 41 962; C6, on twigs of *S. purpurea*, 23 Sept. 1991, KRAM-Chleb. 41 974. This fungus was gathered by Rukšeniene (1992): environs of Mažeikiai (NW-L).

**Valsa salicis* (Fuckel) Winter – C9, on twigs of *Salix purpurea*, 20 Sept. 1991, KRAM-Chleb. 41 967.

Winterella suffusa (Fr.: Fr.) O. Kuntze, (Anam.: *Disculina vulgaris* (Fr.) Sutton) – Anam.: C9, on twigs of *Alnus glutinosa*, 20 Sept. 1991, KRAM-Chleb. 41 968. Teleom.: C8, on dead twigs of *A. glutinosa*, 19 Sept. 1991, KRAM-Chleb. 41 956.

Rukšeniene (1992) reported it from two localities: environs of Mažeikiai (NW-L); environs of Vilnius (SE-L).

Xylaria hypoxylon (L.: Fr.) Grev. – C3, on dead branch of *Populus* sp., 19 Sept. 1991, KRAM-Chleb. 41 885. It was collected by Trzebiński (1934) from Vilnius („Wilno, Zakręt, Karolinki"). Rukseniene (1989, 1992) found this fungus on *Carpinus betulus*, *Corylus avellana*, *Populus tremula* and *Salix caprea*: environs of Mažeikiai (NW-L); environs of Vilnius (SE-L).

**Xylaria polymorpha* (Pers.: Fr.) Grev. – C4, on dead log of *Fraxinus excelsior*, 19 Sept. 1991, KRAM-Chleb. 41 850.

Zigonella ovoidea (Fr.: Fr.) Sacc. – C2, European ash and aspen forest, on decorticated branch of *F. excelsior*, 18 Sept. 1991, KRAM-Chleb. 41 862.

Rukšeniene (1992) reported it from environs of Mažeikiai (NW-L) and of Vilnius (SE-L).

COELOMYCETES

Ascochyta coryli Sacc. et Speg. – T25, on leaves of *Corylus avellana*, 11 Sept. 1989, BILAS-Treigiene 54; T21, 18 Sept. 1991, BILAS-Tr. 55. Markevičius (1992) reported it from Vilnius (E-L).

Ascochyta philadelphi Sacc. et Speg. – T12, on leaves of *Philadelphus coronarius*, 27 Sept. 1989, BILAS-Tr. 56; T8, 18 Sept. 1990, BILAS-Tr. 57; T22, 18 Sept. 1990, BILAS-Tr. 58; T17, 19 Sept. 1990, BILAS-Tr. 59. It is widespread practically in the whole territory of Lithuania.

Ascochyta syringae Bres. – T22, on leaves of *Syringa vulgaris*, 19 Sept. 1991, BILAS-Tr. 60. Probably spread nearly in the whole territory of Lithuania.

Asteroma alenum (Pers. ex Fr.) Sutton (Syn.: *Cylindrosporella alnea* (Lev.) v. Hoehnel) – Teleom.: *Gnomoniella tubaeformis* (Fr.) Sacc. T26, on leaves of *Alnus glutinosa*, 12 Sept. 1989, BILAS-Tr. on leaves of *A. incana*, 23 Sept. 1990, BILAS-Tr. 718.

Asteroma padi DC. ex Fr. Teleom.: *Ophiognomonia padicola* (Lib.) Monod – T4, on leaves of *Padus avium*, 14 Sept. 1989, BILAS-Tr. 606; T6, 15 Sept. 1990, BILAS-Tr. 714; T18, 12 Sept. 1991, BILAS-Tr. 807; T20, 19 Sept. BILAS--Tr. 804. It seems to be common all over Lithuania.

Aureobasidium caulivorum (Kirchn.) W. B. Cooke (Syn.: *Kabatiella caulivora* (Kirch.) Karak.) – T20, on leaves and stems of *Trifolium pratense*, 19 Sept. 1991, BILAS-Tr. It is widesporead in Lithuania.

Coniothyrium fuckelii Sacc., vide *Kalmusia coniothyrium*.

Coryneum brachyurum Link, vide *Pseudovalsa lanciformis* (Fr.: Fr.) Ces. et De Not.

Coryneum umbonatum Nees ex Steudel. Teleom.: *Pseudovalsa longipes* (Tul.) Sacc. – T16, on dead twigs of *Quercus robur*, 17 Sept. 1992, BILAS-Tr. 826. Žukly s (1963 a) reported it from Kaunas (C-L).

Colletotrichum dematium (Pers. ex Fr.) Grove. (Syn.: *Vermicularia dematium* (Pers.:) Fr.) – T19, on leaves of *Euonymus verrucosa*, 10 Sept. 1991, BILAS--Tr.; T19, on stems of *Saponaria officinalis*, 10 Sept. 1991, BILAS-Tr. 827. Common fungus in Lithuania on variuos plant species.

Colletotrichum gleosporioides (Penz.) Penz. et Sacc. in Penz. (Syn.: *Gleosporium spiraea* Bres.) – Teleom.: *Glomerella cingulata* (Stonem.) Spauld. et Schrenk, T8, on leaves of *Spiraea chamaedryfolia*, 18 Sept. 1991, BILAs-Tr. 828. It is a common species, found on various host plants.

Colletotrichum graminicola (Ces.) G. W. Wilson (Syn.: *Dicladium graminicola* Ces.) – T14, on dead stems of *Calamagrostis epigeios*, Sept. 1989, BILAS-Tr. 793. Common in Lithuania on various *Poaceae* and *Cyperaceae* species.

Colletotrichum lindemuthianum (Sacc. et Magn.) Br. et Cav. – T22, on leaves, stems and pods of *Phaseolus vulgaris*, 19 Sept. 1991, BILAs-Tr. 829. Widespread in the whole territory of Lithuania.

Colletotrichum lini (West.) Tochinai – T22, on leaves and stems of *Linum usitatissimum*, 19 Sept. 1991, BILAS-Tr. 830.

Cytospora personata Fr., vide *Valsa auerswaldii* Nitschke (*Pyrenomycetes*).

Cytospora pinastri Fr.: Fr. – Teleom.: *Valsa friesi* (Duby) Fuckel, C2, on needles of *Pinus sylvestris*, 18 Sept. 1991, KRAM-Chleb. 41 894; C1, peat bog near Daunoriai, on needles of *P. sylvestris*, 21 Sept. 1991, KRAKM-Chleb. 41 827; C5, Norway spruce and silver birch forest, on needles birch forest, on needles of *P. sylvestris*, 23 Sept. 1991, KRAM-Chleb. 41 955.

Diplodia mutila Fr. ap. Mont. – Teleom.: *Botryosphaeria stevensii* Shoemaker, C2, European ash and aspen forest, on dead twigs of *Fraxinus excelsior*, 18 Sept. 1991, KRAM-Chleb. 41 863.

Diplodia salicina Lév. – Teleom.: *Cucurbitaria salicina* Fuckel, C10, on twigs of *Salix purpurea*, 19 Sept. 1991, KRAM-Chleb. 41 963.

Diplodina microsprema (Johnston) Sutton – Teleom.: *Cryptodiaporthe salicella* (Fr.:Fr.) Petrak, C6, on twigs of *Salix purpurea*, 23, Sept. 1991, KRAM-Chleb. 41 975; Vilnius (E-L), on twigs of *Salix* sp., BILAS-Tr. Ž u k l y s (1960) reported it from Kaunus (C-L) on various *Salix* species.

**Discosia faginea* Lib. – C1, a small hillock in the centre of peat bog near Daunoriai, on dead cone of *Picea abies*, 21 Sept. 1991, KRAM-Chleb. 41 841.

**Discosia strobilina* Lib. – T5, on leaves of *Acer platanoides*, 12 Sept. 1989, BILAS-Tr. 61. Conidia 13.5-20.5 x 2.5-3 µm (Fig. 7). K r u s z y ń s k i (1937) found *D. artocreas* on leaves of *A. platanoides* in Lida. (Belorussia).

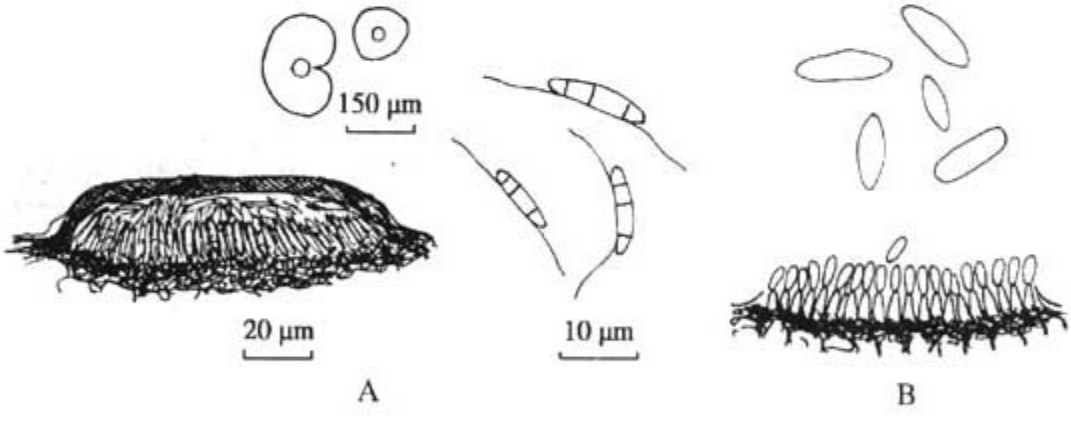

Fig. 7. *Discosia strobilina* (A) and *Discula umbrinella* (B)
A – conidiomata and conidia on *Acer platanoides*, B – conidioma with conidia on *Fagus sylvatica*

Discula betulina (Westend.) Arx (Syn.: *Gleosporium betulinum* Westend.) – T12, on leaves of *Betula pendula*, 26 Sept. 1989, BILAS-Tr. 786; T13, 26 Sept. 1989, BILAS-Tr. 774; T19, 10 Sept. 1991, BILAS-Tr. 817; T23, on leaves of *B. pubescens*, 19 Sept. 1991, BILAS-Tr. 677. Widespread in Lithuania.

Discula umbrinella (Berk. et Br.) Sutton (Syn.: *Gleosporium fagi* (Desmaz. et Rob.) Westend.; *G. quercinum* Westend.; *G. tiliae* Oudem) – Teleom.: *Apiognomonia*

errabunda (Rob.) Höhnel, T10, on leaves of *Fagus sylvatica*, 15 Sept. 1990, BILAS-Tr. 708, (Fig. 7); T23, on leaves of *Quercus robur*, 19 Sept. 1991, BILAS-Tr. 809; T17, on leaves of *Tilia platyphyllos*, 12 Sept. 1991, BILAS--Tr.812. Length of conidia and diameter of conidiomata is associated with host plants (Tab. 1). widespread species in the whole territory of Lithuania.

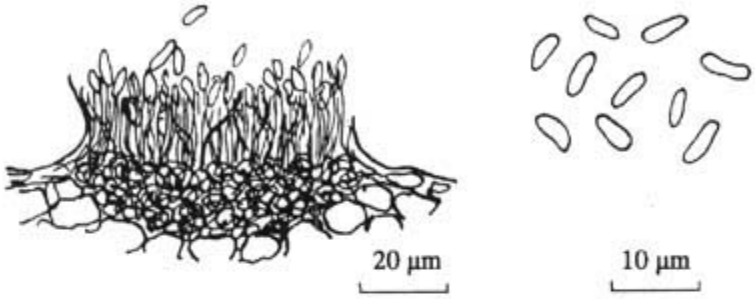

Fig. 8. *Gloeosporium saponariae*
Conidioma and conidia

Table 1

Size in µm of conidiomata and conidia of *Discula umbrinella* on various host plants

Host plants	Acervulus	Conidium
Quercus robur	150-220	(8)9 -13.5 x 3-4.5 (10-12.6 x 3.3-4.3
Fagus sylvatica	90-150	9-13.5(15) x 3-6 (10.3-12.7 x 3.8-5.2)
Tilia platyphyllos	50-250	9-19.5 x 4-6

Disculina betulina (Sacc.) Hoehnel – Teleom.: *Winterella betulae* (Tul. et C. Tul.) O. Kuntze – C1, Vaišnoriškes, on dead twig of *Betula pendula*, 20 Sept. 1991, KRAM-Chleb. 41 817. R u k š e n i e n e (1992) reported teleomorph from two localities: environs of Mažeikiai (NW-L); environs of Vilnius (SE-L).

Disculina vulgaris (Fr.: Fr.) Sutton, vide *Winterella suffusa* (Fr.: Fr.) O. Kuntze.

Gleosporidiella ribis (Lib.) Petrak. (Syn.: *Gleosporium ribis* (Lib.) Mont et Desmaz) – Teleom.: *Drepanopeziza ribis* (Kleb.) Höhnel, T1, on leaves of *Ribens nigrum*, 23 Sept. 1990, BILAS-Tr. 720; T19, 10 Sept. 1991, BILAS-Tr.; T22, on leaves of *R. rubrum*, 15 Sept. 1990, BILAS-Tr.707; T19, on leaves of *R. alpinum*, 12 Sept. 1991, BILAS-Tr. 813. It was reported by K r u s z y ń s k i (1934) from Lida.

**Gloeosporium saponariae* (Fuckel) Petrak – T19, on leaves of *Saponaria officinalis*, 10 Sept. 1991, BILAS-Tr. 831. Conidia 3-6 x 1-2 µm, conidiophores 15-25 µm long. (Fig. 8).

Gloeosporium vogelianum Sacc. – T26, on leaves of *Corylus avellana*, 12 Sept. 1989, BILAS-Tr. 832. Conidia and bacilliform microconidia were found

inside picnidia. I g n a t a v i č i u t e (1984) reported it from two localities: Vilnius (E-L) and Kedainiai district (C-L).

Kabatia periclymeni (Desmaz.) Morelet var. *xylostei* (Pass.) Sutton (Syn.: *Colletotrichella periclymeni* (Desmaz.) Höhnel) – Teleom.: *Guignardia xylostei* Reusser. T25, on leaves of *Lonicera xylosteum*, 11 Sept. 1989, BILAS-Tr. 655; T10, 15 Sept. 1990, BILAS-Tr. 826; T23, 23 Sept. 1991, BILAS-Tr. 811 (Fig. 9). It is common in Lithuania.

Marssonina fragariae (Lib.) Kleb. (Syn.: *Marssonina potentillae* (Desmaz.) P. Magnus var. *fragariae* Sacc.) – Teleom.: *Diplocarpon earlianum* (Ellis et Everh.) F.A. Wolf., T5, on leaves of *Fragaria vesca*, 12 Sept. 1988, BILAS--Tr. 559; T12, on leaves of *Fragaria* sp. cult., 27 Sept. 1989, BILAS-Tr. 620; T24 Sept. 1988, BILAS-Tr. 55. It is widespread in the whole territory of Lithuania.

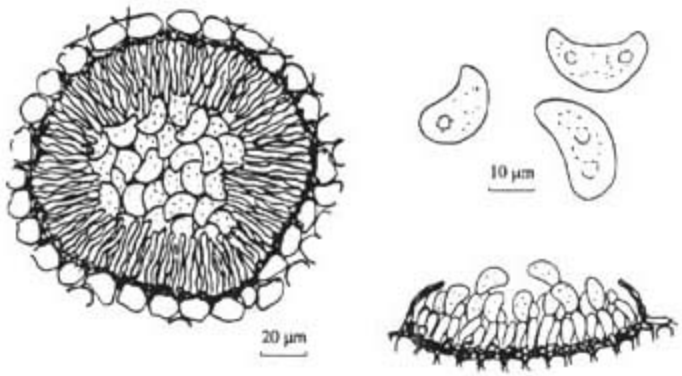

Fig. 9. *Kabatia periclymeni* f. *xylostei*
Side viev and top viev of conidiomata, conidia; fungus collected on *Lonicera xylosteum*

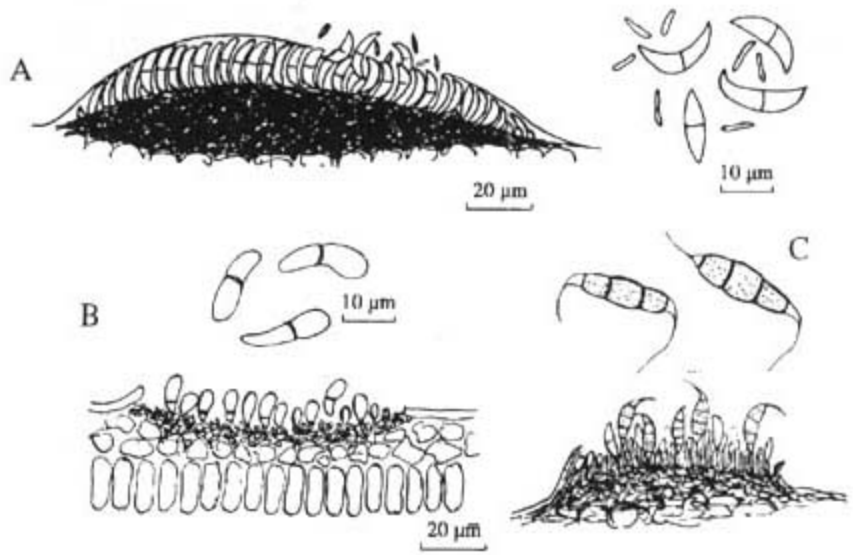

Fig. 10. *Marsonina juglandis* (A), *Marsonina rosae* (B) and *Monochaetia concentrica* (C)
Conidioma and conidia found: A – on Juglans regia, B – on *Rosa* sp. cult., C – on *Corylus avellana*

Marssonina juglandis (Lib.) P. Magnus – Teleom.: *Gnomonia leptostyla* (Fr.: Fr.) Ces. et De Not., T9, on leaves of *Juglans nigra*, 18 Sept. 1990. BILAS-Tr. 706 (Fig. 10).

Marssonina populi (Lib.) P. Magnus – Teleom.: *Drepanopeziza populorum* (Desmaz.) Höhnel, T10, on leaves of *Populus alba*, 15 Sept. 1990, BILAS-Tr. 710. Common in Lithuania.

Marssonina rosae (Lib.) Died. – Teleom.: *Diplocarpon rosae* F.A. Wolf., T15, on leaves of *Rosa canina*, 26 Sept. 1989, BILAS-Tr. 650 (Fig. 10). Widespread in the whole territory of Lithuania.

Melanconium bicolor Nees.: Fr., vide *Melanconis stilbostoma* (Fr.: Fr.) Tul.

Monochaetia concentrica (Berk. et Broome) Sacc. (Syn.: *Monochaetia coryli* (Rostr.) Allesch.) – T14, on leaves of *Corylus avellana*, 26 Sept. 1989, BILAS-Tr. 693 (Fig. 10).

Monostichella salicis (Westend.) Arx (Syn.: *Gloeosporium salicis* Westend.) – Teleom: *Drepanopeziza salicis* (Tul. et C. Tul) Höhnel, T10, on leaves of *Salix fragilis*, 19 Sept. 1990, BILAS-Tr. 751. I g n a t a v i č i u t e (1981) found it on *S. caprea* and *S. cinerea*. It is common fungus in Lithuania.

**Myxocyclus polycystis* (Berk. et Br.) Sacc. – Teleom.: *Splanchnonema argus* (Berk. et Br.) O. Kunze, C1, Vaišnoriške, on dead twigs of *Betula pendula*, 20 Sept. 1991, KRAM-Chleb. 41 816; C5, Norway spruce and silver birch forest, on dead twigs of *B. pendula*, 23 Sept. 1991, KRAM-Chleb. 41 947.

**Myxothyrium leptideum* (Fr.) Bub. et Kabát – *Phyllosticta leptidae* (Fr.) Allesch.: T19, on leaves of *Vaccinium myrtillus*, 10 Sept. 1991, BILAS-Tr. 83. In herbarium BILAS there is a single collection from Neringa (W-Lithuania), collected by Ignatavičiute. Known from Finland, Sweden (E r i k s s o n, 1974), Czechoslovakia (S u t t o n, 1980) and Poland (C h l e b i c k i, 1989).

Phloeospora ulmi (Fr. ex Kuntze) Wallr. (Syn.: *Septoria ulmi* Fr.: Fr., *Gloeosporium ulmi* (Fr.) Vasil.) – Teleom.: *Mycosphaerella ulmi* Kleb. T19, on leaves of *Ulmus glabra*, 10 Sept. 1991, BILAS-Tr. 824; T21, 18 Sept. 1991, BILAS-Tr. 835.

Phloeosporella padi (Lib.) Arx (Syn.: *Cylindrosporium hiemale* Higgins) – Teleom.: *Blumeriella jaapii* (Rehm.) Arx, T15, on leaves of *Cerasus vulgaris*, 26 Sept. 1989, BILAS-Tr. 789. Common species in Lithuania.

Phoma piskorzii (Petr.) Boerema et Loerakker, vide *Leptosphaeria acuta*.

Phomopsis sp. – Teleom.: *Diaporthe scobina* NItschke, C2, European ash and aspen forest, twigs of *F. excelsior*, 18 Sept. 1991, KRAM-Chleb. 41 875. Anamorph with conidia 20-25(26) x 1.5 µm. W e h m e y e r (1933) considered *D. scobina* as a synonym of *D. eres*.

Phyllosticta briardi Sacc. – T13, on leaves of *Malus domestica*, 26 Sept. 1989, BILAS-Tr. 68. It is widespeared nearly in the whole territory of Lithuania.

**Phyllosticta coryli* Westend. – T26, on leaves of *Corylus avellana*, 12 Sept. 1989, BILAS-Tr. 62. Conidia 5-8 x 2-3.5 µm.

Phyllosticta fraxinacola (Curr.) Ellis et Everh. – T19, on leaves of *Fraxinus excelsior*, 10 Sept. 1991, BILAS-Tr. 63.

Phyllosticta impatiens Fautr. – T16, on leaves of *Impatiens noli-tangere*, Sept. 1991, BILAS-Tr. 67. In herbarium BILAS there are two collections from Akmene district (N-L) and Vilnius (E-L) collected by Ignatavičiute.

Phyllosticta lanatane Pass. – T5, on leaves of *Virburnum opulus*, 12 Sept. 1989, BILAS-Tr. 64, conidia 3-6 x 2-3 µm.

**Phyllosticta pirina* Sacc. – Teleom.: *Mycosphaerella bellona* Sacc. T22, on leaves of *Pyrus communis*, 19 Sept. 1991, BILAS-Tr. 65. Conidia 3-5 x 5-2 µm.

Phyllosticta rhamni Westend. – T19, on leaves of *Frangula alnus*, 10 Sept. 1991, BILAS-Tr. 66. Markievičius (1991) reported it from Šiauliai district on *Rhamnus cathartica*.

Piggotia coryli (Desmaz.) Sutton (Syn.: *Gloeosporium coryli* (Desmaz.) Sacc.) – T26, on leaves of *Corylus avellana*, 12 Sept. 1989, BILAS-Tr. 68, It is widespread nearly in the whole territory of Lithuania.

Seimatosporium caudatum (Preuss) Shoemaker (Syn.: *Coryneum confusum* Bub. et Kab.) – T22, on leaves of *Rosa cinnamonea*, 19 Sept. 1991, BILAS-Tr. 732, on leaves of *Rosa* sp., 25 Sept. 1991, BILAS-Tr. 798. Ž u k l y s (1960) reported it from Kaunas (C-L) on *R. canina*.

Seimatosporium lichenicola (Corda) Shoemaker et Müller (Syn.: *Coryneum microstictum* Berk. et Broome; *C. foliicola* Fuckel) – Teleom.: *Discostroma corticola* (Fuckel) I. Brockmann, T26, on leaves of *Malus domestica*, 12 Sept. 1989, BILAS-Tr. 666; T8, 18 Sept. 1990, BILAS-Tr.; T10, 19 Sept. 1990, BILAS-Tr. 709; T7, on leaves of *Pyrus communis*, 17 Sept. 1990, BILAS-Tr. 711; T9, on leaves of *Sorbus aucuparia*, 14 Sept. 1990, BILAS-Tr. 757. The variation in size of acervulus and conidium (Table 2) can be attributed to influence of host plants.

Table 2

Size in µm of conidiomata and conidia of *Seimatosporium lichenicola* on various host plants

Host plants	Acervulus	Conidium
Malus domestica	250	10.5-16.5 x 4.5-6 (11.5-15.2 x 4.5-5.5)
Sorbus aucuparia	150-200	12-15 x 4-6 (13-14.7 x 4.2-5.2)
Pyrus communis	120-240	12-21 x 5-7.5 (14-17 x 5.8-7)

Septogloeum carthusianum Sacc. – T6, on leaves of *Euonymus verrucosa*, 18 Sept. 1990, BILAS-Tr. 713 (Fig. 11).

Septoria cornicola Desmaz. – T25, on leaves of *Cornus sanguinea*, Sept. 1989, BILAS-Tr. 69, (Fig. 11); environs of Druskininkai (S-L), 1987, leg. A. Treigiene (in herb.). M a r k i e v i č i u s (1985) reported it from Šalčininkai district (E-Lithuania).

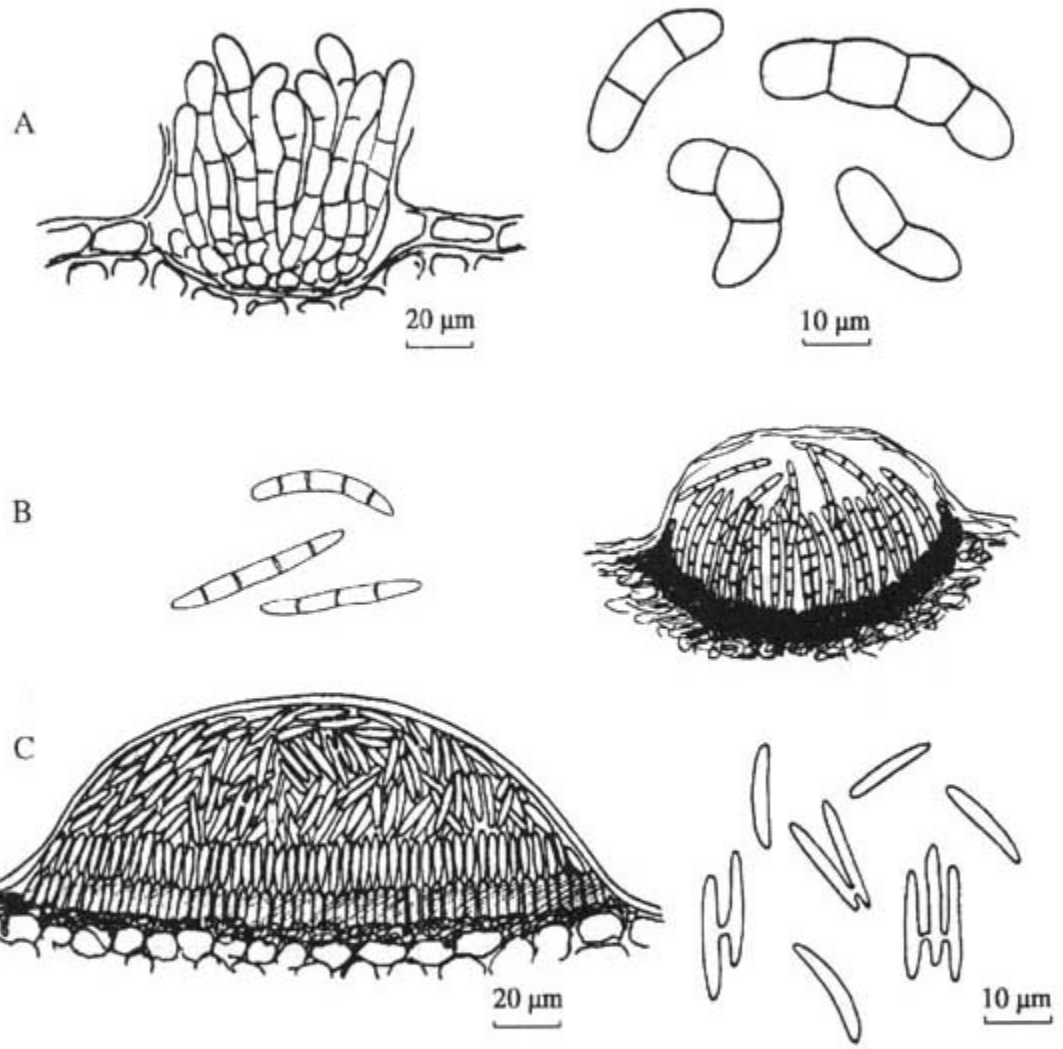

Fig. 11. *Septogloeum cartusianum* (A), *Septoria cornicola* (B) and *Titaeosporina tremulae* (C)
Conidiana and conidia: A – on *Euonymus verrucosa*, B – on *Cornus sanguinea*,
C – on *Populus tremula*

Septoria dimera Sacc. – T3, on leaves of *Silene nutans*, 17 Sept. 1992, BILAS-Tr. 70. It has been collected in Akmene district (in herb. BILAS-Ignatavičiute 35). Ma r k i e v i č i u s (1985) reported it from Šalčininkai district. (E-L).

Septoria drummondii Ell. et Everh. – T22, on leaves and stems of *Phlox* sp., 19 Sept. 1991, BILAS-Tr. 71. It is common species in Lithuania.

Septoria hypericorum N. Golov. – T12, on leaves of *Hypericum perforatum*, 27 Sept. 1989, BILAS-Tr. 72. M a r k i e v i č i u s (1985) reported it from Neringa (W-L).

Septoria lysimachiae (Lib.) Westend. – T5, on leaves of *Lysimachia vulgaris*, 12 Sept. 1989, BILAS-Tr. 73.

Septoria magnusiana Allesch. – T15, on leaves of *Spiraea chamaedrypholia*, 26 Sept. 1989, BILAS-Tr. 74; T22, 19 Sept. 1991, BILAS-Tr. 84. It has been collected by K r u s z y ń s k i (1937) in Lida. M a r k i e v i č i u s (1985) reported it from Varena district (S-L).

Septoria ribis (Lib.) Desmaz. – Teleom.: *Mycosphaerella ribis* (Fuckel) Feltgen, T5, on leaves of *Ribes rubrum*, 12 Sept. 1989, BILAS-Tr. 75; T19, 10 Sept. 1991, BILAS-Tr. 78; T26, 12 Sept. 1989, BILAS-Tr. 77; T19, on leaves of *R. nigrum*, 12 Sept. 1989, BILAS-Tr. 76. It is widespread fungus in the whole territory of Lithuania.

Septoria rubi Westend. – Teleom.: *Mycosphaerella rubi* Roark. T21, on leaves of *Rubus idaeus*, 18 Sept. 1991, BILAS-Tr. 79; T20, 10 Sept. 1991, BILAS-Tr. 80; T17, 10 Sept. 1991, It is reported by T r z e b i ń s k i (1937) from Androniškai (Androniszki).

**Sphaeropsis sapinea* (Fr.) Dyko et Sutton – T3, on cones of *Picea abies*, 17 Sept. 1991, BILAS-Tr. 82. Conidiogenous cells 15-20 µm long, conidia 30-45 x 10-16 µm.

Titaeosporina tremulae (Lib.) v. Luyk – T1, on leaves of *Populus tremula*, 23 Sept. 1990, BILAS-Tr. 719; T10, 15 Sept. 1990, BILAS-Tr. 752; T12, 27 Sept. 1989, BILAS-Tr. 627; T9, 18 Sept. 1990, BILAS-Tr. 705 (Fig. 11). The species appeared in hot and dry summer in 1992, after it has not shown at all.

Truncatella angustata (Pers.) Hughes. – C6, on dead cone of *Picea abies*, 23 Sept. 1991, KRAM-Chleb. 41 978. T r e i g i e n e (1993 a) found it on *Pinus sylvestris* (S-L), *Sorbus aucuparia* (Vilnius, E-L) and *Rododendron* sp. (Kaunas, C-L). It is cosmopolitan species.

HOST FUNGUS LIST

ACER PLATANOIDES – *Cryptodiaporthe hystrix, Diatrype stigma, Discosia strobilina, Eutypa lata, Eutypa lejopalca, Eutypella tetraploa, Nectria cinnabarina.*

ALNUS GLUTINOSA – *Asteroma alnea, Diatrypella favacea, Hypoxylon fuscum, Nectria cinnabarina, Winterella suffusa, Disculina vulgaris.*

BETULA PENDULA – *Coronophora gregaria, Coryneum brachyurum, Diatrype undulata, Diatrypella favacea, Discula betulina, Hypoxylon multiforme, Melanconis stilbostoma, Melanconium bicolor, Pseudovalsa lanciformis, Ustulina deusta, Disculina betulina, Myxocyclus polycistis.*

— *PUBESCENS* – *Diatrypella favacea, Discula betulina, Hypoxylon multiforme, Melanconis stilbostoma, Trimmatostroma betulinum.*

CALAMAGROSTIS ARUNDINACEA – *Phaeosphaeria culmorum, P. fuckelii, P. herpotrichoides, P. luctuosa, Puccinia coronata.*

— *EPIGEIOS* – *Colletotrichum graminicola, Phaeosphaeria caricis, P. herpotrichoides, P. luctuosa.*

CERASUS VULGARIS – *Phloeosporella padi.*

CHAMAEDAPHNE CALYCULATA – *Gibbera cassandrae.*

CORNUS SANGUINEA – *Septoria cornicola.*

CORYLUS AVELLANA – *Ascochyta coryli, Diatrype stigma, Diatrypella favacea, Gloeosporium vogelianum, Hypoxylon fragiforme, H. fuscum, H. howeanum, H. multiforme, H. rubiginosum, Melanomma pulvis-pyrius, Monochaetia concentrica, Phyllosticta coryli, Piggotia coryli.*

CRATAEGUS sp. – *Diaporthe crataegi.*

EUONYMUS VERRUCOSA – *Colletotrichum dematium, Septogloeum carthusianum.*

FAGUS SYLVATICA – *Discula umbrinella.*

FRAGARIA VESCA et *FRAGARIA CULT.* – *Marssonina fragariae.*

FRANGULA ALNUS – *Diaporthe syngenesia, Phyllosticta rhamni, Valsa auerswaldii, Cytospora personata.*

FRAXINUS EXCELSIOR – *Barrmaelia oxyacanthae, Cryptosphaeria eunomia* var. *fraxini, Eutypa astroidea, E. lata, Hypoxylon rubiginosum, H. serpens, Hysterographium fraxini, Phyllosticta fraxinicola, Platystomum compressum, Ustulina deusta, Xylaria polymorpha, Zignoella ovoidea, Diplodia mutila, Phomopsis* sp. (*Diaporthe scobina*).

HYPERICUM PERFORATUM – *Septoria hypericorum.*

IMPATIENS NOLI-TANGERE – *Phyllosticta impatiens.*

JUGLANS NIGRA – *Marssonina juglandis.*

JUNCUS EFFUSUS – *Phaeosphaeria norfolcia, Phyllachara junci.*

LINUM USITATISSIMUM – *Colletotrichum lini.*

LONICERA XYLOSTEUM – *Kabatia periclymeni* var. *xylostei.*

LYSIMACHIA VULGARIS – *Septoria lysimachiae.*

MALUS DOMESTICA – *Phyllosticta briardi, Seimatosporium lichenicola.*

MOLINIA COERULEA – *Claviceps purpurea.*

NUPHAR LUTEUM – *Mycospherella pontederiae.*

PADUS AVIUM – *Asteroma padi.*

PHASEOLUS VULGARIS – *Colletotrichum lindomuthianum.*

PHILADELPHUS CORONARIUS – *Ascochyta philadelphi.*

PHLOX sp. – *Septoria drummondii.*

PHRAGMITES AUSTRALIS – *Scirrhia rimosa.*

PICEA ABIES – *Cirrenalia lignicola, Discosia faginea, Sphaeropsis sapinea, Truncatella angustata.*

PINUS SYLVESTRIS – *Conichaeta malacotricha, Valsa pini, Cytospora pinastri.*

POPULUS ALBA – *Marssonina populi.*

— *TREMULA* – *Bertia moriformis* var. *moriformis, Diatrype flavovirens, Eutypa sparsa, Hypoxylon serpens, Lophiostoma macrostomoides, Titaeosporina tremulae, Tubercularia vulgaris, Valsa nivea, Xylaria hypoxylon.*

PTERIDIUM AQUILINUM – *Metameris aspidiorum.*

PYRUS COMMUNIS – *Seimatosporium lichenicola, Phyllosticta pirina.*

QUERCUS ROBUR – *Coryneum umbonatum, Discula umbrinella, Melanomma fuscidulum.*

RIBES NIGRUM et *R. RUBRUM* – *Gleosporidiella ribis, Septoria ribis.*

— *ALPINUM* – *Gloeosporidiella ribis.*

RUBUS IDAEUS – *Cryptodiaporthe verpis, Kalmusia coniothyrium, Septoria rubi.*

ROSA CANINA – *Marssonina rosae.*

— *CINNAMONEA* – *Seimatosporium caudatum.*

SALIX CAPREA – *Hypoxylon mammatum.*

— *CINEREA* – *Valsa salicina.*

— *FRAGILIS* – *Monostichella salicis.*

— NIGRICANS – *Coronophora annexa, Diatrype bullata, Lophiotrema nucula.*

— PURPUREA – *Allantoporthe tessella, Diatrype bullata, D. stigma, Valsa nivea, V. salicina, V. salicis, Diplodia salicina, Diplodina microsperma, Trimmatostroma salicis.*

SAPONARIA OFFICINALIS – *Colletotrichum dematium, Gloeosporium saponariae.*

SILENE NUTANS – *Septoria dimera.*

SORBUS AUCUPARIA – *Diatrype stigma, Eutypella sorbi, Hypoxylon fuscum, Seimatosporium lichenicola.*

SPIRAEA CHAMAEDRYPHOLIA – *Colletotrichum gleoosporioides, Septoria magnusiana.*

SYRINGA VULGARIS – *Ascochyta syringae.*

TILIA CORDATA – *Amphiporthe hranicensis, Eutypella leprosa, Nectria cinnabarina, N. coccinea, Valsa ambiens.*

— *PLATYPHYLLOS* – *Discula umbrinella.*

TRIFOLIUM PRATENSE – *Aureobasidium caulivorum.*

ULMUS GLABRA – *Phloeospora ulmi.*

URTICA DIOICA – *Leptosphaeria acuta, Phoma piskorzii.*

VACCINIUM MYRTILLUS – *Myxothyrium leptideum.*

VIBURNUM OPULUS – *Phyllosticta lantanae.*

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