

Short communication

SHIELD BUGS (HETEROPTERA: ACANTHOSOMATIDAE) IN SERBIA

LJILJANA PROTIĆ

Natural History Museum Belgrade, Njegoševa 51, 11000 Belgrade, Serbia
E-mail: protic@nhmbeo.rs

The family Acanthosomatidae is represented in Serbia by six species: *Acanthosoma haemorrhoidale haemorrhoidale* (Linnaeus, 1758), *Cyphostethus tristriatus* (Fabricius, 1787), *Elasmotethus interstinctus* (Linnaeus, 1758), *Elasmotethus minor* Horváth, 1899, *Elasmucha fieberi* (Jakovlev, 1865) and *Elasmucha grisea grisea* (Linnaeus, 1758). *Elasmotethus interstinctus* is a new species for fauna of Serbia.

Data on the distribution of species from the family Acanthosomatidae in Serbia include two periods: 1880–1940 and 1995–2010. Data for the first period were already published in the Catalogue (PROTIĆ, 2001). During the last 15 years, the collection of Heteroptera at the Natural History Museum was increased by the addition of new specimens from the localities not included in the first period.

New data on distribution of the family Acanthosomatidae in Serbia:

Acanthosoma haemorrhoidale haemorrhoidale (Linnaeus, 1758)

Valjevo: Petnica, 22.06.1996, leg. N. Lazarević

Vinča, 18.05.1997, leg. A. Stojanović

Pčinja R.: Delinovica, 1-15.7.2007, leg. I. Gajić

Fruška Gora: Paragovo, 25.10.2010, leg. D. Savić

Ref.: FRIVALDSZKY (1877), HORVÁTH (1903), KORMILEV (1928/29, 1936), ŽIVOJINOVIĆ (1950), BALARIN (1963), PROTIĆ (1986, 1987).

Cyphostethus tristriatus (Fabricius, 1787)

Goč, 28.09.2001, leg. S. Pešić

Zlatibor: Vodice 1100m, 30.10.2005, leg. I. Dodok

Kosmaj, 12.08.2006, leg. A. Stojanović

Ref.: HORVÁTH (1903), DIVAC (1907), KORMILEV (1936), BALARIN (1963).

Elasmotethus interstinctus (Linnaeus, 1758)

Fruška Gora: Pragovo, 06.06.2009, leg. D. Savić

New species for fauna of Serbia.

Elasmotethus minor Horváth, 1899

Ref.: KORMILEV (1936), ŽIVOJINOVIĆ (1950).

Elasmucha fieberi (Jakovlev, 1864)

Ljig: Kadina Reka, 04.09.2010, 1♂, 1♀, leg. A. Stojanović

The single previously known locality for this species in Serbia was the literature citation from Majdanpek, which is now added to by new specimens from vicinity of Ljig.

Ref.: ŽIVOJINOVIĆ (1950).

Elasmucha grisea grisea (Linnaeus, 1758)

Tara: Kaluđerske Bare, 24.07.2003, leg. Lj. Protić

Ref.: KORMILEV (1938), ŽIVOJINOVIĆ (1950), PROTIĆ (1987, 1992).

There are no fresh data for the species *Elasmotethus minor*. So far it is known only from the locality of Majdanpek (ŽIVOJINOVIĆ 1950).

Table I. Representation of species from the family Acanthosomatidae in countries of the Balkan Peninsula: AL = Albania, BH = Bosnia & Herzegovina, BU = Bulgaria, CR = Croatia, GR = Greece, MC = Macedonia, ME = Montenegro, RO = Romania, RS = Serbia. Based on Aukema & Rieger (2006).

SPECIES	AL	BH	BU	CR	GR	MC	ME	RO	RS	Σ
<i>Acanthosoma h. haemorrhoidale</i>	•	•	•	•	•	•	•	•	•	9
<i>Cyphostethus tristriatus</i>	•	•	•	•		•	•		•	7
<i>Elasmotethus interstinctus</i>	•	•	•	•	•				•	6
<i>Elasmotethus minor</i>	•	•	•	•			•	•	•	7
<i>Elasmucha ferrugata</i>	•	•	•	•				•		5
<i>Elasmucha fieberi</i>									•	1
<i>Elasmucha g. grisea</i>	•	•	•	•	•		•	•	•	8
Σ	6	6	6	6	3	2	4	4	6	

Insufficient collecting of Acanthosomatidae species in deciduous trees, which is the niche they inhabit, accounts for the small number of records.

In the Balkan Peninsula there are seven species from family Acanthosomatidae (Tab. I). *Acanthosoma h. haemorrhoidale* is distributed in all nine Balkan countries. *Elasmucha g. grisea* was recorded in all countries except Macedonia. *Elasmucha fieberi* was recorded only in Serbia. Until 2010 when one specimen was collected by Aleksandar STOJANOVIĆ at the locality of Kadina Reka in the vicinity of Ljig (44°13'N, 20°14'E) and added to the Collection of Heteroptera at the Natural History Museum, the only proof of existence of this species in Serbia was the paper by ŽIVOJINOVIĆ (1950). The only Balkan species of Acanthosomatidae not yet recorded from Serbia is *Elasmucha ferrugata* (Fabricius, 1787).

References: AUKEMA, B. & RIEGER, Ch. (eds.). 2006. Catalogue of the Heteroptera of the Palaearctic Region. Vol. 5. The Netherland Entomological Society, Amsterdam, xiii+550 pp. BALARIN, I., 1963. Acta Instituti Protectionis Plantarum Facultatis Agronomicae, Zagreb, 2: 1-21, [in Serbo-Croatian, with German s.]. DIVAC, N., 1907. Radovi iz zoološkog instituta u Univerzitetu, Beograd, 1(1): 4-14 [in Serbian, with French s.]. FRIVALDSZKY, J., 1877. Közlemenyek, 13: 371-377 [in Hungarian]. HORVÁTH, G., 1903. Annales Musei Nationalis Hungarici, 1: 3-28 [in Hungarian]. KORMILEV, N., 1928-1929. Glasnik Jugoslovenskog entomološkog društva, 3-4(1-2): 79-91 [in Serbian]. KORMILEV, N., 1936. Glasnik skopskog naučnog društva, 17(5): 29-54 [in Serbian, with German s.]. PROTIĆ, Lj., 1986. Glasnik Prirodnjačkog muzeja, Beograd, B(41): 57-87 [in Serbian, with English s.]. PROTIĆ, Lj., 1987. Glasnik Prirodnjačkog muzeja u Beogradu, Special issue 35: 1-100 [in Serbian and English]. PROTIĆ, Lj., 1992. Bulletin of Natural History Museum in Belgrade B(47): 193-245 [in English, with Serbian s.]. PROTIĆ, Lj., 2001. Natural History Museum, Belgrade. Special Issue 39: 1-272 [in English, with Serbian s.]. ŽIVOJINOVIĆ, S., 1950. Entomološka monografija. Srpska Akademija nauka i umetnosti, Institut za ekologiju i biogeografiju. Posebna izdanja, 160(2): 211-225 [in Serbian, with French s.]

ШАРЕНОТЕЛКЕ (НЕТЕРОПТЕРА: АСАНТОСОМАТИДАЕ) У СРБИЈИ

ЉИЉАНА ПРОТИЋ

Извод

Фамилија Acanthosomatidae у Србији је заступљена са шест врста: *Acanthosoma haemorrhoidale haemorrhoidale* (Linnaeus), *Cyphostethus tristriatus* (Fabricius), *Elasmotherus interstinctus* (Linnaeus), *Elasmotherus minor* Horváth, *Elasmucha fieberi* (Jakovlev) и *Elasmucha grisea grisea* (Linnaeus). Нова врста за фауну Србије је *Elasmotherus interstinctus* (Linnaeus).

Подаци о распрострањењу врста фамилије Acanthosomatidae у Србији потичу из два временска периода, први 1880.-1940. и други 1995.-2010. Подаци за први период објављени су у Каталогу (PROTIĆ, 2001). У раду се по први пут објављују подаци о примерцима фамилије Acanthosomatidae који су последњих 15 година приновљени за збирку Heteroptera Природњачког музеја у Београду.

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