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Contribution to the faunistics of the true bugs (Heteroptera) of Tunisia

Příspěvek k faunistice ploštic (Heteroptera) Tuniska

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Abstract. Records of 57 heteropteran species belonging to 17 families are listed from Tunisia. The following seven species are recorded from Tunisia for the first time: *Reduvius testaceus* (Herrich-Schaeffer, 1845), *Geocoris confalonieri* (de Bergevin, 1932), *Dieuches mucronatus* (Stål, 1873), *Ischnopeza hirticornis* (Herrich-Schaeffer, 1850), *Stygnocoris fuligineus* (Geoffroy in Fourcroy, 1785), *Peribyssus scutellaris* Puton, 1888, and *Alphocoris pachycephalus* de Bergevin, 1931. The occurrence of *Oncocephalus pilicornis* Reuter, 1882, and *Blissus hirtulus* Burmeister, 1835 in Tunisia is confirmed.

INTRODUCTION

The fauna of the true bugs (Heteroptera) of Tunisia was recently examined by Carapezza (1997) in his monograph "Heteroptera of Tunisia", listing 754 species in this excellent work. In addition, the list of host plants known for the Tunisian Heteroptera was compiled by Massa (1997). Five species have been added to the Tunisian fauna since then – *Cantacader quadricornis* (Le Peletier et Serville, 1828) (Tingidae) (Lis 2001, 2003), *Dasycapsus cunealis* (Reuter, 1899), *Dasycapsus venustus* (Wagner, 1968) (Miridae) (Matocq 2004a), *Megalocoleus bolivari* (Reuter, 1879), and *Megalocoleus krueperi* (Reuter, 1879) (Miridae) (Matocq 2004b). Additional records are included in papers by Lupoli (1997): *Ventocoris falcatus* (Cyrillus, 1787) (Pentatomidae), Damgaard & Sperling (2001) and Damgaard & Cognato (2003): *Gerris maculatus* (Tamanini, 1946) (Gerridae), Matocq & Pluot-Sigwalt (2002): *Solenosthedium bilunatum* (Lefebvre, 1827) (Scutelleridae), and Linnavuori (2004): *Nemausus sordidatus* (Stål, 1858) (syn. *Nemausus simplex* Horváth, 1910) (Alydidae). In this paper we present the results of our study of a material collected in Tunisia mostly by the second author and his wife Hana in 1993-2000.

LIST OF LOCALITIES AND EXPLANATIONS

The names of listed localities are unified according to the World Cart (2000) map. Additional spelling variants are added in parentheses. In the list of species, we use the original spelling from the labels. Geographical coordinates of localities are added according to Encarta (1998) wherever possible.

1) Area of eastern Grand Erg with salt lakes (chotts), sand dunes and oases: Blidti (= Al Blidet, Blidet, Blidette) [33°35' N 08°51' E], Bargu (sand dune W of Blidti village), Douz (= Duz) [33°29' N 09°02' E], Es Sabria (= Ṣabriyah) [33°22' N 08°45' E], Hazoua (30 km W of Nefta), Nefta (= Naftah) [33°53' N 07°53' E], Rejem Maafoug (= Rejim Mathoug) [ca 33°19' N 08°02' E], Tozeur (= Tawzar) [33°56' N 08°07' E]. Major part of the material listed from this area has been taken on UV (black) light (4W Philips tube).

2) Ranges of desert mountains with wadis and oases in southern Tunisia: Beni Kheddache (= Bani Khaddash) [33°15' N 10°12' E], Gafsa [34°26' N 08°47' E], El Guetar [34°20' N 08°57' E], Ksar Hadada (= Haddadah) [33°06' N 10°19' E], Matmata (= Maṭmaṭah) [33°33' N 09°58' E], Redeyef (= Ar Rudayyif) [34°23' N 08°09' E], Sidi Haoual El Oued [approx. 34°23' N 09°23' E], Tamerza (= Tamaghzah) [34°24' N 07°57' E].

3) Sea shore habitat, sand dunes: Guedabna (= Ghedhabna) [approx. 35°17' N 11°05' E], Jerba – Mellita (= Malitah) [33°52' N 10°48' E], Jerba – Rass Rmel [33°54' N 10°56' E], Kettana (= Kattanah) [33°46' N 10°12' E], Sousse (= Sūsah) [35°50' N 10°38' E].

4) Mountains in Northern Tunisia: Kairouan (= Al Qayrawān) [35°41' N 10°06' E], Le Kef (= Al Kaf) [36°11' N 08°43' E], Zaghouan (= Zaghwan) [36°24' N 10°09' E].

All studied specimens except those from Guedabna, Kairouan, Le Kef, Sousse and Zaghouan originate from the localities situated south of the 200 mm isohyet, usually considered as the northern delimitation of the Sahara desert (see Carapezza 1997).

Abbreviations: dtto – on the same locality; ACPI – coll. Attilio Carapezza (Palermo, Italy); JBPC – coll. Jan Batelka (Praha); JVPC – coll. Jitka Vilímová (Department of Zoology, Charles University, Praha); MMBC – coll. Moravian Museum (Brno); PKPC – coll. Petr Kment (deposited in National Museum, Praha); PSJC – coll. Petr Šrámek (Jilemnice).

The system and nomenclature follow mainly Aukema & Rieger (1995, 1996, 1999, 2001). The system of Coreoidea and Pentatomoidea follow Günther & Schuster (2000); the system of Lygaeoidea was accepted according to Henry (1997). Only new national records are briefly commented; the review of published records for the rest of the species was given by Carapezza (1997).

RESULTS

Corixidae

Heliocorisa vermiculata (Puton, 1874). Al Blidet, 25.iv.2000, 2 ♂♂ 2 ♀♀, J. Batelka lgt., P. Kment det. (JBPC, PKPC).

Saldidae

Saldula palustris (Douglas, 1874). Nefta, 21.-23.v.1998, 1 ♂, J. & H. Batelkovi lgt., P. Kment det. (PKPC).

Miridae

Glaucopterum adspersum (Schmidt, 1939). Bargu, 13.iv.1999, 2 ♂♂, J. Batelka lgt., A. Carapezza det. (PKPC).

Lepidargyrus lividus (Reuter, 1894). El Guetar, 19.-20.v.1993, 1 ♀, J. Batelka lgt., A. Carapezza det. (PKPC).

Paralaemocoris (Paralaemocoris) strigifrons (Reuter, 1895). Bargu, at UV light, 13.iv.1999, 2 ♂♂, J. Batelka lgt., P. Kment det. (JBPC); dtto, 25.iv.2000, 2 ♂♂, J. Batelka lgt., A. Carapezza det. (ACPI, PKPC).

Platycranus (Platycranus) putoni Reuter, 1879. Ksar Hadada, 13.-14.iv.1996, 1 ♂, J. Batelka lgt., A. Carapezza det. (PKPC).

Reuterista tegularis (Puton, 1888). Bargu, 13.iv.1999, 1 ♀, J. Batelka lgt., A. Carapezza det. (PKPC).

Nabidae

Nabis (Tropiconabis) capsiformis Germar, 1838. Bargu, 8.-11.xii.1999, 1 ♂, J. Batelka lgt., P. Kment det. (JBPC).

Reduviidae

Holotrichius cf. ***pierrei*** Dispons, 1961. Douz, 11.-12.ix.1996, 1 ♀ (micropterous), J. Batelka & H. Podroužková lgt., P. Moulet det. (JBPC).

Species so far known only from Algeria (Putshkov & Putshkov 1996). Male specimens are necessary for the confirmation of the occurrence of this species in Tunisia.

Oncocephalus acutangulus Reuter, 1882. Le Kef – Dyr Mts., 29.-30.v.1995, 1 ♀, J. Batelka lgt., P. Moulet det. (PKPC).

Oncocephalus fokkeri Horváth, 1896. Al Blidet, 21.iv.2000, 1 ♀, J. Batelka lgt., P. Moulet det. (PKPC).

Carapezza (1997) reported this species from only one Tunisian locality (Nefta).

Oncocephalus obsoletus Klug, 1830 / ***O. impictipes*** Jakovlev, 1885. Nefta, 21.-23.v.1998, 2 ♂♂, J. & H. Batelkovi lgt., P. Moulet det. (JBPC, PKPC).

Carapezza (1997) recorded *O. fasciatus* Reuter, 1900 and *O. obsoletus* (as probable misidentification of *O. fasciatus*) from Tunisia only on the basis of published records. Moulet (2003) synonymized *O. fasciatus* with *O. obsoletus*. The status of *O. obsoletus* and *O. impictipes* Jakovlev, 1885 remains unclear, as the latter may represent an eastern subspecies of the former (Linnavuori 1986, Putshkov & Putshkov 1996) or be possibly synonymous (Moulet 2003).

Oncocephalus pilicornis Reuter, 1882. Blidette, 27.viii.-5.ix.1997, 1 ♂, J. Batelka lgt., P. Moulet det. (PKPC); dtto, 23.-24.v.1998, 1 ♂, J. & H. Batelkovi lgt., P. Moulet det. (JBPC).

Putshkov & Putshkov (1996) recorded *O. pilicornis* from many countries of southern Europe (Portugal, Spain, France, Malta, Italy, Slovenia, Croatia, Bosnia Hercegovina, Macedonia, Albania, Greece, Bulgaria, European part of Turkey) and North Africa (Madeira, Canary Islands, Morocco, Algeria, Tunisia, Egypt). The records from Hungary and Romania as well as from Near East (Asian part of Turkey, Israel, Iraq, Iran, Yemen), Mauritania, and Subsaharan Africa were regarded as questionable (Putshkov & Putshkov 1996). Gadalla (1999) recorded *O. pilicornis* also from the Sinai peninsula. Nevertheless, Moulet (2004) confirmed its occurrence in Iran, Yemen, and Socotra. After the description of *O. vescerae* by Dispons (1965), the identity of *O. pilicornis* previously recorded from the North Africa was questioned (see Linnavuori (1974)). Carapezza (1997) supposed that all Tunisian records of *O. pilicornis* belong to *O. vescerae* Dispons, 1965. Our material confirms the sympatric occurrence of both species in Tunisia.

Oncocephalus vescerae Dispons, 1965. Blidette, 9.-14.ix.1997, 1 ♂, J. Batelka lgt., P. Moulet det. (PKPC).

Reduvius minutus (Reuter, 1881). Blidette, 27.viii.-5.ix.1997, 2 ♂♂, J. Batelka lgt., P. Kment det. (JBPC, PKPC). Nefta, 21.-23.v.1998, 3 ♂♂, J. & H. Batelkovi lgt., P. Kment det., P. Moulet revid. (JBPC, PKPC).

Reduvius tabidus Klug, 1830. Matmata, 22.-23.v.1995, 1 ♂, J. Batelka lgt., P. Kment det. (PKPC). Nefta, 21.-23.v.1998, 2 ♂♂, J. & H. Batelkovi lgt., P. Moulet det. (JBPC, PKPC).

Reduvius testaceus (Herrich-Schaeffer, 1845). Nefta, 21.-23.v.1998, 1 ♂ 1 ♀, J. & H. Batelkovi lgt., P. Moulet det. (JBPC, PKPC).

Putshkov & Putshkov (1996) listed this species from Ukraine, Russia (South European Territory), Georgia, Armenia, Azerbaijan, Turkey (Asian part), Syria, Iran, Turkmenistan, Uzbekistan, Tadzhikistan, Kirgizia, Kazakhstan (both European and Asian part), Mongolia, and China (Northern and Northwestern Territory), and uncertain records from Croatia, Macedonia, Greece, Algeria, Egypt, and Israel. New species for Tunisia.

Lygaeidae

Apterola kuenckeli kuenckeli Mulsant et Rey, 1866. Le Kef – Dyr Mts., 16.-17.v.1993, 2 ♂♂ 2 ♀♀ (apterous), J. Batelka lgt., P. Kment det. (PKPC, JVPC).

Horvathiolus guttatus (Rambur, 1839). Nefta, 28.-29.v.1993, 1 ♀, J. Batelka lgt., P. Kment det. (PKPC). Zaghouan Mts., 14.v.1993, 1 ♀, J. Batelka lgt., P. Kment det. (JVPC).

Nysius graminicola graminicola (Kolenati, 1845). Bargu, 13.iv.1999, 1 ♀, J. Batelka lgt., P. Kment det. (JBPC).

Spilostethus longulus (Dallas, 1852). Nefta, 21.-23.v.1998, 4 ♂♂ 2 ♀♀, J. & H. Batelkovi lgt., P. Kment det. (JBPC, PKPC).

Spilostethus pandurus (Scopoli, 1763). Guedabna, 21.-22.v.1995, 1 ♀, J. Batelka lgt., P. Kment det. (JBPC). Nefta, 28.-29.v.1993, 1 ♀, J. Batelka lgt., P. Kment det. (JVPC). Sidi Haoual el Oued, 2.-3.iv.1999, 1 ♀, J. & H. Batelkovi, P. Kment det. (JBPC). Sousse, 25.viii.2001, 1 ♀, M. Butula lgt., P. Kment det. (PSJC).

Blissidae

Blissus hirtulus Burmeister, 1835. Sousse, 25.viii.2001, 1 ♂, M. Butula lgt., P. Kment det. (PKPC).

Biology of the species is unknown. It probably lives on banks of waters (Péricart 1999a). It is widely distributed in Japan, south-eastern China, Borneo, India, Saudi Arabia, Yemen, Egypt (incl. Sinai) and tropical Africa (Ethiopia, Sudan, Chad) (Péricart 1999a, 2001, Gadalla 1999). Péricart (1999a) mentioned also records of former authors concerning Cyprus (Lindberg 1948), Maghreb, Libya (de Bergevin 1930, Mancini 1935a), and southern Italy (Puton 1884), but regarded them as records of *Dimorphopterus brachypterus* (Rambur, 1839). Only old records from Tunisia (Montandon 1885, Puton 1886) were cited by Carapezza (1997). Confirmed occurrence in Tunisia.

Note: Concerning the records from Libya, Péricart (1999a) referred incorectly to Mancini (1935b) instead of Mancini (1935a).

Geocoridae

Engistus exsanguis exsanguis Stål, 1872. Blidette, 7.-10.iv.1999, 1 ♂, J. & H. Batelkovi lgt., P. Kment det. (JBPC).

Geocoris (Eilatus) chloroticus Puton, 1888. Nefta, 21.-23.v.1998, 2 ♂♂ 1 ♀, J. & H. Batelkovi lgt., P. Kment det. (JBPC, PKPC).

Geocoris (Eilatus) confalonierii (de Bergevin, 1932). Es Sabria, 23.v.1993, 1 ♂, J. Batelka lgt., P. Kment det. (PKPC).

G. confalonierii is distributed in the deserts of Israel, Egypt (including Sinai), Libya, Sudan and Mauretania (Péricart 2001). Stichel (1959) and subsequently Slater (1964) indicated the species also from Algeria without any exact locality. Péricart (1999a) thus regarded this record as doubtful. Subsequently, the record has been completely omitted in Péricart (2001). The species was collected on *Acacia* and *Tamarix* in Sudan (Linnavuori 1978), but the type material of *Geocoris tanninimensis* Linnavuori, 1960 (the junior synonym of *G. confalonierii*) were swept in Israel from herbs on coastal dunes (Linnavuori 1960). New species for Tunisia.

Rhyparochromidae

Dieuches armatipes (Walker, 1872). Nefta, 28.-29.v.1993, 1 ♀, J. Batelka lgt., P. Kment det. (JVPC). Tozeur, 6.ix.1995, 2 ♂♂ 2 ♀♀, J. Batelka & H. Podroužková lgt., P. Kment det. (PKPC, JBPC, JVPC).

Dieuches mucronatus (Stål, 1865). Bargu, 13.iv.1999, 1 ♀, J. Batelka lgt., P. Kment det. (PKPC).

It occurs in the southern Palaearctic (Morocco, Algeria, Libya, Egypt (incl. Sinai), Israel, Saudi Arabia, Yemen, Iran), Afrotropical (Cape Verde Islands, Chad, Ethiopia, Senegal, Somalia, Sudan, Uganda) and Oriental (Pakistan, Malaysia (Penang Island)) zoogeographical regions (Péricart 2001, Deckert & Eyles 2002). New species for Tunisia.

Ischnopeza hirticornis (Herrich-Schaeffer, 1850). Sousse, 25.viii.2001, 1 ♂, M. Butula lgt., P. Kment det. (PKPC).

I. hirticornis inhabits rubble, dry and warm places with low vegetation, where it lives in litter under trees and shrubs as well as in mosses and lichens (Péricart 1999b). Its distribution area includes many countries in southern Europe (Spain, France, Italy, Croatia, Bosnia Hercegovina, Serbia, Montenegro, Macedonia, Albania, Greece, European part of Turkey, Bulgaria, Romania, Ukraine and Russia (South European Territory)), Asia (Georgia, Armenia, Azerbaijan, Asian part of Turkey, Cyprus, Lebanon, Israel, Jordan, Iran, Turkmenistan, Uzbekistan, Kirgizia, Tadzhikistan and Afghanistan) and in North Africa (Morocco, Algeria and Egypt) (Péricart 2001, Protić 2001). New species for Tunisia.

Lethaeus lethierryi (Puton, 1869). Nefta, 21.-23.v.1998, 1 ♀, J. & H. Batelkovi lgt., P. Kment det. (JBPC).

Stygnocoris fuligineus (Geoffroy in Fourcroy, 1785). Nefta, 21.-23.v.1998, 1 ♀, J. & H. Batelkovi lgt., P. Kment det. (PKPC).

Common species recorded from 35 European countries from Norway, Ireland and Portugal in the west to the European part of Russia in the east. It occurs also in the Canary Islands, Madeira, north-western Africa (Morocco, Algeria), Caucasus (Armenia, Azerbaijan, Georgia), Asian part of Turkey, and Israel (Péricart 2001, Labina 2003). New species for Tunisia.

Tethallotrum heteronotum (Puton, 1886). Blidette, 27.viii.-5.ix.1997, 1 ♀, J. Batelka lgt., P. Kment det. (JBPC). Jerba – Mellita, 24.iv.1999, 1 ♀, J. Batelka lgt., P. Kment det. (PKPC).

Pyrrhocoridae

Scantius aegyptius aegyptius (Linnaeus, 1758). Bargu, 13.iv.1999, 1 ♂, J. Batelka lgt., P. Kment det. (JBPC). Matmata, 22.-23.v.1995, 4 ♂♂ 2 ♀♀, J. Batelka lgt., P. Kment det. (PKPC, JVPC). Redeyef / Tamerza, 4.iv.1999, 2 ♂♂ 2 ♀♀, J. & H. Batelka lgt., P. Kment det. (JBPC, PKPC).

Coreidae

Centrocoris degener (Puton, 1874). Bargu, 5.-6.xii.1999, 1 ♀, J. Batelka lgt., P. Kment det. (JBPC).

Cercinthus lehmanni (Kolenati, 1856). Nefta, 3.-4.xii.1999, 1 ♂, J. Batelka lgt., P. Kment det. (JBPC).

Phyllomorpha laciniata (Villers, 1789). Beni Kheddache, 22.iv.1999, 1 ♂, J. Batelka lgt., P. Kment det. (PKPC).

Alydidae

Camptopus lateralis (Germar, 1817). Sousse, 25.viii.2001, 1 ♀, M. Butula lgt., P. Kment det. (PSJC).

Stenocephalidae

Dicranocephalus agilis (Scopoli, 1763). Blidette, 19.-20.v.1998, 1 ♀, J. & H. Batelkovi lgt., P. Kment det. (JBPC).

Rhopalidae

Liorhyssus hyalinus (Fabricius, 1794). Bargu, 8.-11.xii.1999, 1 ♀, J. Batelka lgt., P. Kment det. (JBPC).

Cydnidae

Amaurocoris curtus (Brullé, 1838). Al Blidet, 26.-28.v.1993, 3 ♂♂, J. Batelka lgt., P. Kment det. (PKPC, JVPC); dtto, 7.-10.iv.1999, 1 ♂ 1 ♀, J. & H. Batelkovi lgt., P. Kment det. (JBPC); dtto, 25.iv.2000, 2 ♂♂ 6 ♀♀, J. Batelka lgt., P. Kment det. (JBPC, PKPC). Bargu, 13.iv.1999, 1 ♂, J. Batelka lgt., P. Kment det. (PKPC). Douz, 25.-26.v.1995, 1 ♂, J. Batelka & H. Podroužková lgt., P. Kment det. (PKPC). Hazoua, 19.-20.iv.1996, 1 ♂ 1 ♀, J. Batelka & H. Podroužková lgt., P. Kment det. (PKPC). Nefta, 21.-23.v.1998, 1 ♂ 1 larva, J. & H. Batelkovi lgt., P. Kment det. (PKPC).

Byrsinus pilosulus (Klug, 1845). Nefta, 21.-23.v.1998, 1 ♂, J. & H. Batelkovi lgt., P. Kment det. (PKPC).

Canthophorus melanopterus melanopterus (Herrich-Schaeffer, 1835). Blidette, 27.viii.-5.ix.1997, 1 ♂, J. Batelka lgt., P. Kment det. (JBPC).

Crocistethus waltlianus (Fieber, 1837). El Guetar, 19.-20.v.1993, 1 ♀, J. Batelka lgt., P. Kment det. (JVPC).

Cydnus aterrimus (Forster, 1771). Jerba – Rass Rmel, 24.iv.1999, 1 ♂ 1 ♀, J. Batelka lgt., P. Kment det. (JBPC).

Macroscytus brunneus (Fabricius, 1803). Nefta, 21.-23.v.1998, 1 ♂, J. & H. Batelkovi lgt., P. Kment det. (JBPC). Sousse, 30.vi.1995, 1 ♀, R. Rozkošný lgt., P. Kment det. (PKPC). Blidet, 26.-28.v.1993, 1 ♂, J. Batelka lgt., P. Kment det. (JVPC).

Peribyssus scutellaris Puton, 1888. Blidet, 26.-28.v.1993, 1♀, J. Batelka lgt., P. Kment det. (PKPC). Blidette, 14.-15.ix.1996, 1 ♀, J. Batelka & H. Podroužková lgt., P. Kment det. (JBPC).

The material was collected at light. The species has been described and known only from Algeria (Vidal 1949, Lis 1999). New species for Tunisia.

Scutelleridae

Alphocoris pachycephalus de Bergevin, 1931. Rejim Mathoug, 22.iv.2000, 5 ♀♀, on *Aristida pungens*, J. Batelka lgt., P. Kment det. (PKPC, JBPC).

Described from southern Algeria. The type specimens were collected on *Aristida pungens* (Poaceae) in dunes near Timelad'n in high Igharghar (ca 950 m a.s.l.) (de Bergevin 1931). New species for Tunisia.

Odontoscelis dorsalis (Fabricius, 1803). Kettana, 25.-26.v.1993, 1 ♀, J. Batelka lgt., P. Kment det. (JVPC). Nefta, 28.-29.v.1993, 2 ♀♀, J. Batelka lgt., P. Kment det. (PKPC, JVPC).

Odontotarsus caudatus (Burmeister, 1835). Blidette, 7.-10.iv.1999, 1 ♂ 1 ♀, J. & H. Batelkovi lgt., P. Kment det. (JBPC, PKPC).

Pentatomidae

Acrosternum millieri (Mulsant et Rey, 1836). Blidette, 27.viii.-5.ix.1997, 1 ♂ 2 ♀♀, J. Batelka lgt., P. Kment det. (JBPC, PKPC).

Brachynema cinctum (Fabricius, 1775). Blidet, 26.-28.v.1993, 1 ♂, J. Batelka lgt., P. Kment det. (JVPC).

Carpocoris mediterraneus atlanticus Tamanini, 1958. Blidette, 23.-24.v.1998, 1 ♂, J. & H. Batelkovi lgt., P. Kment det. (PKPC). Blidette, 7.-10.iv.1999, 1 ♀, J. & H. Batelkovi lgt., P. Kment det. (JBPC).

Codophila maculicollis (Dallas, 1851). Blidette, 26.-28.v.1993, 1 ♀, J. Batelka lgt., P. Kment det. (PKPC). Gafsa – oued 8 km SE, 29.-30.v.1993, 1 ♂ 1 ♀, J. Batelka lgt., P. Kment det. (JVPC).

Codophila varia (Fabricius, 1787). Blidette, 23.-24.v.1998, 1 ♂, J. & H. Batelkovi lgt., P. Kment det. (JBPC).

Chroantha ornatula (Herrich-Schaeffer, 1842). Blidette, 23.-25.v.1993, 1 ♂, J. Batelka lgt., P. Kment det. (JVPC). Nefta, 21.-23.v.1998, 1 ♀, J. & H. Batelkovi lgt., P. Kment det. (JBPC).

Tholagmus chobauti Puton, 1898. Al Blidet, 20.iv.2000, 1 ♀, J. Batelka lgt., P. Kment det. (JBPC).

Tholagmus strigatus (Herrich-Schaeffer, 1835). Kairouan, 24.v.1973, 1 ♂ 1 ♀, J. Moravec lgt., P. Kment det. (MMBC).

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REFERENCES

AUKEMA B. & RIEGER Ch. (eds.) 1995: *Catalogue of the Heteroptera of the Palaearctic Region. Vol. 1. Enicocephalomorpha, Dipsocoromorpha, Nepomorpha, Gerromorpha and Leptopodomorpha.* The Netherlands Entomological Society, Amsterdam, xxvi + 222 pp.

AUKEMA B. & RIEGER Ch. (eds.) 1996: *Catalogue of the Heteroptera of the Palaearctic Region. Vol. 2. Cimicomorpha I.* The Netherlands Entomological Society, Amsterdam, xiv + 361 pp.

AUKEMA B. & RIEGER Ch. (eds.) 1999: *Catalogue of the Heteroptera of the Palaearctic Region. Vol. 3. Cimicomorpha II.* The Netherlands Entomological Society, Amsterdam, xiv + 577 pp.

AUKEMA B. & RIEGER Ch. (eds.) 2001: *Catalogue of the Heteroptera of the Palaearctic Region. Vol. 4. Pentatomomorpha I.* The Netherlands Entomological Society, Amsterdam, xiv + 346 pp.

BERGEVIN E. de 1930: Risultati zoologici della missione inviata dalla (sic!) R. Società Geografica Italiana per l'esplorazione dell'Oasi de Giarabub (1926-1927). Liste des Hémiptères. *Annali del Museo Civico di Storia Naturale 'Giacomo Doria'*, 55: 29-39 (in Italian).

BERGEVIN E. de 1931: Description d'une nouvelle espèce d'Alphocoris (Hémiptère Scutellerinae) provenant des chasses de M. de Peyerimhoff au Hoggar. *Bulletin de la Société d'Histoire Naturelle de l'Afrique du Nord*, 22: 152-154.

CARAPEZZA A. 1997: Heteroptera of Tunisia. *Naturalista Siciliano*, 21(Suppl. A): 1-312.

DAMGAARD J. & COGNATO A. I. 2003: Sources of character conflict in a clade of water striders (Heteroptera: Gerridae). *Cladistics*, 19: 512-526.

DAMGAARD J. & SPERLING F. A. H. 2001: Phylogeny of the water strider genus Gerris (Heteroptera: Gerridae) based on COI mtDNA, EF-1a nuclear DNA and morphology. *Systematic Entomology*, 26: 241-254.

DECKERT J. & EYLES A. C. 2002: Notes on African Dieuches and related Rhyparochromini with description of one new species (Hemiptera, Lygaeoidea, Rhyparochromidae). *Mitteilungen aus dem Museum für Naturkunde Berlin, Deutsche Entomologische Zeitschrift*, 49: 143-159.

DISPONS P. 1965: Trois reduviides déserticoles nouveaux (Hemiptera, Heteroptera). *Cahiers des Naturalistes*, 21: 19-21.

ENCARTA 1998: *Microsoft Encarta World Atlas 1998 Edition.*

GADALLA S. M. 1999: Two new records of order Hemiptera and list of hemipterous species collected from Sinai peninsula. *Bulletin of the Entomological Society of Egypt*, 77: 75-89.

GÜNTHER H. & SCHUSTER G. 2000: Verzeichnis der Wanzen Mitteleuropas (Insecta: Heteroptera) (2. überarbeitete Fassung). *Mitteilungen des Internationalen Entomologischen Vereins*, 7(Suppl.): 1-69.

HENRY T. J. 1997: Fylogenetic analysis of family groups within the infraorder Pentatomomorpha (Hemiptera: Heteroptera), with emphasis on the Lygaeoidea. *Annals of the Entomological Society of America*, 90: 275-301.

LABINA E. S. 2003: Species of the genus Stygnocoris from Russia and adjacent countries (Heteroptera: Lygaeidae). *Zoosystematica Rossica*, 12: 109-115.

LINDBERG H. 1948: On the insect fauna of Cyprus. Results of the expeditions of 1939 by Harald, Håkan and P. H. Lindberg. II. Heteroptera und Homoptera Cicadina der Insel Zypern. *Commentationes Biologicae*, 10: 23-175.

LINNAVUORI R. E. 1960: Hemiptera of Israel I. *Annales Zoologici Societatis Zoologicae Botanicae 'Vanamo'*, 22: 1-71.

LINNAVUORI R. E. 1974: Hemiptera of the Sudan, with remarks on some species of the adjacent countries. 3. Cryptosetmmatidae, Polyctenidae, Joppeicidae, Reduviidae, Pachynomidae, Nabidae, Leptopodidae, Saldidae, Henicocephalidae and Berytidae. *Annales Entomologici Fennici*, 40: 116-138.

LINNAVUORI R. E. 1978: Hemiptera of the Sudan, with remarks on some species of the adjacent countries. 6. Aradidae, Meziridae, Aneuridae, Pyrrhocoridae, Stenocephalidae, Coreidae, Alydidae, Rhopalidae, Lygaeidae. *Acta Zoologica Fennica*, 153: 1-108.

LINNAVUORI R. E. 1986: Heteroptera of Saudi Arabia. *Fauna of Saudi Arabia*, 8: 31-197.

LINNAVUORI R. E. 2004: Heteroptera of the Hormozgan province in Iran. III. Cimicomorpha (Anthocoridae, Cantacaderidae, Tingidae), Pentatomomorpha. *Acta Universitatis Carolinae Biologica*, 48: 273-286.

LIS B. 2001: Cantacader iranicus sp. nov. from Iran with remarks and a key to the West Palaearctic species of the genus Cantacader Amyot et Serville, 1843 (Hemiptera: Tingoidea: Cantacaderidae). *Annales Zoologici* (Warszawa), 51: 423-428.

LIS B. 2003: Revision of the genus Cantacader Amyot et Serville, 1843 (Hemiptera: Heteroptera: Cantacaderidae). *Polskie Pismo Entomologiczne*, 72(Suppl.): 1-222.

LIS J. A. 1999: Burrower bugs of the Old World – a catalogue (Hemiptera: Heteroptera: Cydnidae). *Genus*, 10: 165-249.

LUPOLI R. 1997: Notes sur quelques punaises peu connues rencontrées sur les Crucifères (Heteroptera Pentatomidae Eurydemini & Podopinae). *Entomologiste* (Paris), 53: 87-91.

MANCINI C. 1935a: Contributo alla conoscenza degli Emitteri della Tripolitana e della Cirenaica. *Annali del Museo Civico di Storia Naturale 'Giacomo Doria'*, 59: 195-201.

MANCINI C. 1935b: Missioni scientifiche del Prof. E. Zavattari nel Sahara italiano. Hemiptera Heteroptera. *Bollettino della Società Entomologica Italiana*, 67: 77-82.

MASSA B. 1997: The host plants of Tunisian Heteroptera. *Naturalista Siciliano*, 21(Suppl. A): 313-331.

MATOCQ A. 2004a: Données complémentaires sur le genre Dasycapsus (Het., Miridae). *Bulletin de la Société Entomologique de France*, 109: 60.

MATOCQ A. 2004b: Revue des espèces attribuées au genre Megalocoleus Reuter, 1890 (Heteroptera: Miridae). *Annales de la Société Entomologique de France*, 40: 69-101.

MATOCQ A. & PLUOT-SIGWALT D. 2002: Notes sur Solenosthedium bilunatum (Lefebvre, 1827) (Heteroptera, Scutelleridae). *Bulletin Mensuel de la Société Linnéenne de Lyon*, 71: 277-284.

MONTANDON A. 1885: Description d'un Hémiptère-Hétéroptère nouveaux. *Revue d'Entomologie*, 4: 113-115.

MOULET P. 2003: Sur quelques Oncocephalus Klug, 1830 Ouest-Paléarctiques (Hemiptera, Reduviidae, Stenopodainae). *Nouvelle Revue d'Entomologie, N. S.*, 19(2002): 273-289.

MOULET P. 2004: Contribution à l'étude des Stenopodainae paléarctiques (Heteroptera, Reduviidae). *Nouvelle Revue d'Entomologie, N. S.*, 20(2003): 281-297.

PÉRICART J. 1999a: *Faune de France et régions limitrophes. Vol. 84A. Hémiptères Lygaeidae Euro-Méditerranéens. Part 1.* Fédération Française des Sociétés de Sciences Naturelles, Paris, 468 pp.

PÉRICART J. 1999b: *Faune de France et régions limitrophes. Vol. 84B. Hémiptères Lygaeidae Euro-Méditerranéens. Part 2.* Fédération Française des Sociétés de Sciences Naturelles, Paris, 453 pp.

PÉRICART J. 2001: Family Lygaeidae Schilling, 1829 – Seed-bugs, pp. 35-220. In: AUKEMA B. & RIEGER Ch. (eds.): *Catalogue of the Heteroptera of the Palaearctic Region. Vol. 4. Pentatomomorpha I.* The Netherlands Entomological Society, Amsterdam, xiv + 436 pp.

PROTIĆ Lj. 2001: Catalogue of the Heteroptera fauna of Yugoslav countries. Part two. *Natural History Museum in Belgrade, Special Issue*, 39: 1-271.

PUTON A. 1884: Notes hémiptérologiques. *Revue d'Entomologie*, 3: 142-149.

PUTON A. 1886: *Énumération des Hémiptères recueillis en Tunisie en 1883 et 1884.* Exploration scientifique de la Tunisie, Paris, 24 pp.

PUTSHKOV P. V. & PUTSHKOV V. G. 1996: Family Reduviidae Latreille, 1807 – assassin-bugs, pp. 148-265. In: AUKEMA B. & RIEGER Ch. (eds.): *Catalogue of the Heteroptera of the Palaearcic Region. Vol. 2. Cimicomorpha I.* The Netherlands Entomological Society, Amsterdam, xiv + 361 pp.

SLATER J. A. 1964: *A catalogue of the Lygaeidae of the world. Vol. 1.* University of Connecticut Storrs, Connecticut, 778 pp.

STICHEL W. 1959: *Illustrierte Bestimmungstabellen der Wanzen. II. Europa. Hemiptera-Heteroptera Europae 4.* W. Stichel, Berlin-Hermsdorf, pp. 225-384.

VIDAL J. P. 1949: Hémiptères de l'Afrique du Nord et des Pays Circum-Méditerranéens. *Mémoires de la Société des Sciences Naturelles du Maroc*, 48: 1-238.
WORLD CART 2000: *World Cart. Tunesien. World-Länderkarte 1:800.000*. Falk Verlag, Ostfildern, 1 map.

SOUHRN

Fauna ploštic (Heteroptera) Tuniska byla recentně zpracována Carapezzou (1997) v jeho monografii „Heteroptera of Tunisia". V této práci je z Tuniska udáváno dohromady 754 druhů. Jako dodatek sestavil Massa (1997) seznam živných rostlin tuniských ploštic. Dodatečně bylo z Tuniska publikováno dalších pět druhů: síťnatka *Cantacader quadricornis* (Le Peletier et Serville, 1828) (Lis 2001, 2003) a klopušky *Dasycapsus cunealis* (Reuter, 1899), *Dasycapsus venustus* (Wagner, 1968) (Matocq 2004a), *Megalocoleus bolivari* (Reuter, 1879) a *Megalocoleus krueperi* (Reuter, 1879) (Matocq 2004b). Doplňující údaje jsou obsaženy v pracích Lupoliho (1997): *Ventocoris falcatus* (Cyrillus, 1787) (Pentatomidae), Damgaarda & Sperlinga (2001) a Damgaarda & Cognata (2003): *Gerris maculatus* (Tamanini, 1946) (Gerridae), Matocqa & Pluot-Sigwaltové (2002): *Solenosthedium bilunatum* (Lefebvre, 1827) (Scutelleridae) a Linnavuoriho (2004): *Nemausus sordidatus* (Stål, 1858) (syn. *Nemausus simplex* Horváth, 1910) (Alydidae).

V této práci prezentujeme výsledky studia materiálu nasbíraného v Tunisku převážně druhým z autorů a jeho manželkou Hanou v letech 1993-2000, celkem 57 druhů náležejících do 17 čeledí. Následujících sedm druhů je z Tuniska uvedeno poprvé: *Reduvius testaceus* (Herrich-Schaeffer, 1845), *Geocoris confalonieri* (de Bergevin, 1932), *Dieuches mucronatus* (Stål, 1873), *Ischnopeza hirticornis* (Herrich-Schaeffer, 1850), *Stygnocoris fuligineus* (Geoffroy in Fourcroy, 1785), *Peribyssus scutellaris* Puton, 1888 a *Alphocoris pachycephalus* de Bergevin, 1931. Navíc je potvrzen dosud zpochybňovaný výskyt druhů *Oncocephalus pilicornis* Reuter, 1882 a *Blissus hirtulus* Burmeister, 1835 v Tunisku.

Jména lokalit jsou sjednocena podle mapy World Cart (2000). Pokud se jméno lokality vyskytuje i v jiných variantách, jsou uvedeny v závorkách. V soupisu druhů jsou pak lokality citovány tak, jak jsou uvedeny na lokalitních lístcích. Všechny studované exempláře vyjma těch z lokalit Guedabna, Kairouan, Le Kef, Sousse a Zaghouan pocházejí z lokalit ležících jižně od izohyety 200 mm, která je konvenčně považována za severní hranici Saharské pouště (viz Carapezza 1997).