



Description of the unknown fifth instar of *Emblethis duplicatus* Seidenstücker, 1963 (Hemiptera: Heteroptera: Rhyparochromidae), with a key to 5th instar nymphs of *Emblethis* Fieber, 1860

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Currently, the Palaearctic genus *Emblethis* Fieber, 1860 comprises 29 species (Péricart 2001). Up to date, the 5th instars were known only for five species representing this genus, i.e., *E. ciliatus* Horváth, *E. verbasci* (Fabricius), *E. griseus* (Wolff), *E. denticollis* Horváth, and *E. minutus* Kiritshenko— descriptions and keys for their identification were provided by Putshkov (1969), and Péricart (1999).

Emblethis duplicatus Seidenstücker, 1963, originally described from Turkey, at present is regarded as a ponto-mediterranean species (Péricart, 1999). Several years ago (B. Lis and J.A. Lis 2002) it was also recorded from the Polish Baltic Coast (six specimens were collected from grey dunes in the Słowiński National Park—Fig. 1). Then, six years later, the species was collected also from coastal dunes of the Hel Peninsula (Łęgowski and B. Lis 2008). The Polish localities of this species are the northernmost ones; the closest sites are those in the southern part of the Czech Republic and western Slovakia, about 800 km to the south (Stehlík and Vavřínová 1988).



FIGURE 1. *Emblethis duplicatus*, adult on grey dunes in the Słowiński National Park (Poland), 02.08.2007, photo by J.A. Lis.

During my faunistic studies in the Słowiński National Park at the Baltic Coast in 2007, I found a specimen representing the hitherto unknown 5th nymph of *E. duplicatus*—its description is presented below.

Description of the 5th nymph. Body elongate ovoid (Fig. 2); vestiture: smooth, moderately shining, with very short, sparse, silvery hairs. General body coloration mottled yellowish brown; head irregularly striped; pronotum and wing pads with yellowish bands along their lateral margins; abdomen yellowish brown with irregular, reddish spots, abdominal tergum VIII with black, shining, almost rectangular mark in the middle, abdominal sterna VI–VIII with dark brown rounded mark in the middle; antennal segments I–III yellowish brown, segment IV dark brown; legs yellowish brown, except both, 2nd tarsal segment and apical part of 1st tarsal segment, dark brown; labium yellowish brown, its fourth segment dark brown.

Head 1.4 times broader than its length; paraclypei apically pointed; clypeus with several black spiniform hairs; labium reaching apex of middle coxae; antenniferous tubercles invisible dorsally. Antennal segments I–III bearing black