

Graphosoma creticum Horv. is a synonym of *G. semipunctatum* (F.) (Heteroptera: Pentatomidae)

D.A. Gapon

Gapon, D.A. 2007. *Graphosoma creticum* Horv. is a synonym of *G. semipunctatum* (F.) (Heteroptera: Pentatomidae). *Zoosystematica Rossica*, **16**(1): 78.

Graphosoma creticum is synonymized with *G. semipunctatum*.

D.A. Gapon, Zoological Institute, Russian Academy of Sciences, Universitetskaya nab. 1, St. Petersburg 199034, Russia.

The paper is based on material from the collections of the Zoological Institute, St. Petersburg, and of Dr. Jordi Ribes (Barcelona, Spain).

Graphosoma creticum was described from Crete and later recorded for Turkey. According to the original description, this species differs from *G. semipunctatum* in the usually smaller size and proportionally wider body, shorter head, longer segment 2 of antennae (more than twice as long as segment 3), more prominent humeri, less narrowed scutellum apically, wider abdomen (mainly due to connexivum), disappearing black maculae on laterotergites (remaining as small dots in inner hind angles) and shape of outer margin of the paramere hypophysis. Length of body 10-11.5 mm, width of pronotum 6.5-7.5 mm. Based on examination of an extensive material, I consider *G. creticum* to be a junior synonym of *G. semipunctatum*.

***Graphosoma semipunctatum* (Fabricius, 1775)**

= *Graphosoma creticum* Horváth, 1909, **syn. n.**

Material examined. About 1000 specimens from various parts of the distribution range, including 3 ♂ and 1 ♀ from Crete. Measurements are carried out from all spec-

imens from Crete, 2 specimens from mainland Greece, 1 from Turkey, 2 from Algeria, 3 from Crimea, 3 from Transcaucasia and 2 from Central Asia.

Discussion. The absolute sizes (mm) and ratios (those from Crete in parentheses) widely overlap: body length 9.3-12.3 (9.1-12.6) mm, pronotum width 6.2-8.2 (6.1-8.3) mm, length/width of head 1.00-1.10 (0.98-1.04), pronotum width/ body length 0.63-0.71 (0.66-0.69), abdomen width/ body length 0.63-0.71 (0.68-0.71), width of scutellum at level of corium apex/ length of scutellum 0.41-0.53 (0.49-0.55), width of scutellum at level of corium apex/ width of scutellum at base 0.64-0.73 (0.71-0.76), length of antennal segment 2/ that of 3 2.10-2.70 (2.17-2.39). The coloration of the connexivum varies from black with narrowly pale external margin to entirely or almost entirely pale both in specimens from Crete and those from other localities. No significant differences are found in the structure of the male and female genitalia.

Acknowledgements

I thank Dr. J. Ribes for the loan of material. The collection of Zoological Institute, St. Petersburg, is supported by Rosnauka for UFC no. 2-2.20.

Received 20 May 2007