

Notes on synonymy and distribution of some species of the genus *Aelia* (Heteroptera: Pentatomidae)

V. Derzhansky, J. Péricart & D. Pluot-Sigwalt

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The following synonymy established by Derzhansky & Péricart (2005) is explained: *Aelia acuminata* (Linnaeus, 1758) = *punctiventris* Horváth, 1910; *Ae. klugii* Hahn, 1833 = *granum* Jakovlev, 1903, *henschi angusta* Stehlík, 1976, *klugii orientalis* Josifov, 1984; *Ae. rostrata* Boheman, 1852 = *cognata* Fieber, 1868, *syriaca* Horváth, 1903; *Ae. alticola* Kiritshenko, 1916 = *satunini* Kiritshenko, 1930. The data on distribution of *Ae. notata* Rey are specified.

V. Derzhansky, Institute of Zoology, Moldavian Academy of Sciences, str. Academiei 1, 2028 Chişinău, R. Moldova.

J. Péricart, 59 rue du Gringaloux La Fourberie, F-35800 Saint-Lunaire, France.

D. Pluot-Sigwalt, Muséum National d'Histoire Naturelle, 45 rue Buffon, 75005 Paris, France.

For various reasons, some new synonymies in the genus *Aelia* were published by Derzhansky & Péricart (2005) without the statement "syn. n." and without substantiation. The latter is given here.

Aelia acuminata (Linnaeus, 1758) = *Ae. punctiventris* Horváth, 1910. *Ae. punctiventris* was described by Horváth (1910) from Egypt. Its description and the later redescription by Wagner (1960) were based on variable characters: shape of the head, bucculae, antennal segments, etc.

Aelia klugii Hahn, 1833 = *Ae. granum* Jakovlev, 1903, = *Ae. henschi angusta* Stehlík, 1976, = *Ae. klugii orientalis* Josifov, 1984. Examination of the extensive material in the collection of Zoological Institute, Russian Academy of Sciences (St.Petersburg) and some other collections has revealed a wide variability in the shape of the bucculae. In Siberia, Mongolia, the Far East of Russia and Northern Korea there is a trend to reduction (or even loss) of tooth on the bucculae, a character distinguishing this species from the close *Ae. sibirica*. The same phenomenon was noticed in populations from mountain areas of the Pamirs, Rhodope, Alps, etc. *Ae. granum* Jak. (from Kyrgyzstan; holotype examined), *Ae. klugii orientalis* Jos. (from Korea) and *Ae. henschi angusta* Stehl. (from the Czech Republic, later upgraded to species) were described on the basis of this and some other variable characters.

It is noteworthy that, on the other hand, bulging or tubercle on bucculae was observed in the southern (Southern Europe, North Africa, Iran, etc.) populations of *Ae. acuminata* L. and *Ae. rostrata* Boh.

Aelia rostrata Boheman, 1852 = *Ae. cognata* Fieber, 1868, = *Ae. syriaca* Horváth, 1903. This is a widely distributed and variable species. It was described under several names, including *Ae. cognata* Fieb. (lectotype designated by Derzhansky & Pluot-Sigwalt, 2003) and *Ae. syriaca* Horv. (syntype examined).

Aelia alticola Kiritshenko, 1916 = *Ae. satunini* Kiritshenko, 1930. Examination of the type series of both species and additional material has shown that the two nominal taxa are conspecific.

Aelia notata Rey, 1887. The species is recorded from Ukraine (Crimea, Kerch, Kiritshenko leg.) in the map, but, by a mistake, not in the text by Derzhansky & Péricart (2005). The record in the map from Central Asia is based on a single female and is hardly correct.

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