

Case 3481***Crioceris quadripunctata* Olivier, 1808 (currently *Petauristes quadripunctatus*; Insecta, Coleoptera): proposed conservation**

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Abstract. The purpose of this application, under Article 23.9.5 of the Code, is to conserve the name *Petauristes quadripunctatus* (Olivier, 1808) for a common and widespread South Asian beetle originally described as *Crioceris quadripunctata*, and thus a junior primary homonym of *Crioceris quadripunctata* Fabricius, 1801 (currently *Monolepta quadripunctata*).

Keywords. Nomenclature; taxonomy; Insecta; Coleoptera; CHRYSOMELIDAE; *Petauristes*; *Petauristes quadripunctatus*; Southern Asia.

1. Fabricius (1801, p. 460) described the species *Crioceris quadripunctata* from Nova Cambria (= New South Wales). Olivier (1808) referred to it as *Galeruca quadripunctata*, and Blackburn (1896) transferred it to *Monolepta*; it has since then (Weise, 1924; Wilcox, 1973) been listed as *Monolepta quadripunctata*.

2. Olivier (1808, p. 731) described the species *Crioceris quadripunctata*. This species was referred to as *Lema quadripunctata* by Lacordaire (1845), and has since been listed as *Lema quadripunctata* by e.g. Jacoby (1908), Monrós (1960), Kimoto & Gressitt (1979), Medvedev (1985) and Takizawa (1990), as *Bradylema quadripunctata* by Heinze (1941), and as *Lema (Petauristes) quadripunctata* by e.g. Tan et al. (1985), Medvedev (2000) and Mohamedsaid (2004) (*Bradylema* Weise, 1901 is considered a junior synonym of *Petauristes* Latreille, 1829). The species is widely distributed from India and southern China to Indonesia and the Philippines. Lacordaire (1845) listed one synonym, namely *Lema quadrisignata* Boisduval, 1835 (p. 534), described from Australia, and the synonym was mentioned by Clavareau (1913), Monrós (1960) and Kimoto & Gressitt (1979); *Lema quadrisignata* has not been considered a separate species since its original description, but because of its geographic origin, the synonymy ought to be investigated. Heinze (1941, p. 208) described two subspecies, *Bradylema quadripunctata ceylonica* and *Bradylema quadripunctata philippinica*; nobody has raised either of these to species rank. Kimoto & Gressitt (1979) further synonymised the nominal species *Lema subinnotata* Pic, 1929 (p. 15) with *L. quadripunctata*; Pic's species had not been mentioned except in a list by Monrós (1960).

3. The name *quadripunctata*, in combinations *Lema quadripunctata* (Olivier) or *Lema (Petauristes) quadripunctata* (Olivier), is widely used, e.g. by Kimoto (1984), Takizawa (1988), Mohamedsaid (1990), Schmitt (1990), Medvedev (1995) and Reid (1997).

4. *Crioceris quadripunctata* Olivier, 1808 is a junior primary homonym of *Crioceris quadripunctata* Fabricius, 1801, although the two species have not been included in the same genus since the early 19th century. Article 23.9.5 of the Code states that such a case should be referred to the Commission.

5. The International Commission on Zoological Nomenclature is accordingly asked:

- (1) to use its plenary power to rule that the name *quadripunctata* Olivier, 1808, as published in the binomen *Crioceris quadripunctata*, is not invalid by reason of being a junior primary homonym of *quadripunctata* Fabricius, 1801, as published in the binomen *Crioceris quadripunctata*;
- (2) to place on the Official List of Specific Names in Zoology the following names:
 - (a) *quadripunctata* Fabricius, 1801, as published in the binomen *Crioceris quadripunctata*;
 - (b) *quadripunctata* Olivier, 1808, as published in the binomen *Crioceris quadripunctata*, with the endorsement that it is not invalid by reason of being a junior primary homonym of *quadripunctata* Fabricius, 1801, as published in the binomen *Crioceris quadripunctata*, as ruled in (1) above.

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