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Four new records of Coreoidea (Hemiptera: Heteroptera) from Iran

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Abstract. Four species of superfamily Coreoidea, *Anoplocnemis protracta* (Herrich-Schaeffer, 1850), *Ceraleptus lividus* Stein, 1857, *Enoplops scapha* (Fabricius, 1794) (all Coreidae), and *Corizus fenestella subsimilis* Horváth, 1917 (Rhopalidae), are listed here as new records for Iran.

INTRODUCTION

The superfamily Coreoidea is composed by five families including, Alydidae, Coreidae, Pyrrhocoridae, Rhopalidae and Stenocephalidae. They constitute the sister group of the family Lygaeidae (Moulet 1995). The Coreoidea are phytophagous and mainly feed on grasses and some of them are closely related to certain plants (e.g., Stenocephalidae on Euphorbiaceae, Alydidae on Fabaceae), but they occasionally supplement their diet sucking on dead arthropods, vertebrate carrions or excrements (e.g., Constant 2007, Heiss 2002). In the Palaearctics there are not less than 1500 species, the majority of them prefer temperate climates (Moulet 1995; Dolling 2006).

The fauna of Iranian Coreoidea is rather well known (e.g., Wagner 1968; Hoberlandt 1985, 1989; Hoberlandt & Švihla 1990a,b; Linnavuori & Modarres 1998; Heiss 2002; Dolling 2006; Linnavuori 2007) but all the regions were not sampled carefully. Therefore other new records, and probably even new species, will be expected in future. The list of new record species is below.

RESULTS

Coreidae: Coreinae: Mictini

***Anoplocnemis protracta* (Herrich-Schaeffer, 1850)**

Material examined. Mazandaran province, Sari, 73 m a.s.l., July 2005, 2 males, H. Ghahari lgt. et coll., P. Moulet det.

Distribution. Afghanistan, Oriental region (Dolling 2006).

Comment. Sarafrazi (1995) reported *Anoplocnemis curvipes* Fabricius, 1781 from Iran for the first time. He was right for the genus but not for the species; *A. curvipes* is an African species known in Asia only from Oman, Saudi Arabia and Yemen (Linnavuori 1986, 1989; Dolling 2006). We suppose that Sarafrazi's (1995) sample(s) belong to *A. protracta* as well, the species is known from neighbouring Afghanistan (Hoberlandt & Švihla 1990b). New species for Iran.

Coreidae: Coreinae: Coreini

***Enoplops scapha* (Fabricius, 1794)**

Material examined. Hamedan province, Hamedan, 1825 m a.s.l., viii.2002, 2 males 1 female, H. Ghahari lgt. et coll., P. Moulet det.

Distribution. West-Palaearctic, including Europe, Algeria, Morocco, Israel, Turkey (Asian part), Transcaucasia, and West Siberia in Russia (Dolling 2006).

Comment. *Enoplops scapha* feeds mainly on Asteraceae (especially on genera *Senecio*, *Matricaria*, and *Cynara*, and sometimes on the families Boraginaceae, Scrophulariaceae, Fabaceae, Polygonaceae, and Lamiaceae (Moulet 1995). New species for Iran.

Coreidae: Pseudophloeinae

***Ceraleptus lividus* Stein, 1857**

Material examined. Chaharmahal-Bakhtiari province, Shahrekord, 2050 m a.s.l., viii.2003, 3 males 2 females, H. Ghahari lgt. et coll., P. Moulet det.

Distribution. Most of European countries and Transcaucasia (Armenia, Azerbaijan, Georgia) (Dolling 2006).

Comment. *Ceraleptus lividus* feeds mainly on Fabaceae, but it was also observed on Lamiaceae, Boraginaceae, and Ericacea. It was also observed to suck on dead snake (Moulet 1995). New species for Iran.

Rhopalidae: Rhopalinae: Rhopalini

***Corizus fenestella subsimilis* Horváth, 1917**

Material examined. Fars province, Kazeroon, 842 m a.s.l., vii.2005, 2 females, H. Ghahari lgt., P. Moulet det., coll. of Islamic Azad University. Khorasan province, Mashhad, 1184 m a.s.l., viii.2004, 1 male1 female, H. Ghahari lgt., P. Moulet det., coll. of Islamic Azad University.

Distribution. *Corizus fenestella subsimilis* is known from Afghanistan, Kazakhstan (Asian part), Kyrgyzstan, Mongolia, Tajikistan, Turkmenistan, Uzbekistan, and India. The nominotypical subspecies *C. fenestella fenestella* Horváth, 1917 occurs in Greece (Lesvos), Armenia, Azerbaijan, Iran, Iraq, and Turkey (Asian part) (Dolling 2006). Populations from Afghanistan, eastern Iran, and Turkmenistan are intermediate between the two subspecies (Putshkov 1986). New subspecies for Iran.

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SOUHRN

V tomto článku jsou uvedeny čtyři prvonálezy ploštic z nadčeledi Coreoidea pro faunu Íránu: *Anoplocnemis protracta* (Herrich-Schaeffer, 1850), *Ceraleptus lividus* Stein, 1857 a *Enoplops scapha* (Fabricius, 1794), všechny z čeledi Coreidae, a *Corizus fenestella subsimilis* Horváth, 1917 z čeledi Rhopalidae.