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Objektyp: **Article**

Zeitschrift: **Mitteilungen der Schweizerischen Entomologischen Gesellschaft = Bulletin de la Société Entomologique Suisse = Journal of the Swiss Entomological Society**

Band (Jahr): **79 (2006)**

Heft 1-2

PDF erstellt am: **22.07.2024**

Persistenter Link: <https://doi.org/10.5169/seals-402914>

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New records of Agromyzidae (Diptera) from the Palaearctic Region

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New faunistic records for 149 palaearctic species of Agromyzidae are given for 22 European, 4 African and 4 Asian countries.

Keywords: Diptera, Agromyzidae, new records, Palaearctic Region.

INTRODUCTION

The distribution of most species of the large dipteran family Agromyzidae is still only insufficiently known for most parts of Europe, North Africa and the Asian part of the Palaearctic Region. This contribution completes the knowledge of the agromyzid fauna in Europe summarized recently by Martínez (2004) and added to by Černý (2005a–e, in press), Černý & Merz (2005) and Černý & Vála (in press). New faunistic data from Europe, Canary Islands, North Africa (Egypt, Morocco and Tunisia) and Asia (Iraq, Kyrgyzstan, Turkey and Uzbekistan) are also presented.

MATERIAL AND METHODS

This study is based on specimens deposited in the following collections:
CMBP – private collection Miroslav Barták, Praha, Czech Republic
CMCH – private collection Miloš Černý, Halenkovice, Czech Republic
CPGM – private collection Paul Gatt, Rabat, Malta
IZBA – Institute of Zoology, Bulgarian Academy of Sciences, Bulgaria (Venelin Beschovski)
IZSB – Institute of Zoology, Slovak Academy of Science Bratislava, Slovakia (Milan Kozánek)
MEB – Museum of East Bohemia, Hradec Králové, Czech Republic (Bohuslav Mocek)
MHNG – Muséum d'histoire naturelle, Genève, Switzerland (Bernhard Merz)
MMB – Entomological Department of the Moravian Museum, Brno, Czech Republic (Igor Malenovský)
MZH – Museum Zoologici Helsinki, Finland (Pekka Vilkkamaa)
MZLU – Museum of Zoology, Lund University, Sweden (Roy Danielsson)
NHML – The Natural History Museum London, England (Nigel Wyatt)
TAU – Tel Aviv University, Israel (Amnon Freidberg)
ZMUC – Zoological Museum, University Copenhagen, Denmark (Rudolf Meier)

Genera and species are arranged alphabetically in the two subfamilies Agromyzinae and Phytomyzinae. All material examined was identified by the first author.

Distribution of species in Europe is well documented in the database “Fauna Europaea” which is available on the internet (Martinez 2004). Therefore we give here only records which are not listed in this database.

LIST OF SPECIES

Subfamily Agromyzinae*Agromyza abiens* Zetterstedt, 1848

Material examined: Portugal: Guarda, Estrela Mts, Manteigas env., valley of Mondego river, 1000 m a.s.l., 1 ♂, 12.vi.1997, B. Mocek leg. (CMCH).

Distribution: Europe (Martinez 2004); Africa: Morocco (Spencer 1967). New to the fauna of Portugal.

Agromyza anthracina Meigen, 1830

Material examined: Yugoslavia: Serbia, Djiči (Ljig), 1 ♂, 30.v.1967, P. Lauterer leg. (MMB).

Distribution: Europe (Martinez 2004); Asia: China (Sasakawa 1986). New to the fauna of Yugoslavia.

Agromyza bicaudata (Hendel, 1920)

Material examined: Morocco: Azrou, Ifrane area, 1400–2000 m a.s.l., 1 ♂, 17.–19.iv.1989, Mus. Copenh. Exp. leg. (ZMUC).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e); Asia: Russia. New to the fauna of Morocco.

Agromyza bromi Spencer, 1966

Material examined: Bulgaria: Arda valley NE Madzharovo, 160 m a.s.l., 1 ♂, 26.ix.–14.x.2000, H. Eturska leg. (IZBA).

Distribution: Europe (Martinez 2004). New to the fauna of Bulgaria.

Agromyza flavipennis Hendel, 1920

Material examined: Uzbekistan: Aman-Kutan, pasture, 39.19N/66.55E, 1300 m a.s.l., 1 ♂, 23.v.1989, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004); Asia: Israel (Spencer 1974). New to the fauna of Uzbekistan.

Agromyza frontella (Rondani, 1875)

Material examined: Morocco: Azrou, Ifrane area, 1400–2000 m a.s.l., 2 ♀♀, 17.–19.iv.1989, Mus. Copenh. Exp. leg. (ZMUC). Norway: STi: Kongsvoll, 900–1100 m a.s.l., 1 ♂, 20.–28.vii.1983, O. Karsholt & V. Michelsen leg. (ZMUC).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e); Asia: Afghanistan (Spencer 1976b), Israel (Spencer 1974), Turkey (Civelek 2003); North America: Canada, United States. New to the fauna of Morocco and Norway.

Agromyza frontosa (Becker, 1908)

Material examined: Morocco: Azrou, Ifrane area, 1400–2000 m a.s.l., 2 ♂♂, 1 ♀, 17.–19.iv.1989, Zool. Mus. Copenh. Exp. leg. (ZMUC).

Distribution: Europe (Martinez 2004); Africa: Canary Islands, Egypt (Steyskal & El-Bialy 1968). New to the fauna of Morocco.

Agromyza graminicola Hendel, 1931

Material examined: Iraq: Baghdad, Sci. Res. Cent. – Garden, 1 ♂, 11.iv.1988, J. Olejníček leg. (CMBP). Tunisia: Jendouba, Oued Mellegue, 1 ♂, 11.v.1995, P. Gatt leg. (CMCH).

Distribution: Europe (Martinez 2004), Czech Republic (Černý 1999); Africa: Egypt (Steyskal & El-Bialy 1968); Asia: Cyprus (Černý & Vála in press). New to the fauna of Iraq and Tunisia.

Agromyza marionnae Griffiths, 1963

Material examined: Sweden: TLpm, Abisko Reg., Research Stat, 68.21N/18.48E, 380 m a.s.l., 1 ♂, 2.viii.2001, B. Merz leg. (MHNG).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e). New to the fauna of Sweden.

Agromyza megalopsis Hering, 1933

Material examined: Egypt: Cairo, El-Marg, orange orchard, 30.16N/31.23E, 2 ♂♂, 22.iii.1996, M. Barták leg. (CMBP). Turkey: Hatay, Harbiye, near Antakya, river valley, 1 ♂, 21.v.1997, V. Vrabec leg. (CMB); Mahmatlar near Ergidir lake, 30 km NO, Isparta, 1 ♂, 7.v.1991, B. Mocek leg. (CMCH); Nur Daglari Mts, 30 km E, Osmayiye Hasanbeyli, 1200 m a.s.l., 2 ♂♂, 5.v.1996, B. Mocek leg. (CMCH, MEB). Uzbekistan: Chingan, damp valley, 41.38N/70.02E, 1200 m a.s.l., 2 ♂♂, 18.v.1989, M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2004); Asia: Cyprus (Černý & Vála in press). New to the fauna of Egypt, Turkey and Uzbekistan.

Agromyza mobilis Meigen, 1830

Material examined: Greece: Pelopónnisos, Taiyetos Mts, 950–1800 m a.s.l., 3 ♂♂, 15.–19.v.1990, Zool. Mus. Copenh. Exp. leg. (ZMUC).

Distribution: Europe (Martinez 2004); Asia: China (Yang 1996), Japan. New to the fauna of Greece.

Agromyza myosotidis Kaltenbach, 1864

Material examined: Uzbekistan: Tashkent, damp meadow, 41.24N/69.28E, 1 ♂, 16.v.1989, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Maltese Islands (Černý 2005b); Africa: Ethiopia. New to the fauna of Uzbekistan.

Agromyza nana Meigen, 1830

Material examined: Corsica: 20 km N, Corte Haut Asco, alpine zone, 1500 m a.s.l., 2 ♂♂, 7.v.1993, B. Mocek leg. (CMCH, MEB).

Distribution: Europe (Martinez 2004); Africa: Canary Islands, Egypt (Steyskal & El-Bialy 1968), Morocco (Spencer 1967), Tunisia; Asia: Cyprus (Černý & Vála in press), India, Israel (Spencer 1974), Russia, Turkey (Civelek 2003). New to the fauna of Corsica.

Agromyza nigrescens Hendel, 1920

Material examined: Turkey: Nemrut Daglari Mts, 5 km E Adiyaman, garden, pasture, 1 ♂, 9.v.1996, B. Mocek leg. (CMCH).

Distribution: Europe (Martinez 2004); Africa: Canary Islands; Asia: Uzbekistan. New to the fauna of Turkey.

Agromyza nigripes Meigen, 1830

Material examined: Bulgaria: Tazha, 1400 m a.s.l., 1 ♂, 26.vii.1996, V. Beschovski leg. (IZBA). Turkey: Göre, 2 km S, Nevsehir, 1 ♂, 29.iv.1991, B. Mocek leg. (CMCH).

Distribution: Europe (Martinez 2004); Asia: India, Syria; North America: Canada. New to the fauna of Bulgaria and Turkey.

Agromyza nigrociliata Hendel, 1931

Material examined: Russia: Moscow, Orechovo, sweeping vegetation, 55.48N/37.45E, 1 ♂, 23.vi.1987, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Italy (Černý in press); Asia: Russia (Kuril Islands) (Iwasaki 2000). New to the fauna of the European part of Russia.

Agromyza phragmitidis Hendel, 1920

Material examined: Austria: Attersee, edge of mixed wood, 47.50N/13.31E, 1 ♂, 30.vii.1988, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004); Asia: China (Sasakawa 1988), India, Japan, South Korea (Suh & Kwon 1998a). New to the fauna of Austria.

Agromyza pittodes Hendel, 1931

Material examined: Slovakia: Roháče Mts, Roháčská plesa, 1700 m a.s.l., 1 ♂, 24.vi.1971, P. Lauterer leg. (MMB).

Distribution: Europe (Martinez 2004); Asia: Japan, Russia. New to the fauna of Slovakia.

Agromyza prespana Spencer, 1957

Material examined: Turkey: Nemrut Daglari Mts, 5 km E, Adiyaman, garden, pasture, 1 ♂, 9.v.1996, B. Mocek leg. (CMCH).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e). New to the fauna of Turkey.

Agromyza pseudoreptans Nowakowski, 1967

Material examined: Greece: Macedonia, Florina Pissoderi, wood, meadow, stream, 1200 m a.s.l., 1 ♂, 13.v.1998, P. Gatt leg. (CMCH). Russia: Moscow, Izmailovo, park vegetation, 55.49N/37.45E, 1 ♂, 1.ix.1988, M. Barták leg. (CMBP). Uzbekistan: Zeravshan res., deciduous wood, 39.38N/67.08E, 1 ♂, 24.v.1989, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Norway (Andersen & Jonassen 1994), Switzerland (Černý 2005e); Africa: Canary Islands; North America: Alaska, Canada, United States. New to the fauna of Greece, Russia and Uzbekistan.

Agromyza rondensis Strobl, 1900

Material examined: Egypt: Cairo, El-Marg, orange orchard, 30.16N/31.23E, 5 ♂♂, 22.iii.1996; Tanta, 12 km SE, orchard, 30.41N/31.02E, yellow pan traps, 1 ♂, 27.–28.iii.1996, all M. Barták leg. (CMBP). Greece: Pelopónnisos, Monemvasia, 5 km S, 1 ♂, 7.xii.1983, G. Christensen leg. (ZMUC).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e); Asia: Cyprus (Černý & Vála in press), Israel (Spencer 1974), South Korea (Suh & Kwon 1998a), Turkey (Civelek 2003). New to the fauna of Egypt and Greece.

Agromyza spenceri Griffiths, 1963

Material examined: Morocco: Asni area, 1100–1400 m a.s.l., 1 ♂, 8.–10.iv.1989, Zool. Mus. Copenh. Exp. leg. (ZMUC). Uzbekistan: Tashkent, along brook, 41.15N/69.28E, 1 ♂, 19.v.1989, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Italy (Černý in press), Maltese Islands (Černý 2005b). New to the fauna of Morocco and Uzbekistan.

Agromyza woerzi Groschke, 1957

Material examined: Norway: STi: Kongsvoll, 900–1100 m a.s.l., 1 ♂, 20.–28.vii.1983, O. Karsholt & V. Michelsen leg. (ZMUC).

Distribution: Europe (Martinez 2004). New to the fauna of Norway.

Hexomyza centaureae Spencer, 1966

Material examined: Greece: Pelopónnisos, Taiyotos Mts, 950–1800 m a.s.l., 2 ♂♂, 1 ♀, 15.–19.v.1990, Zool. Mus. Copenh. Exp. leg. (ZMUC).

Distribution: Europe (Martinez 2004). New to the fauna of Greece.

Hexomyza sarothramni (Hendel, 1923)

Material examined: Greece: Pelopónnisos, Taiyotos Mts, 950–1800 m a.s.l., 1 ♂, 15.–19.v.1990, Zool. Mus. Copenh. Exp. leg. (ZMUC). Portugal: Guarda, Estrela Mts, Manteigas env., valley of Mondego river, 1000 m a.s.l., 4 ♂♂, 12.vi.1997, B. Mocek leg. (CMCH, MEB).

Distribution: Europe (Martinez 2004); Asia: Cyprus (Černý & Vála in press). New to the fauna of Greece and Portugal.

Hexomyza simplex (Loew, 1869)

Material examined: Albania: Nat. park Karavastas, coast on Adriatic Sea, pine forest, 1 ♂, 18.vi.1994, B. Mocek leg. (CMCH).

Distribution: Europe (Martinez 2004); Asia: Hawaiian Islands; North America: United States. New to the fauna of Albania.

Melanagromyza aeneoventris (Fallén, 1823)

Material examined: Bulgaria: Kiten, oak wood, pig farm, 42.14N/27.48E, 1 ♂, 17.vii.1987; Sliven, 15 km N, pasture, 42.50N/26.15E, 900 m a.s.l., 1 ♂, 21.vii.1987, all M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Slovakia (Černý *et al.* in press B); Asia: Japan, Pakistan, Russia. New to the fauna of Bulgaria.

Melanagromyza albocilia Hendel, 1931

Material examined: Bulgaria: Veliko Tarnovo, 1 ♂, 28.vi.1988, B. Mocek leg. (CMCH). Uzbekistan: Chinaz, along river Syrdarya, 40.53N/68.43E, 1 ♂, 20.v.1989; Samarkand, along river Zeravshan, 39.38N/67.04E, 2 ♂♂, 22.v.1989; Zeravshan res., deciduous wood, 39.38N/67.08E, 1 ♂, 24.v.1989, all M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2004), Maltese Islands (Černý 2005b); Africa: Canary Islands, Egypt; Asia: Israel (Spencer 1974), Russia, Uzbekistan. New to the fauna of Uzbekistan.

Melanagromyza cunctans (Meigen, 1830)

Material examined: Albania: Nat. park Dajt, 15 km NO, Tirana, deciduous forest, 1100 m a.s.l., 1 ♂, 14.vi.1994, B. Mocek leg. (CMCH). Bulgaria: Kiten, oak wood and pig farm, 42.14N/27.48E, 1 ♂, 17.vii.1987, M. Barták leg. (CMBP); Shabla, meadow, 1 ♂, 26.v.1993, V. Beschovski leg. (IZBA); Sofia, Oranovo, Rozloshko, lawn, 1 ♂, 21.ix.1973, V. Beschovski leg. (IZBA). Uzbekistan: Fergana Valley, Yaz' yavan region, 470 m a.s.l., 1 ♂, 1 ♀, 17.v.1994, B. Merz leg. (MHNG); Karamazar, 41.32N/69.48E, damp meadow, 500 m a.s.l., 2 ♂♂, 18.v.1989, M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2004), Maltese Islands (Černý 2005b), Sicily (Černý in press); Africa: Canary Islands, Democratic Republic of the Congo, Egypt (Steyskal & El-Bialy 1968), Madagascar, Uganda, South Africa; Asia: Cyprus (Černý & Vála in press), India, Turkey (Civelek 2003), Uzbekistan. New to the fauna of Albania, Bulgaria and Uzbekistan.

Melanagromyza ferulae Spencer, 1966

Material examined: Spain: Gerona, Caralps, 1200–1300 m a.s.l., 1 ♂, 13.–17.vi.1982, Andersen, Lyneborg & Michelsen leg. (ZMUC).

Distribution: Europe (Martinez 2004). New to the fauna of Spain.

Melanagromyza rohdendorfi Spencer, 1966

Material examined: Yugoslavia: Montenegro, 1850–2000 m a.s.l., 1 ♂, 10.vi.1967, P. Lauterer leg. (MMB).

Distribution: Europe (Martinez 2004), Italy (Černý in press). New to the fauna of Yugoslavia.

Melanagromyza symphyti Griffiths, 1963

Material examined: Kyrgyzstan: Kara-Arthsa Tal, 35 km ESE, Dzhambul, 1550 m a.s.l., 1 ♂, 3.v.1994, B. Merz leg. (MHNG). Uzbekistan: Aman-Kutan, pasture, 39.19N/66.55E, 1300 m a.s.l., 4 ♂♂, 1 ♀, 23.v.1989, M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2004). New to the fauna of Kyrgyzstan and Uzbekistan.

Melanagromyza tripolii Spencer, 1957

Material examined: Ukraine: Zaporožskaja Province, Vasiljevka, 1 ♂, 30.v.1990, Zrazhevsky leg. (CMBP).

Distribution: Europe (Martinez 2004), Italy (Černý in press). New to the fauna of Ukraine.

Ophiomyia beckeri (Hendel, 1923)

Material examined: Albania: Prokletije Mts, Boge, meadow, Fagetum, 1500 m a.s.l., 1 ♂, 17.vi.1994, B. Mocek leg. (CMCH). Portugal: Faro, Luz env., 10 km W, Lagos, pasture, 1 ♂, 4.–5.vi.1997, B. Mocek leg. (CMCH).

Distribution: Europe (Martinez 2004), Belgium (Scheirs *et al.* 1995), Maltese Islands (Černý 2005b), Switzerland (Černý & Merz 2005); Africa: Canary Islands, Egypt (Steyskal & El-Bialy 1968), Madeira, Morocco (Spencer 1967), South Africa, Tanzania, Tunisia, Zimbabwe; Asia: India (Spencer 1962), Israel (Spencer 1974). New to the fauna of Albania and Portugal.

Ophiomyia cichorii Hering, 1949

Material examined: Bulgaria: Jasna Poljana, 25 km SSE, Burgas, pasture, 1 ♂, 7.vii.1988, B. Mocek leg. (CMCH).

Distribution: Europe (Martinez 2004), Italy (Süss, 1983, Černý in press). New to the fauna of Bulgaria.

Ophiomyia collini Spencer, 1971

Material examined: Switzerland: Genève, Corsier-Port, vitre véranda, 1 ♂, 1.–31.vii.2005, C. Besuchet leg. (MHNG).

Distribution: Europe (Martinez 2004). New to the fauna of Switzerland.

Ophiomyia cunctata (Hendel, 1920)

Material examined: Croatia: Peljašac peninsula, Orebič, sea coast, 1 ♂, 10.–20.vi.1983, Podhradský leg. (CMBP). Greece: Pelopónnisos, Monemvasia, 5 km S, 1 ♂, 30.vi.1984, G. Christensen leg. (ZMUC).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e); Africa: Canary Islands; Asia: Cyprus (Černý & Vála in press), Russia, Turkey (Civelek 2003). New to the fauna of Croatia and Greece.

Ophiomyia curvipalpis (Zetterstedt, 1848)

Material examined: Bulgaria: G. Deltshev, Ormana, on luzerne, 1 ♀, 17.v.1973, V. Beschovski leg. (IZBA); Kotel, meadow near wood, 42.55N/26.24E, 1 ♂, 21.vii.1987, M. Barták leg. (CMBP); Pleven, meadow, 1 ♀, 16.vii.1984, Dontchev leg. (IZBA). Greece: Pelopónnisos, Monemvasia, 5 km S, 1 ♂, 24.x.1983, 1 ♂, 13.vi.1984, 1 ♀, 23.vi.1984, 1 ♀, 3.vii.1984, 1 ♀, 31.vii.1984, G. Christensen leg. (ZMUC). Romania: Voineasa, pasture near river, 45.28N/23.52E, 23.vii.1987, M. Barták leg. (CMBP). Ukraine: Odessa, park vegetation, 46.28N/30.48E, 200 m a.s.l., 1 ♂, 20.ix.1986, M. Barták leg. (CMCH); Krym, Kalinino, 1 ♂, 7.vi.1990, Zrazhevsky leg. (CMBP).

Distribution: Europe (Martinez 2004), Maltese Islands (Černý 2005b), Sardinia and Sicily (Černý & Vála in press); Africa: Canary Islands, Morocco (Spencer 1967); Asia: Cyprus (Černý & Vála in press), Israel (Spencer 1974), Japan, Turkey (Civelek 2003). New to the fauna of Bulgaria, Greece, Romania and Ukraine.

Ophiomyia galii Hering, 1937

Material examined: Bulgaria: Alibutusch near Goleschovo, 900–1500 m a.s.l., 1 ♂, 25.vi.1979, Hubenov leg. (IZBA); Veliko Tarnovo, 1 ♂, 28.vi.1988, B. Mocek leg. (CMCH). Sweden: Sm., Söderåkra, Fulvik, 1 ♂, 25.vi.1989; Växjö, N. Åreda, 2 ♂, 20.vi.1987, all R. Danielsson leg. (MZLU).

Distribution: Europe (Martinez 2004), Italy (Černý in press), Switzerland (Černý 2005e). New to the fauna of Bulgaria and Sweden.

Ophiomyia inaequabilis (Hendel, 1931)

Material examined: Spain: Gerona, Caralps, 1200–1300 m a.s.l., 1 ♂, 13.–17.vi.1982, Andersen, Lyneborg & Michelsen leg. (ZMUC).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e); Asia: Turkey (Hendel 1931–1936). New to the fauna of Spain.

Ophiomyia labiatarum Hering, 1937

Material examined: Sweden: Sk., Dalby, 1 ♂, 18.viii.1988; Sm., Bergkvara, 1 ♂, 9.vi.1985, 1 ♂, 20.viii.1988; Torsås, Siggesbo, swept along road side, 1 ♂, 1.vii.1989, all R. Danielsson leg. (MZLU). Turkey: 2 km S, Nevsehir, Göre, 1 ♂, 29.iv.1991, B. Mocek leg. (CMCH).

Distribution: Europe (Martinez 2004), Belgium (Scheirs *et al.* 1999); Asia: Israel (Spencer 1974); North America: Canada, United States. New to the fauna of Sweden and Turkey.

Ophiomyia longilingua (Hendel, 1920)

Material examined: Sweden: Sk., Norr Krankesjön, 1 ♂, 3.vii.1975, H. Andersson leg. (MZLU); Sm., Torsås, Getnabo, 1 ♂, 1 ♀, 24.vi.1992, R. Danielsson leg. (MZLU).

Distribution: Europe (Martinez 2004). New to the fauna of Sweden.

Ophiomyia melandricaulis Hering, 1943

Material examined: Sweden: Hall., Enslöv, Årnilt 1 ♀, 21.vi.1971, H. Andersson leg. (MZLU); Sk., Dalby, Ö. Mölla, 1 ♀, 28.v.1989, 1 ♀, 18.vii.1989; Snogeholm, 1 ♀, 21.v.1989; Stensoffa, 1 ♀, 29.vii.1981, H. Andersson leg. (MZLU); Sm., Söderåkra, Ryd, 1 ♂, 23.vi.1987, all R. Danielsson leg. (MZLU); Sk., Kullagarg, 1 ♂, 21.vi.1973, H. Andersson leg. (MZLU).

Distribution: Europe (Martinez 2004). New to the fauna of Sweden.

Ophiomyia melandryi de Meijere, 1924

Material examined: Sweden: Sk., Hallands Väderö, Ängslövskog, 1 ♂, 31.v.1977, H. Andersson leg. (MZLU).

Distribution: Europe (Martinez 2004); Africa: Morocco (Spencer 1967); Asia: Cyprus (Černý & Vála in press). New to the fauna of Sweden.

Ophiomyia memorabilis Spencer, 1974

Material examined: Turkey: Ortahisar env., 10 km E, Nevşehir, garden, 1 ♂, 11.v.1996, steppe, B. Mocek leg. (CMCH).

Distribution: Israel (Spencer 1974). New to the fauna of Turkey.

Ophiomyia nasuta (Melander, 1913)

Material examined: Bulgaria: Georgi Trajkov, edge of oak wood, 43.00N/27.48E, 1 ♂, 15.vii.1987, M. Barták leg. (CMBP); Sliven, 42.50N/26.15E, 15 km N, pasture, 900 m a.s.l., 2 ♂♂, 21.vii.1987, M. Barták leg. (CMBP). Ukraine: Odessa, park vegetation, 46.28N/30.48E, 200 m a.s.l., 2 ♂♂, 18.ix.1986, M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2004), Italy (Süss 1999, Černý in press); Asia: Japan; North America: Canada, United States. New to the fauna of Bulgaria and Ukraine.

Ophiomyia orbiculata (Hendel, 1931)

Material examined: Bulgaria: General-Toshevo, on *Medicago*, 1 ♂, 5.vi.1974; Montana, Knezha, courtyard, 1 ♂, 16.vii.2003; Pleven, Grivitza, on *Triticum*, 1 ♂, 7.iv.1982, on *Medicago*, 1 ♂, 22.vii.1982, all V. Beschovski leg. (IZBA). Greece: Macedonia, Thessaloniki, Limni, Volvi, Langadikia, meadow, 1 ♂, 10.v.1998, P. Gatt leg. (CMCH); Halastros, Axios riverbank, 1 ♂, 12.v.1998, P. Gatt leg. (CPGM); Pelopónnisos, Monemvasia, 5 km S, 1 ♂, 28.viii.1983, 1 ♂, 10.ix.1984, G. Christensen leg. (ZMUC). Romania: Banat, Sf. Helena env., pasture, 2 ♂♂, 25.vi.1994, B. Mocek leg. (CMCH, MEB). Uzbekistan: Chimgan, alpine meadow, 41.38N/70.06E, 1800 m a.s.l., 1 ♂, 23.v.1989, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Italy incl. Sicily (Černý in press); Asia: Turkey (Civelek 2003). New to the fauna of Bulgaria, Greece, Romania and Uzbekistan.

Ophiomyia pinguis (Fallén, 1820)

Material examined: Bulgaria: Kovatchevtzi, pasture, 800 m a.s.l., 1 ♂, 3.vii.1983, B. Dimitrova leg. (IZBA); Montana, Vidin, Bela Rada, 1 ♂, 1 ♀, 9.viii.1986, V. Beschovski leg. (IZBA); East Rhodope Mts, Madzarovo, 1 ♀, 24.ix.1995, Manassieva leg. (IZBA); Shabla, 1 ♂, 26.v.1993, V. Beschovski leg. (IZBA). Romania: Voineasa, pasture near river, 45.28N/23.52E, 2 ♂♂, 1 ♀, 23.vii.1987, M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2004); Africa: Egypt (Steyskal & El-Bialy 1968); Asia: China (Sasakawa 1986), Israel (Spencer 1974), Tajikistan, Turkey (Civelek 2003), Uzbekistan. New to the fauna of Bulgaria and Romania.

Ophiomyia rostrata (Hendel, 1920)

Material examined: Bulgaria: Bjala Slatina, 1 ♂, 6.v.1983, V. Beschovski leg. (IZBA); Tolbukhin, grass, 1 ♂, 6.vi.1974, V. Beschovski leg. (IZBA). Uzbekistan: Zeravshan res., deciduous wood, 39.38N/67.08E, 2 ♂♂, 24.v.1989, M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2004). New to the fauna of Bulgaria and Uzbekistan.

Ophiomyia subheracleivora Černý, 1994

Material examined: Bulgaria: Strandja, Kacula, grass, 1 ♂, 20.vi.1985, V. Beschovski leg. (IZBA).

Distribution: Europe (Martinez 2004). New to the fauna of Bulgaria.

Ophiomyia submaura Hering, 1926

Material examined: Sweden: Nb., Råneå, Högsön, 1 ♀, 9.vii.1975, H. Andersson leg. (MZLU).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e); Asia: Turkey (Civelek 2003). New to the fauna of Sweden.

Ophiomyia vimmeri Černý, 1994

Material examined: Morocco: Rabat, Forêt de Mamora, 100 m a.s.l., 1 ♂, 25.–26.iv.1989, Zool. Mus. Copenh. Exp. leg. (ZMUC). Spain: Gerona, Caralps, 1200–1300 m a.s.l., 1 ♂, 1 ♀, 13.–17.vi.1982, Andersen, Lyneborg & Michelsen leg. (ZMUC).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e). New to the fauna of Morocco and Spain.

Subfamily Phytomyzinae*Amauromyza (Amauromyza) elaeagni* (Rohdendorf-Holmanová, 1959)

Material examined: Ukraine: Zaporožskaja Province, Vasiljevka, 1 ♂, 30.v.1990, Zrazhevsky leg. (CMBP).

Distribution: Europe (Martinez 2004); Asia: Russia. New to the fauna of Ukraine.

Amauromyza (Amauromyza) morionella (Zetterstedt, 1848)

Material examined: Macedonia: Katlanovo, 1 ♂, 14.vi.1967, P. Lauterer leg. (MMB).

Distribution: Europe (Martinez 2004), the Czech Republic (Černý 2005a); Africa: Morocco (Spencer 1967); Asia: Turkey (Civelek 2003). New to the fauna of Macedonia.

Amauromyza (Cephalomyza) karli (Hendel, 1927)

Material examined: Romania: Stoenesti, pasture near river, 44.08N/24.30E, 200 m a.s.l., 2 ♂♂, 14.vii.1987, M. Barták leg. (CMBP, CMCH). Spain: Figueres, deciduous wood, 42.18N/02.58E, 1 ♂, 4.vii.1990, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004); Asia: Mongolia (Spencer 1977a). New to the fauna of Romania and Spain.

Amauromyza (Cephalomyza) luteiceps (Hendel, 1920)

Material examined: Greece: Pelopónnisos, Monemvasia, 5 km S, 1 ♂, 23.v.1984, 1 ♂, 2.vi.1984, 1 ♂, 18.vi.1984, 1 ♂, 19.vi.1984, 1 ♀, 4.vii.1984, G. Christensen leg. (ZMUC). Spain: Figueres, deciduous wood, 42.18N/02.58E, 1 ♂, 4.vii.1990, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Czech Republic (Černý & Vála 1999), Norway (Andersen & Jonassen 1994); Maltese Islands (Černý 2005b); Asia: Turkey (Civelek 2003). New to the fauna of Greece and Spain.

Amauromyza (Cephalomyza) monfalconensis (Strobl, 1909)

Material examined: Uzbekistan: Aman-Kutan, pasture, 39.19N/66.55E, 1300 m a.s.l., 1 ♂, 23.v.1989, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004). New to the fauna of Uzbekistan.

Aulagromyza anteposita (Strobl, 1898)

Material examined: Bulgaria: Lovech, Karandili, meadow, 1000 m a.s.l., 6 ♂♂, 12.v.1974, V. Beschovksi leg. (IZBA).

Distribution: Europe (Martinez 2004). New to the fauna of Bulgaria.

Aulagromyza orphana (Hendel, 1920)

Material examined: Bulgaria: Lovech, Karandili, meadow, 1000 m a.s.l., 2 ♂♂, 12.v.1974, V. Beschovksi leg. (IZBA). Greece: Macedonia, Florina, Andartiko, meadow, stream, 1000 m a.s.l., 1 ♂, 13.v.1998; Pissoderi, wood, meadow, stream, 1200 m a.s.l., 1 ♂, 15.v.1998, all P. Gatt leg. (CMCH, CPGM).

Distribution: Europe (Martinez 2004), Belgium (Scheirs *et al.* 1999), Switzerland (Černý 2005e); Asia: Turkey (Civelek 2003). New to the fauna of Bulgaria and Greece.

Aulagromyza trivittata (Loew, 1873)

Material examined: Greece: Macedonia, Florina, Pissoderi, wood, meadow, stream, 1200 m a.s.l., 1 ♂, 15.v.1998, P. Gatt leg. (CMCH).

Distribution: Europe (Martinez 2004). New to the fauna of Greece.

Calycomyza artemisiae (Kaltenbach, 1856)

Material examined: Uzbekistan: Tashkent, along brook, 41.15N/69.28E, 1 ♂, 19.v.1989; Zeravshan res., deciduous wood, 39.38N/67.08E, 1 ♂, 24.v.1989, all M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004); North America: Canada, United States; Central and South America: Colombia, Guatemala; Asia: China (Yang 1996), India, Japan, Nepal, Taiwan, Viet Nam (Sasakawa 2005). New to the fauna of Uzbekistan.

Calycomyza humeralis (von Roser, 1840)

Material examined: Uzbekistan: Samarkand, along river Zeravshan, 39.38N/67.04E, 1 ♂, 22.v.1989, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Maltese Islands (Černý 2005b); Africa: Cameroun, Ethiopia, South Africa; North America: Canada; Central and South America: Argentina, Brazil, Chile; Asia: China (Yang 1996), Cyprus (Černý & Vála in press), Hawaiian Islands, Iraq (Spencer 1981), Japan, Turkey (Civelek 2003); Australia (Spencer 1977b). New to the fauna of Uzbekistan.

Cerodontha (Cerodontha) affinis (Fallén, 1823)

Material examined: Bulgaria: Rhodopi Mts, Zabardo env., 40 km S, Plovdiv, pasture near brook, 1200–1500 m a.s.l., 1 ♂, 3.vii.1988, B. Mocek leg. (CMCH).

Distribution: Europe (Martinez 2004). New to the fauna of Bulgaria.

Cerodontha (Cerodontha) denticornis (Panzer, 1806)

Material examined: Albania: Nat. park Karavastas, coast o. Adrait. sea and pine forest, 1 ♂, 1 ♀, 18.vi.1994, B. Mocek leg. (CMCH); Prokletije Mts, Boge, meadow, Fagetum, 1500 m a.s.l., 9 ♂♂, 5 ♀♀, 17.vi.1994, B. Mocek leg. (CMCH, MEB). Corsica: 20 km N Corte Haut Asco, alpine zone, 1500 m a.s.l., 5 ♀♀, 7.v.1993, B. Mocek leg. (CMCH, MEB); Valdo Nello Mts, 10 km W Corte, Calacuccia env., 700 m a.s.l., 1 ♂, 9.v.1993, B. Mocek leg. (CMCH). Egypt: Cairo, garden near river, 30.02N/31.14E, 1 ♂, 19.–20.iii.1996; Cairo, El-Marg, margin of field, 30.16N/31.23E, 1 ♂, 22.iii.1996, 2 ♂♂, 29.iii.1996, M. Barták leg. (CMBP). Portugal: Guarda, Estrela Mts, Manteigas env., valley of river Mondego, 1000 m a.s.l., 3 ♂♂, 4 ♀♀, 12.vi.1997, B. Mocek leg. (CMCH, MEB). Romania: Stoenesti, pasture near river, 44.08N/24.30E, 1 ♀, 14.vii.1987; Voineasa, pasture near river, 45.28N/23.52E, 5 ♂♂, 23.vii.1987, all M. Barták leg. (CMBP). Ukraine: Odessa, park vegetation, 46.28N/30.48E, 5 ♀♀, 19.ix.1986, 3 ♀♀, 20.ix.1986, M. Barták leg. (CMBP, CMCH). Zaporozhskaja Province, Vasiljevka, 1 ♂, 30.v.1990, Zrazhevsky leg. (CMBP).

Distribution: Europe (Martinez 2004), Maltese Islands (Černý 2005b); Africa: Azores (Spencer 1965b), Canary Islands, Madeira (Spencer 1965b), Morocco

(Spencer 1967), Asia: Afghanistan (Spencer 1976b), China (Yang 1996), Cyprus (Černý & Vála in press), India, Iraq (Spencer 1981), Israel (Spencer 1974), Japan, Nepal, South Korea, Taiwan, Turkey (Civelek 2003). New to the fauna of Albania, Corsica, Egypt, Portugal, Romania and Ukraine.

Cerodontha (Cerodontha) flavicornis (Egger, 1862)

Material examined: Albania: Nat. park Drenova, 5 km S, Korçë, mixed forest, 1 ♂, 22.vi.1994, B. Mocek leg. (CMCH).

Distribution: Europe (Martinez 2004). New to the fauna of Albania.

Cerodontha (Cerodontha) phragmitophila Hering, 1935

Material examined: Canary Islands: Tenerife, Playa de Socorro, 1 ♂, 23.ix.1998, B. Merz leg. (MHNG). Egypt: Cairo, El-Marg, orange orchard, 30.16N/31.23E, 1 ♂, 22.iii.1996, M. Barták leg. (CMBP). Uzbekistan: Zeravshan res., deciduous wood, 39.38N/67.08E, 1 ♂, 24.v.1989, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Croatia (Nowakowski, 1973); Asia: Cyprus (Černý & Vála in press), Pakistan. New to the fauna of Canary Islands, Egypt and Uzbekistan.

Cerodontha (Cerodontha) stackelbergi Nowakowski, 1972

Material examined: Sweden: Örebro Län, Laxå cca 50 km SW, of Örebro, 1 ♀, 10.vii.1974, Th. Munk & C. Thaarup leg. (ZMUC).

Distribution: Europe (Martinez 2004). New to the fauna of Sweden.

Cerodontha (Dizygomyza) brisiaca Nowakowski, 1973

Material examined: Morocco: Azrou, Ifrane area, 1400–2000 m a.s.l., 1 ♂, 17.–19.iv.1989, Zool. Mus. Copenh. Exp. leg. (ZMUC).

Distribution: Europe (Martinez 2004). New to the fauna of Morocco.

Cerodontha (Dizygomyza) fasciata (Strobl, 1880)

Material examined: Spain: Bellver, meadow, 42.22N/01.47E, 900 m a.s.l., 1 ♂, 7.vii.1990, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Belgium (Scheirs *et al.* 1995), Italy (Černý in press), Switzerland (Černý 2005e); North America: United States. New to the fauna of Spain.

Cerodontha (Dizygomyza) hirtae Nowakowski, 1967

Material examined: Austria: Attersee, edge of mixed wood, 47.50N/13.31E, 1 ♂, 30.vii.1988, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Belgium (Scheirs *et al.* 1999); North America: United States. New to the fauna of Austria.

Cerodontha (Dizygomyza) iraeos (Robineau-Desvoidy, 1851)

Material examined: Albania: Nat. park Karavastas, coast o. Adriat. sea and pine forest, 1 ♂, 18.vi.1994, B. Mocek leg. (CMCH).

Distribution: Europe (Martinez 2004); Asia: South Korea (Suh 2000). New to the fauna of Albania.

Cerodontha (Dizygomyza) luctuosa (Meigen, 1830)

Material examined: Albania: Nat. park Drenova, 5 km S, Korçe, mixed forest, 1 ♂, 22.vi.1994, B. Mocek leg. (CMCH). Uzbekistan: Chirchik, along river, 42.32N/69.38E, 3 ♂♂, 19.v.1989; Samarkand, along river Zeravshan, 39.38N/67.04E, 150 m a.s.l., 2 ♂♂, 22.v.1989, all M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e); Asia: China (Sasakawa 1986), Japan; North America: Canada, United States. New to the fauna of Albania and Uzbekistan.

Cerodontha (Dizygomyza) suturalis (Hendel, 1931)

Material examined: Albania: Prokletije Mts, Bogë, meadow, Fagetum, 1500 m a.s.l., 9 ♂♂, 5 ♀♀, 17.vi.1994, B. Mocek leg. (CMCH, MEB). France: Port-la-Nouvelle, seashore, 43.01N/03.04E, 1 ♂, 3.vii.1990, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004); Asia: China (Chen & Zlobin 2005), Cyprus (Černý & Vála in press), Japan. New to the fauna of Albania and France.

Cerodontha (Icteromyza) capitata (Zetterstedt, 1848)

Material examined: Morocco: Chechaouèn, 600 m a.s.l., 1 ♂, 22.iv.1989, Zool. Mus. Copenh. Exp. leg. (ZMUC).

Distribution: Europe (Martinez 2004); Asia: Kyrgyzstan; North America: Alaska, Canada, United States. New to the fauna of Morocco.

Cerodontha (Phytagomyza) flavocingulata (Strobl, 1909)

Material examined: Bulgaria: Vitosha National Park, v. Kladnitsa, lawn, 900 m a.s.l., 1 ♂, 5.vii.1983, B. Dimitrova leg. (IZBA).

Distribution: Europe (Martinez 2004), Norway (Andersen & Jonassen 1994); North America: Canada. New to the fauna of Bulgaria.

Cerodontha (Poemyza) atra (Meigen, 1830)

Material examined: Bulgaria: Kotel, meadow near wood, 42.55N/26.24E, 3 ♂♂, 1 ♀, 21.vii.1987, M. Barták leg. (CMCP, CMCH). Uzbekistan: Zeravshan res., deciduous wood, 39.38N/67.08E, 1 ♂, 24.v.1989, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004); Asia: Japan. New to the fauna of Bulgaria and Uzbekistan.

Cerodontha (Poemyza) lateralis (Macquart, 1835)

Material examined: Uzbekistan: Chinaz, along river Syrdarya, 40.53N/68.43E, 1 ♂, 20.v.1989; Tashkent, along brook, 41.15N/69.28E, 1 ♂, 19.v.1989, all M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e); Africa: Tunisia; Asia: China (Sasakawa 1986), Japan, Turkey. New to the fauna of Uzbekistan.

Cerodontha (Poemyza) lyneborghi Spencer, 1972

Material examined: Uzbekistan: Chirchik, along river, 42.32N/69.38E, 1 ♂, 19.v.1989; Tashkent, along brook, 41.15N/69.28E, 3 ♂♂, 19.v.1989, all M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e). New to the fauna of Uzbekistan.

Cerodontha (Poemyza) muscina (Meigen, 1830)

Material examined: Romania: Stoenesti, pasture near river, 44.08N/24.30E, 1 ♀, 14.vii.1987, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Belgium (Scheirs *et al.* 1995, 1999), Sicily (Süss 1999); Asia: Afghanistan; North America: Canada, United States. New to the fauna of Romania.

Cerodontha (Poemyza) pygmaea (Meigen, 1830)

Material examined: Turkey: 20 km W Antakya Cevlik, undeciduous forest, 1 ♂, 3.v.1996, B. Mocek leg. (CMCH).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e); Africa: Canary Islands, Madeira; Asia: Pakistan; North America: Alaska, Canada, United States. New to the fauna of Turkey.

Cerodontha (Xenophytomyza) atronitens (Hendel, 1920)

Material examined: Albania: Nat. park Drenova, 5 km S Korçë, mixed forest, 1 ♂, 22.vi.1994, B. Mocek leg. (CMCH). Portugal: Guarda, Estrela Mts, Manteigas env., valley of river Mondego, 1000 m a.s.l., 1 ♂, 12.vi.1997, B. Mocek leg. (CMCH). Spain: Gerona, Caralps, 1200–1300 m a.s.l., 2 ♂♂, 13.–17.vi.1982, Andersen, Lyneborg & Michelsen leg. (ZMUC).

Distribution: Europe (Martinez 2004), Belgium (Scheirs *et al.* 1995), Norway (Andersen & Jonassen 1994), Switzerland (Černý 2005e). New to the fauna of Albania, Portugal and Spain.

Chromatomyia isicae (Hering, 1962)

Material examined: Russia: Moscow, Orechovo, sweeping vegetation, 55.48N/37.45E, 1 ♂, 23.vi.1987, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Norway (Andersen & Jonassen 1994), Slovakia (Černý *et al.* in press B), Switzerland (Černý 2005e). New to the fauna of Russia.

Chromatomyia milii (Kaltenbach, 1864)

Material examined: Bulgaria: Sliven, 13 km N, damp meadow, 42.50N/26.16E, 800 m a.s.l., 1 ♂, 21.vii.1987, M. Barták leg. (CMBP). Corsica: Valdo Nello Mts, 10 km W, Corte, Calacuccia env., 700 m a.s.l., 4 ♂♂, 9.v.1993, B. Mocek leg. (CMCH, MEB); 10 km NO, Vizzavona Canaglia, pine forest, pasture, 700 m a.s.l., 3 ♂♂, 11.v.1993, B. Mocek leg. (CMCH, MEB). Greece: Pelopón-

nisos, Taiyetos Mts, 950–1800 m a.s.l., 5 ♂♂, 4 ♀♀, 15.–19.v.1990, Zool. Mus. Copenh. Exp. leg. (ZMUC).

Distribution: Europe (Martinez 2004); Africa: Morocco (Spencer 1967); Asia: India, Turkey (Civelek 2003); North America: Canada. New to the fauna of Bulgaria, Corsica and Greece.

Chromatomyia nigra (Meigen, 1830)

Material examined: Albania: Prokletije Mts, Bogë, meadow, Fagetum, 1500 m a.s.l., 4 ♂♂, 5 ♀♀, 17.vi.1994, B. Mocek leg. (CMCH, MEB). Bulgaria: Pleven, Grivitsa, on Medicago, 1 ♂, 18.v.1984, K. Dontchev leg. (IZBA).

Distribution: Europe (Martinez 2004), Norway (Andersen & Jonassen 1994); Africa: Madeira (Spencer 1965b); Asia: China (Yang 1996), India, Japan, Nepal, South Korea, Russia (Kamchatka, Kuril Islands), Taiwan, Thailand; North America: Canada, United States. New to the fauna of Albania and Bulgaria.

Chromatomyia opacella (Hendel, 1935)

Material examined: Germany: Spiegelau - Bayerischer Wald, 3 km N, 48.57N/13.22E, 760 m a.s.l., pan traps, 2 ♂♂, 8.vi.1995, M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2004), Norway (Andersen & Jonassen 1994), Switzerland (Černý 2005e); Greenland. New to the fauna of Germany.

Chromatomyia pseudomilii Griffiths, 1980

Material examined: Austria: Tauernalm, pasture, 2 ♂♂, 15.vii.1998, M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2004), Slovakia (Černý *et al.* in press B), Switzerland (Černý 2005e); North America: Alaska, United States. New to the fauna of Austria.

Chromatomyia succisae (Hering, 1922)

Material examined: Turkey: Antalya Prov., Side (Silimye), 1 ♂, 2.v.2000, B. Merz & Senay leg. (MHNG); Konya env. 1 ♂, 6.v.1991, B. Mocek leg. (CMCH); Pinarsbasi, 20 km N Konya, pasture, 1 ♂, 30.iv.1996, B. Mocek leg. (CMCH); Ortahisar env., 10 km E, Nevsehir, garden, steppe, 1 ♂, 11.v.1996, B. Mocek leg. (MEB). Uzbekistan: Chimgan, alpine meadow, 41.38N/70.06E, 1800 m a.s.l., 1 ♂, 18.v.1989, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004); Asia: Cyprus (Černý & Vála in press). New to the fauna of Turkey and Uzbekistan.

Chromatomyia vernalis (Grischke, 1957)

Material examined: Switzerland: Graubünden (= Grisons), Juf-Stallerberg, 2400 m a.s.l., 1 ♂, 18.viii.1991, B. Merz & A. Freidberg leg. (MHNG).

Distribution: Europe (Martinez 2004), Italy (Černý in press). New to the fauna of Switzerland.

Liriomyza alyssi (Hering, 1960)

Material examined: Turkey: Ortahisar env., 10 km E, Nevsehir, garden, steppe, 1 ♂, 11.v.1996, B. Mocek leg. (CMCH).

Distribution: Germany (Martinez 2004); Asia: Israel (Spencer 1974). New to the fauna of Turkey.

Liriomyza brassicae (Riley, 1884)

Material examined: Portugal: Serra de Arrabida Mts, Setúbal env., 500 m a.s.l., 1 ♂, 8.vi.1997, B. Mocek leg. (CMCH).

Distribution: Europe (Martinez 2004), Maltese Islands (Černý 2005b); Africa: Cape Verde Islands, Canary Islands, Egypt, Ethiopia, Kenya (Spencer 1985), South Africa, Zimbabwe; Asia: China (Yang 1996), Hawaiian Islands, India, Sri Lanka, Taiwan, Thailand, Turkey (Civelek 2003); North America: Canada, United States; Australia (Spencer 1977b). New to the fauna of Portugal.

Liriomyza bryoniae (Kaltenbach, 1858)

Material examined: Switzerland: Genève, Chancy, La Laire, 350 m a.s.l., 1 ♂, 25.vii.2004, B. Merz leg. (MHNG).

Distribution: Europe (Martinez 2004); Africa: Egypt (Steyskal & El-Bialy 1968), Morocco (Spencer 1967); Asia: Japan, China (Yang 1996), Nepal, Turkey (Civelek 2003), South Korea (Suh & Kwon 1998b), Taiwan, Thailand; North America: Canada, United States. New to the fauna of Switzerland.

Liriomyza congesta (Becker, 1903)

Material examined: Greece: Macedonia, Thessaloniki, Halastro, Axios riverbank, 1 ♂, 12.v.1998, P. Gatt leg. (CMCH); Pelopónnisos, Taiyetos Mts, 950–1800 m a.s.l., 1 ♂, 15.–19.v.1990, Zool. Mus. Copenh. Exp. leg. (ZMUC).

Distribution: Europe (Martinez 2004); Africa: Canary Islands, Egypt (Steyskal & El-Bialy 1968), Madeira; Asia: China (Yang 1996), India, Israel (Spencer 1974), Japan, South Korea (Suh & Kwon 1998b), Turkey (Civelek 2003). New to the fauna of Greece.

Liriomyza demeijerei Hering, 1930

Material examined: Hungary: Budapest, 10 km NW, steppe forest, 47.33N/16.59E, 140 m a.s.l., 1 ♂, 20.viii.1986, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004). New to the fauna of Hungary.

Liriomyza dianthicola (Venturi, 1949)

Material examined: Switzerland: Ticino, Biasca, Loderio, 350 m a.s.l., 1 ♂, 28.vi.1991; VS, Leuk, Pfywald, 650 m a.s.l., 1 ♂, 2.v.1993, all B. Merz leg. (MHNG).

Distribution: Europe (Martinez 2004); Asia: Japan. New to the fauna of Switzerland.

Liriomyza graminivora Hering, 1949

Material examined: Romania: Timna, env. of village well, 44.36N/23.13E, 1 ♂, 14.vii.1987, M. Barták leg. (CMBP). Uzbekistan: Tashkent, along brook, 41.15N/69.28E, 1 ♂, 19.v.1989; Zeravshan res., deciduous wood, 39.38N/67.08E, 2 ♂♂, 21.–22.v.1989, 1 ♂, 24.v.1989, all M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2004). New to the fauna of Romania and Uzbekistan.

Liriomyza intonsa Spencer, 1976

Material examined: Bulgaria: Varna, hills above coast, 1 ♂, 12.vii.1970, M. Chvála leg. (ZMUC).

Distribution: Europe (Martinez 2004). New to the fauna of Bulgaria.

Liriomyza latigenis (Hendel, 1920)

Material examined: Uzbekistan: Aman-Kutan, pasture, 39.19N/66.55E, 1300 m a.s.l., 1 ♂, 23.v.1989, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Czech Republic (Černý *et al.* in press B). New to the fauna of Uzbekistan.

Liriomyza pedestris Hendel, 1931

Material examined: Corsica: Corte env., vall. of Tavignano river, pasture, 1 ♂, 10.v.1993, B. Mocek leg. (CMCH). Turkey: Antalya Prov., Olympos 25 km S, Kemer, 1 ♂, 26.iv.2000, B. Merz & Senay leg. (MHNG). Uzbekistan: Zeravshan res., deciduous wood, 39.38N/67.08E, 1 ♂, 21.–22.v.1989, M. Barták leg. (CMBP).

Notes. Von Tschirnhaus (1981) synonymized *L. pedestris* with *L. richteri* Hering, 1927 but recently Zlobin (2003) separated the two species again on the ground of a detailed analysis of the structure of the male genitalia.

Distribution: Europe: Austria, British Islands, the Czech Republic, Denmark, Finland, Germany, Greece, Hungary, Italy, Maltese Islands (Spencer 1973), Norway, Russia, Sicily (Spencer 1966), Spain (Spencer 1972), Sweden, Ukraine; Africa: Morocco (Spencer 1967); Asia: Cyprus (Černý & Vála in press), Iran, Israel, New to the fauna of Corsica, Turkey and Uzbekistan.

Liriomyza phryne Hendel, 1931

Material examined: Greece: Pelopónnisos, Monemvasia, 5 km S, 1 ♂, 5.xi.1983, 1 ♂, 10.xi.1983, G. Christensen leg. (ZMUC).

Distribution: Europe (Martinez 2004), Belgium (Scheirs *et al.* 1995). New to the fauna of Greece.

Liriomyza pisivora Hering, 1954

Material examined: Russia: Moscow, Orechovo, sweeping vegetation, 55.48N/37.45E, 1 ♂, 23.vi.1987, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004). New to the fauna of Russia.

Liriomyza polygalae Hering, 1927

Material examined: Spain: Gerona, Caralps, 1200–1300 m a.s.l., 1 ♂, 13.–17.vi.1982, Andersen, Lyneborg & Michelsen leg. (ZMUC).

Distribution: Europe (Martinez 2004). New to the fauna of Spain.

Liriomyza virgo (Zetterstedt, 1838)

Material examined: Norway/On: Fokstumyrin, 1000 m a.s.l., 1 ♂, 4 ♀♀, 22.vii.1983, O. Karsholt & V. Michelsen leg. (ZMUC).

Distribution: Europe (Martinez 2004), Belgium (Scheirs *et al.* 1999), Italy (Černý in press). New to the fauna of Norway.

Liriomyza yasumatsui Sasakawa, 1972

Material examined: Uzbekistan: Tashkent, along brook, 41.15N/69.28E, 1 ♂, 19.v.1989; Samarkand, along river Zeravshan, 39.38N/67.04E, 1 ♂, 22.v.1989, all M. Barták leg. (CMBP, CMCH).

Distribution: Europe: Czech Republic (Černý *et al.* in press A), Switzerland (Černý & Merz 2005); Asia: China (Yang 1996), Japan (Sasakawa 1994), South Korea (Suh & Kwon 1998b), Taiwan (Sasakawa 1972). New to the fauna of Uzbekistan.

Metopomyza nigriorbita (Hendel, 1931)

Material examined: Uzbekistan: Chirchik, along river, 42.32N/69.38E, 2 ♂♂, 19.v.1989, M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e). New to the fauna of Uzbekistan.

Metopomyza scutellata (Fallén, 1823)

Material examined: Albania: Nat. park Drenova, 5 km S Korçë, mixed forest, 1 ♂, 22.vi.1994, B. Mocek leg. (CMCH). Spain: Begues, vegetation, 41.21N/01.56E, 1 ♂, 6.vii.1990, M. Barták leg. (CMBP); Gerona, Caralps, 1200–1300 m a.s.l., 1 ♂, 13.–17.vi.1982, Andersen, Lyneborg & Michelsen leg. (ZMUC). Uzbekistan: Zeravshan res., deciduous wood, 39.38N/67.08E, 1 ♂, 21.–22.v.1989, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Italy (Černý in press), Maltese Islands (Černý 2005b), Switzerland (Černý 2005e); Asia: Kazakhstan, Kyrgyzstan, Russia. New to the fauna of Albania, Spain and Uzbekistan.

Napomyza bellidis Griffiths, 1967

Material examined: Greece: Pelopónnisos, Taiyetos Mts, 950–1800 m a.s.l., 1 ♂, 15.–19.v.1990, Zool. Mus. Copenh. Exp. leg. (ZMUC).

Distribution: Europe (Martinez 2004), Belgium (Scheirs *et al.* 1999), Czech Republic (Černý *et al.* in press B), Italy (Süss 1999), Maltese Islands (Černý 2005b), Switzerland (Černý 2005e); Asia: Kyrgyzstan, Tajikistan and Uzbekistan (Zlobin 1994). New to the fauna of Greece.

Napomyza cichorii Spencer, 1966

Material examined: Austria: Hainfeld env., meadow and mixed wood, 48.03N/15.45E, 1 ♂, 11.viii.1988, M. Barták leg. (CMBP). Corsica: Bonifacio-Perthusato, 20–80 m a.s.l., 3 ♂♂, 15.v.1969, B. & O. Tkalců leg. (MMB); 20 km S Sartene Roccapina (reserve), 1 ♂, 13.v.1993, B. Mocek leg. (CMCH). Morocco: Ifrane env., Forêt de Cèdres, 33.31N/05.06W, 1500 m a.s.l., yellow pan traps, 1 ♂, 29.iv.1999, Vrabec & Vrabcová leg. (CMBP).

Distribution: Europe (Martinez 2004); Africa: Tunisia; Asia: Armenia (Zlobin 1994). New to the fauna of Austria, Corsica and Morocco.

Napomyza lacustris Zlobin, 1994

Material examined: Uzbekistan: Zeravshan res., deciduous wood, 39.38N/67.08E, 1 ♂, 21.–22.v.1989, M. Barták leg. (CMCP).

Distribution: Asia: Kazakhstan and Tajikistan (Zlobin 1994). New to the fauna of Uzbekistan.

Napomyza lateralis (Fallén, 1823)

Material examined: Morocco: Ifrane env., Forêt de Cèdres, 33.31N/05.06W, 1500 m a.s.l., yellow pan traps, 2 ♂♂, 29.iv.1999, Vrabec & Vrabcová leg. (CMBP). Portugal: Guarda, Estrela Mts, Manteigas env., valley of river Mondego, 1000 m a.s.l., 1 ♂, 12.vi.1997, B. Mocek leg. (CMCH).

Distribution: Europe (Martinez 2004), Maltese Islands (Černý 2005b), Norway (Andersen & Jonassen 1994); Africa: Azores, Canary Islands, Madeira, Morocco; Asia: Afghanistan (Spencer 1976b), China (Sasakawa 1986), Israel (Spencer 1974), Japan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkey (Civelek 2003), Turkmenia, Uzbekistan. New to the fauna of Morocco and Portugal.

Napomyza minima Zlobin, 1994

Material examined: Greece: Pelopónnisos, Taiyetos Mts, 950–1800 m a.s.l., 1 ♂, 15.–19.v.1990, Zool. Mus. Copenh. Exp. leg. (ZMUC).

Distribution: Europe: Russia (Zlobin 1994). New to the fauna of Greece.

Napomyza scrophulariae Spencer, 1966

Material examined: Greece: Pelopónnisos, Monemvasia, 5 km S, 1 ♂, 25.vi.1984, G. Christensen leg. (ZMUC); Taiyetos Mts, 950–1800 m a.s.l., 1 ♂, 15.–19.v.1990, Zool. Mus. Copenh. Exp. leg. (ZMUC). Morocco: Ifrane env., Forêt de Cèdres, 33.31N/05.06W, 1500 m a.s.l., yellow pan traps, 1 ♂, 29.iv.1999, Vrabec & Vrabcová leg. (CMBP).

Distribution: Europe (Martinez 2004), Norway (Andersen & Jonassen 1994); Asia: Israel (Spencer 1974: as *N. hermonensis* Spencer 1974), Tajikistan (Zlobin 1994). New to the fauna of Greece and Morocco.

Phytobia carbonaria (Zetterstedt, 1848)

Material examined: Sweden: Småland, Hallaryd area, 1 ♂, 26.vi.–8.viii.1983, S. Andersen & V. Michelsen leg. (ZMUC).

Distribution: Europe (Martinez 2004). New to the fauna of Sweden.

Phytoliriomyza arctica (Lundbeck, 1901)

Material examined: Albania: Prokletije Mts, Bogë, meadow, Fagetum, 1500 m a.s.l., 2 ♂♂, 17.vi.1994, B. Mocek leg. (CMCH, MEB). Bulgaria: Varna, hills above coast, 1 ♂, 12.vii.1970, M. Chvála leg. (ZMUC). Croatia: Paklenica, 10 km E on shore, 1 ♂, 1.ix.1986, F. Kaplan leg. (TAU). Romania: Brezoi, 45.22N/24.10E, 5 km W, meadow near river, 2 ♂♂, 23.vii.1987, M. Barták leg. (CMBP). Uzbekistan: Chimgan, 41.38N/70.02E, 1200 m a.s.l., 1 ♂, 18.v.1989, damp valley, alpine meadow, 1800 m a.s.l., 2 ♂♂, 18.v.1989; Tashkent, along brook, 41.15N/69.28E, 1 ♂, 19.v.1989, all M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2004), Belgium (Scheirs *et al.* 1995), Norway (Andersen & Jonassen 1994); Africa: Azores (Spencer 1965b), Canary Islands, Madeira; Asia: China (Yang 1996), Japan, Nepal, Sri Lanka (Spencer 1975), Taiwan, Thailand, Turkey (Civelek 2003); North America: Canada, United States; South America: Bolivia, Brazil, Chile; Greenland. New to the fauna of Albania, Bulgaria, Croatia, Romania and Uzbekistan.

Phytoliriomyza bornholmensis Spencer, 1976

Material examined: Sweden: TLpm, Abisko Reg., N Coast Torneträsk, Jieprensjakk, 345 m a.s.l., 1 ♂, 9.viii.2001, B. Merz leg. (MHNG).

Distribution: Europe (Martinez 2004). New to the fauna of Sweden.

Phytoliriomyza immoderata Spencer, 1963

Material examined: Morocco: Azrou Ifrane area, 1400–2000 m a.s.l., 3 ♂♂, 4 ♀♀, 17.–19.iv.1989; Tizi-n-Talrhemt pass, 1900 m a.s.l., 3 ♀♀, 15.iv.1989, all Zool. Mus. Copenh. Exp. leg. (ZMUC). Yugoslavia: Serbia, Kosovo, Metohija, Prevalac, 1550 m a.s.l., 1 ♂, 13.vi.1967, P. Lauterer leg. (MMB). Spain: Sierra Blanca, Benaolan, damp meadow, 1200 m a.s.l., 1 ♂, 29.vi.1989, Špatenka leg. (CMBP).

Distribution: Europe: Sardinia (Černý in press); Africa: South Africa (Spencer 1963). New to the fauna of Morocco, Spain and Yugoslavia.

Phytoliriomyza oasis (Becker, 1907)

Material examined: Kyrgyzstan: Bigas, 20 km N, Lugovoj, 670 m a.s.l., 1 ♂, 1.v.1994; Kara-Arthsa Tal, 35 km ESE, Dzhambul, 1220 m a.s.l., 1 ♂, 3.v.1994, all B. Merz leg. (MHNG). Turkey: Nur Daglari Mts, 30 km E, Osmaniye Hasanbeyli, 1200 m a.s.l., 1 ♂, 3 ♀♀, 5.v.1996, B. Mocek leg. (CMCH, MEB). Uzbekistan: Aman-Kutan, alpine meadow, 39.19N/66.55E, 1300–1600 m a.s.l., 3 ♂♂, 23.v.1989, M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2004); Africa: Algeria (Becker 1907, Spencer 1965a), Canary Islands, Morocco (Spencer 1967); Asia: Iraq (Spencer 1981). New to the fauna of Kyrgyzstan, Turkey and Uzbekistan.

Phytomyza albipennis Fallén, 1823

Material examined: Bulgaria: Geleznitza, pasture, 1 ♂, 9.vi.1981, V. Beschovski leg. (IZBA).

Distribution: Europe (Martinez 2004), Norway (Andersen & Jonassen 1994), Switzerland (Černý 2005e); Africa: Canary Island. New to the fauna of Bulgaria.

Phytomyza cecidonomia Hering, 1937

Material examined: Slovakia: Štavnické pohorie, Kozárovce, Skala (Ragočina), 180–250 m a.s.l., 1 ♂, 4.vi.1971, P. Lauterer leg. (MMB).

Distribution: Europe (Martinez 2004). New to the fauna of Slovakia.

Phytomyza clematidis Kaltenbach, 1859

Material examined: Corsica: Bonifacio-Pertusato, 20–80 m a.s.l., 2 ♂♂, 15.v.1969, B. & O. Tkalčů leg. (MMB). Greece: Pelopónnisos, Monemvasia, 5 km S, 1 ♂, 27.xi.1983, G. Christensen leg. (ZMUC).

Distribution: Europe (Martinez 2004); Africa: Canary Islands; Asia: Cyprus (Černý & Vála in press), Turkey (Civelek 2003). New to the fauna of Corsica and Greece.

Phytomyza continua Hendel, 1920

Material examined: Bulgaria: Georgi Trajkov, edge of oak wood, 43.00N/27.48E, 1 ♂, 15.vii.1987, M. Barták leg. (CMBP). Turkey: 2 km S, Nevşehir, Göre, 1 ♂, 29.iv.1991, B. Mocek leg. (CMCH).

Distribution: Europe (Martinez 2004), Norway (Andersen & Jonassen 1994); Asia: China (Sasakawa 1986), Japan, Russia (Kamchatka). New to the fauna of Bulgaria and Turkey.

Phytomyza crassiseta Zetterstedt, 1860

Material examined: Croatia: Peljašac peninsula, Orebič, sea coast, 1 ♂, 10.–20.vi.1983, Podhradský leg. (CMBP).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e); Africa: Canary Islands; Asia: Russia (Kuril Islands); North America: United States. New to the fauna of Croatia.

Phytomyza fallaciosa Brischke, 1880

Material examined: Albania: Nat. park Drenova, 5 km S, Korçë, mixed forest, 1 ♂, 22.vi.1994, B. Mocek leg. (CMCH).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e). New to the fauna of Albania.

Phytomyza flavicornis Fallén, 1823

Material examined: Turkey: Göre, 2 km S, Nevşehir, 2 ♀♀, 29.iv.1991, B. Mocek leg. (CMCH, MEB).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e); North America: Canada, United States. New to the fauna of Turkey.

Phytomyza hellebori Kaltenbach, 1872

Material examined: Spain: Begues, vegetation, 41.21N/01.56E, 1 ♂, 6.vii.1990, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004); Asia: Japan. New to the fauna of Spain.

Phytomyza hendeli Hering, 1923

Material examined: Croatia: Peljašac peninsula, Orebič, sea coast, 1 ♂, 10.–20.vi.1983, Podhradský leg. (CMBP).

Distribution: Europe (Martinez 2004), Slovakia (Černý *et al.* in press B); Asia: India. New to the fauna of Croatia.

Phytomyza isais Hering, 1936

Material examined: Hungary: Lake Velence, West, 1 ♂, 23.viii.1986, F. Kaplan leg. (TAU).

Distribution: Europe (Martinez 2004), Czech Republic (Černý *et al.* 2001), Slovakia (Černý *et al.* in press B). New to the fauna of Hungary.

Phytomyza montana Groschke, 1957

Material examined: Uzbekistan: Tashkent, damp meadow, 41.24N/69.28E, 1 ♂, 16.v.1989, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004). New to the fauna of Uzbekistan.

Phytomyza notata Meigen, 1830

Material examined: Yugoslavia: Serbia, Kosovo, Metohija, Prevalac, 1550 m a.s.l., 2 ♂♂, 13.vi.1967, P. Lauterer leg. (MMB).

Distribution: Europe (Martinez 2004), Czech Republic (Černý 1999), Slovakia (Černý & Vála 2005). New to the fauna of Yugoslavia.

Phytomyza obscura Hendel, 1920

Material examined: Portugal: Guarda, Estrela Mts, Manteigas env., valley of river Mondego, 1000 m a.s.l., 1 ♂, 12.vi.1997, B. Mocek leg (CMCH).

Distribution: Europe (Martinez 2004); Africa: Azores, Canary Islands, Madeira. New to the fauna of Portugal.

Phytomyza origani Hering, 1931

Material examined: Egypt: Cairo, El-Marg, orange orchard, 30.16N/31.23E, 13 ♂♂, 22.iii.1996, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Czech Republic (Černý *et al.* 2001), Italy (Černý in press), Switzerland (Černý 2005e). New to the fauna of Egypt.

Phytomyza petoei Hering, 1924

Material examined: Uzbekistan: Samarkand, along river Zeravshan, 39.38N/67.04E, 150 m a.s.l., 3 ♂♂, 22.v.1989; Zeravshan res., deciduous wood, 39.38N/67.08E, 2 ♂♂, 24.v.1989, 1 ♂, 21.–22.v.1989, all M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2004), Czech Republic (Černý *et al.* 2001), Slovakia (Černý *et al.* in press B); Asia: Cyprus (Černý & Vála in press), India, Turkey (Civelek 2003). New to the fauna of Uzbekistan.

Phytomyza phillyreae Hering in Buhr, 1930

Material examined: Turkey: Antalya Prov., Olympos, 25 km S, Kemer, 0 m a.s.l., 1 ♂, 26.iv.2000, B. Merz & Senay leg. (MHNG).

Distribution: Europe (Martinez 2004); Africa: Morocco (Spencer 1967). New to the fauna of Turkey.

Phytomyza plantaginis Robineau-Desvoidy, 1851

Material examined: Bulgaria: Ahtopol, seashore, 42.09N/27.52E, 1 ♂, 18.vii.1987, pasture, 2 ♂♂, 19.vii.1987, M. Barták leg. (CMCP); Georgi Trajkov, edge of oak wood, 43.00N/27.48E, 1 ♂, 15.vii.1987; Rabiša, Belogradčik, meadow, 1 ♂, 10.vi.1985, V. Beschovski leg. (IZBA); Kotel, meadow near wood, 42.55N/26.24E, 1 ♂, 21.vii.1987, M. Barták leg. (CMBP); Sliven, 15 km N, pasture, 42.50N/26.15E, 800 m a.s.l., 1 ♂, 21.vii.1987, M. Barták leg. (CMBP). Croatia: Peljašac peninsula, Orebič, sea coast, 1 ♂, 10.–20.vi.1983, Podhradský leg. (CMBP). Egypt: Cairo, garden near river, 30.02N/31.14E, 2 ♂♂, 19.–20.iii.1996, M. Barták leg. (CMBP). Greece: Sterea Elada, Fthiotida, Thermopiles, hot spring & marsh, 1 ♂, 14.v.1998; Itea, coastal garrigue, 1 ♂, 17.v.1998, all P. Gatt leg. (CMCH, CPGM). Portugal: Guarda, Estrela Mts, Manteigas env., valley of river Mondego, 1000 m a.s.l., 1 ♂, 12.vi.1997, B. Mocek leg. (CMCH). Tunisia: Tabarka, Nefza-Zouaraa, dunes, 1 ♂, 22.iv.2000, P. Gatt leg. (CMCH); Jendouba, Femana pine forest, 1 ♂, 14.v.1995, P. Gatt leg. (CPGM). Uzbekistan: Chimgan, alpine meadow, 41.38N/70.06E, 1800 m a.s.l., 4 ♂♂, 18.v.1989; Chinaz, along river Syrdarya, 40.53N/68.43E, 2 ♂♂, 20.v.1989; Samarkand, along river Zeravshan, 39.38N/67.04E, 1 ♂, 22.v.1989; Tashkent, damp meadow, 41.24N/69.28E, 3 ♂♂, 16.v.1989; Zeravshan res., deciduous wood, 39.38N/67.08E, 1 ♂, 21.–22.v.1989, all M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2004), Sardinia (Černý in press); Africa: Azores (Spencer 1965b), Canary Islands, South Africa; Asia: Cyprus (Černý & Vála in press), Hawaiian Islands, Israel (Spencer 1974), Japan, Kyrgyzstan, New Zealand (Spencer 1976a), Taiwan, Thailand, Turkey (Civelek 2003), Uzbekistan; Australia (Spencer 1977b); North America: Canada, United States. New to the fauna of Bulgaria, Croatia, Egypt, Greece, Portugal, Tunisia and Uzbekistan.

Phytomyza pubicornis Hendel, 1920

Material examined: Russia: Moscow, Izmailovo, 55.48N/37.45E, park vegetation, 1 ♂, 17.ix.1986; Orechovo, 55.48N/37.45E, sweeping vegetation, 2 ♂♂, 23.vi.1987, all M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e). New to the fauna of Russia.

Phytomyza pullula Zetterstedt, 1848

Material examined: Bulgaria: Tzerni Osam, hygrophiti, 1 ♂, 29.vii.1973, V. Beschovski leg. (IZBA).

Distribution: Europe (Martinez 2004), Switzerland (Černý 2005e); North America: Canada, United States. New to the fauna of Bulgaria.

Phytomyza ranunculi (Schrank, 1803)

Material examined: Uzbekistan: Chinaz, along river Syrdarya, 40.53N/68.43E, 1 ♂, 20.v.1989; Tashkent, damp meadow, 41.24N/69.28E, 1 ♂, 16.v.1989, all M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2004), Sicily (Černý in press); Africa: Canary Islands, Madeira, Morocco (Spencer 1967); Asia: China (Yang 1996), Russia (Kamchatka, Kuril Islands) (Iwasaki 2000), Kyrgyzstan, India, Iraq (Spencer 1981), Japan, Turkey; North America: Canada, United States; Greenland (Griffiths 1966). New to the fauna of Uzbekistan.

Phytomyza rhabdophora Griffiths, 1964

Material examined: Albania: Prokletije Mts, Bogë, meadow, 1500 m a.s.l., 1 ♂, 17.vi.1994, Fagetum, B. Mocek leg. (CMCH). Russia: Zagorskij reg., Chot'kovo, mixed wood, 56.14N/37.53E, 1 ♂, 31.viii.1988, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Czech Republic (Černý 1999), Italy (Černý in press), Switzerland (Černý 2005e). New to the fauna of Albania and Russia.

Phytomyza vitalbae Kaltenbach, 1872

Material examined: Bulgaria: Sliven, damp meadow, 42.50N/26.16E, 800 m a.s.l., 13 km N, 1 ♂, 21.vii.1987, M. Barták leg. (CMBP). Uzbekistan: Chirchik, along river 42.32N/69.38E, 1 ♂, 19.v.1989; Samarkand, along river Zeravshan, 39.38N/67.04E, 1 ♂, 22.v.1989, all M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004); Africa: South Africa; Asia: Cyprus (Černý & Vála in press), Nepal, Taiwan; Australia (Spencer 1977b). New to the fauna of Bulgaria and Uzbekistan.

Phytomyza wahlgreni Rydén, 1944

Material examined: Morocco: Azrou, Ifrane area, 1400–2000 m a.s.l., 2 ♀♀, 17.–19.iv.1989, Zool. Mus. Copenh. Exp. leg. (ZMUC). Uzbekistan: Aman-Kutan, alpine meadow, 39.17N/66.54E, 1600 m a.s.l., 1 ♂, 23.v.1989, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2004), Slovakia (Černý *et al.* in press B); Asia: China (Sasakawa 1986), Russia (Kuril Islands); North America: United States. New to the fauna of Morocco and Uzbekistan.

Pseudonapomyza atra (Meigen, 1830)

Material examined: Corsica: Calviani, by river Tavignano, 42.06N/09.29E, 1 ♂, 27.iv.1978, A. E. Stubbs leg. (NHML). Greece: Corfu: Parama-Gastouri, 39.33N/19.53E, 1 ♂, 1 ♀, 10.v.1980, I. F. G. McLean leg. (NHML); Sidari, 39.47N/19.42E, 1 ♀, 2.v.1980, I. F.G. McLean leg. (NHML); Agios Spiridon,

39.48N/19.51E, 1 ♂, iv.1984, I. M. White leg. (NHML). Portugal: Porto, 41.09N/08.36W, 1 ♀, 12.viii.1962, J. Abraham & L. Horacsek leg. (NHML).

Distribution: Europe (Martinez 2004), Maltese Islands (Černý 2005b), Norway (Andersen & Jonassen 1994), Sardinia (Černý in press), Switzerland (Černý 2005e); Africa: Azores, Canary Islands, Cape Verde Islands, Egypt (Steyskal & El-Bialy 1968), Madeira; Asia: Cyprus (Černý & Vála in press), India, Mongolia, Turkey, Uzbekistan; North America: Canada, United States. New to the fauna of Corsica, Greece and Portugal.

Pseudonapomyza europaea Spencer, 1973

Material examined: Bulgaria: Kovatcevtzi, pasture, 900 m a.s.l., 1 ♀, 3.vii.1983, B. Dimitrova leg.; Oreshaka, 1 ♀, 29.vii.1973, meadow, V. Beschovski leg.; Pirdop, agrop., 1 ♂, 24.ix.1975, V. Beschovski leg.; Pirin, Banderica, meadow, 1 ♂, 9.viii.1982, V. Beschovski leg.; Vitoscha, Palakarja, lawn, 1200 m a.s.l., 1 ♂, 3.vii.1983, B. Dimitrova leg. (IZBA). Finland: Löporö, 1 ♀, no data, R. Frey leg., labelled as No. 1592 (MZH).

Distribution: Europe (Martinez 2004), Norway (Andersen & Jonassen 1994), Slovakia (Černý 2005c); Asia: Japan (Černý 2005c), Turkey (Černý 2005c); North America: Canada, United States (Boucher 2004). New to the fauna of Bulgaria and Finland.

Pseudonapomyza eurasiatica Zlobin, 2003

Material examined: Uzbekistan: Tashkent, damp meadow, 41.24N/69.28E, 3 ♂♂, 16.v.1989, M. Barták leg. (CMBP, CMCH).

Distribution: Europe: Greece, Switzerland (Černý 2005e), Ukraine; Asia: Kazakhstan, Tajikistan, Turkmenistan. New to the fauna of Uzbekistan.

Pseudonapomyza lacteipennis Malloch, 1913

Material examined: Greece: Corfu: Sidari, 39.47N/19.42E, 1 ♂, 2.v.1980, I. F. G. McLean leg. (NHML).

Distribution: Europe (Martinez 2004), Italy (Černý in press), Maltese Islands (Černý 2005b); North America: Canada, United States. New to the fauna of Greece.

Pseudonapomyza palliditarsis Černý, 1998

Material examined: Bulgaria: Varna, Shabla, grass, 1 ♀, 4.v.1992, 1 ♀, 26.v.1993, V. Beschovski leg. (IZBA).

Distribution: Europe (Martinez 2004), Russia (Černý 1998); Asia: Uzbekistan (Černý 2005c). New to the fauna of Bulgaria.

Pseudonapomyza pollicicornis Zlobin, 2003

Material examined: Uzbekistan: Samarkand, along river Zeravshan, 39.38N/67.04E, 1 ♂, 22.v.1989, M. Barták leg. (CMBP).

Distribution: Asia: Azerbaijan, Mongolia, Tajikistan, Turkmenistan. New to the fauna of Uzbekistan.

Pseudonapomyza siciformis Zlobin, 2003

Material examined: Czech Republic: Bohemia centr., Nymburk region, Hradčany, “Báň” Nature Monument, Malaise trap, 1 ♂, 9.–30.vii.2003, B. Mocek leg. (MEB). France: Vaucluse Caromb, Lac de Paty, 1 ♂, 30.v.1995, B. Merz & Eggenberger leg. (MHNG).

Distribution: Asia: Mongolia (Zlobin 2003). New to the fauna of the Czech Republic and France.

Pseudonapomyza spicata (Malloch, 1914)

Material examined: Canary Islands: Grand Canaria, Tafira, 1 ♂, no data, R. Frey leg., labelled as *Ps. atra* Mg. (MZH); Tenerife, Gulmar, 1 ♂, no data, R. Storá leg., labelled as No. 1758 and as *Ps. atra* Mg. (MZH).

Distribution: Europe (Martinez 2004); Asia: China (Yang 1996), Hawaiian Islands, India, Israel (Spencer 1974), Micronesia, Polynesia, Taiwan, Thailand (Spencer 1962), Turkey (Civelek 2003). New to the fauna of Canary Islands.

Pseudonapomyza spinosa Spencer, 1973

Material examined: Greece: Pelopónnisos, Monemvasia, 5 km S, 1 ♂, 27.viii.1983, 1 ♂, 28.viii.1983, G. Christensen leg. (ZMUC).

Distribution: Europe (Martinez 2004); Africa: Canary Islands, Egypt, Kenya (Spencer 1985), Lesotho, Nigeria, South Africa; Asia: Cyprus, Fiji, India, Israel (Spencer 1974), Turkey (Civelek 2003); Australia (Spencer 1977b). New to the fauna of Greece.

Pseudonapomyza vota Spencer, 1973

Material examined: Greece: Pelopónnisos, Monemvasia, 5 km S, 4 ♂♂, 27.viii.1983, 1 ♂, 4.x.1984, G. Christensen leg. (ZMUC). Hungary: Tihany, lawn, 1 ♂, 1.vii.1983, V. Beschovski leg. (IZBA). Portugal: Lisbon, 38.43N/09.11W, Parque Florestal de Monsanto, 1 ♂, 1 ♀, 23.vii.1962, 1 ♂, 1 ♀, 25.vii.1962, J. Abraham & L. Horacek leg. (NHML). Yugoslavia: Serbia, E. Beograd, Deliblato Nat. Park, 2 ♂♂, 22.viii.1983, Zool. Mus. Copenh. Exped. leg. (ZMUC).

Distribution: Europe (Martinez 2004), Italy (Černý in press), Maltese Islands (Černý 2005b), Switzerland (Černý 2005e). New to the fauna of Greece, Hungary, Portugal and Yugoslavia.

ACKNOWLEDGEMENTS

Our sincerest thanks are due to B. Mocek (Hradec Králové) and P. Gatt (Rabat) for donation of excellent material of Agromyzidae originating from some collecting expeditions to several countries of the Mediterranean area. Also, we are very obliged to all the other dipterists who kindly provided mining flies for this study: Miroslav Barták (Praha), Venelin Beschovski (Sofia), Roy Danielsson (Lund), Amnon Freidberg (Tel Aviv), Milan Kozánek (Bratislava), Igor Malenovský (Brno), Rudolf Meier (Copenhagen), Pekka Vilkamaa (Helsinki) and Nigel Wyatt (London). Vladimir V. Zlobin (St. Petersburg) kindly elucidated the distribution of some Agromyzidae in Russia and Uzbekistan.

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(received April 4, 2006, accepted Mai 16, 2006)