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Aphodius (Agrilinus) pirinensis, a junior synonym of *Aphodius (Calamosternus) granarius* (Coleoptera: Scarabaeidae)

Aphodius (Agrilinus) pirinensis, mladší synonymum druhu *Aphodius (Calamosternus) granarius* (Coleoptera: Scarabaeidae)

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New synonymy, Coleoptera, Scarabaeidae, *Aphodius*

Abstract. Based on the study of type material, a new junior synonym is proposed: *Aphodius (Calamosternus) granarius* (Linnaeus, 1767) = *Aphodius (Agrilinus) pirinensis* Balthasar, 1946.

Aphodius (Calamosternus) granarius (Linnaeus, 1767)

Scarabaeus granarius Linnaeus, 1767: 547.
Aphodius (Calamosternus) granarius: Motschulsky 1859: 156.
Aphodius (Agrilinus) pirinensis Balthasar, 1946: 62, NEW SYNONYM.

Material studied. Holotype - female, labelled: Pirin [Mts] Mac.[edonia], Pfeffer VI. [19]29 [printed] / TYPUS [red label, printed] / A. (Agrilinus) pirinensis m. [black ink, handwritten by Balthasar], Dr. V. Balthasar det. [printed] / A. (Agrilinus) pirinensis Balthasar, 1946, Holotypus design. David Král, 1994 / A. (Calamosternus) granarius (L.) (= A. pirinensis Balth.) syn. n., David Král det. 1994; deposited in V. Balthasar's collection (National Museum, Praha).

Aphodius pirinensis has been originally described by Balthasar (1946) from a single female collected in the Pirin mountains. This species has been placed in the subgenus *Agrilinus* Mulsant et Rey, 1869 after the following subgeneric diagnostic characters mentioned in the original description: pronotal basis distinctly bordered, posterior angles of pronotum rounded, scutellum triangulate, rows of apical tibial setae of equal length (Balthasar 1946).

However, the shape of the scutellum was found to be pentagonal by the study of the type specimen. This character (in combination with the others mentioned above) refers that this specimen belongs to the subgenus *Calamosternus* Motschulsky. The following diagnosis based on study of the holotype of *Aphodius pirinensis* completely agrees with that of *Aphodius (Calamosternus) granarius*: medium sized, elongate, black to piceous coloured species; elytra apically, legs and head appendages brownish to reddish brown; dorsal surface entirely glabrous, shinig. Clypeus with apex broadly rounded either side of weak median emargination and with slightly developed epistomal hump; surface densely rugopunctate; frontal suture slightly trituberculate. Pronotum laterally and basally bordered, posterior angles rounded. Pronotal punctation very sparse, double, irregular. Scutellum pentagonal, impunctate. Intervals of elytra weakly convex, minutely punctate; striae moderately impressed, with punctures crenating inter-

vals. Meso- and metatibiae with terminal fringe of equal setae. Basimetatarsite little shorter than upper terminal spur and subequal to next two tarsites combined.

Aphodius (Agrilinus) pirinensis Balthasar, 1946 is therefore a junior synonym of *Aphodius (Calamosternus) granarius* (Linnaeus, 1767).

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SOUHRN

Na základě studia typového materiálu druhu *Aphodius pirinensis* Balthasar, 1946 bylo zjištěno, že jde o mladší synonymum druhu *Aphodius (Calamosternus) granarius* (Linnaeus, 1767).