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## Revision of the *crassipes* and *pictipes* species groups of *Apiomerus* Hahn (Hemiptera: Reduviidae: Harpactorinae)

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## Abstract

Within the genus *Apiomerus* Hahn, 1831, the *crassipes* and the *pictipes* species groups are described. In the *crassipes* species group, three species are redescribed: *Apiomerus crassipes* (Fabricius, 1803), *Apiomerus rufipennis* (Fallou, 1889) and *Apiomerus spissipes* (Say, 1825); one subspecies is raised to species level and redescribed: *Apiomerus cooremani* Costa Lima, Campos Seabra & Hathaway, 1951; and six species are described as new: *Apiomerus californicus* Berniker & Szerlip, sp. nov., *Apiomerus cazieri* Berniker & Szerlip, sp. nov., *Apiomerus floridensis* Berniker & Szerlip, sp. nov., *Apiomerus montanus* Berniker & Szerlip, sp. nov., *Apiomerus peninsularis* Berniker & Szerlip, sp. nov. and *Apiomerus wygodzinskyi* Berniker & Szerlip, sp. nov. In the *pictipes* species group, two species are redescribed, *Apiomerus flaviventris* Herrich-Schaeffer, 1846 and *Apiomerus pictipes* Herrich-Schaeffer, 1846, and one subspecies, *Apiomerus pictipes pittieri* Costa Lima, Campos Seabra, & Hathaway, 1951 is synonymized with *Apiomerus pictipes*. Neotypes are designated for *Apiomerus flaviventris*, *Apiomerus pictipes*, and *Apiomerus spissipes*. Lectotypes are designated for *Apiomerus cooremani* and *Apiomerus crassipes*. The composition of the species groups are different from those originally proposed by Sigurd Szerlip in his PhD dissertation. The *crassipes* group has one additional member, *Apiomerus rufipennis*. Furthermore, *Apiomerus barrocoloradoi* Forero, Berniker & Szerlip, 2010 and the two manuscript names “*Apiomerus panther*” and “*Apiomerus tigris*” were removed from the *pictipes* group. A key to the species is provided, as well as photographs of habitus and diagnostic features for both males and females. Intraspecific polychromatism is discussed as it relates to species identification and species delimitation.

**Key words:** Heteroptera, Apiomerini, bee killers, resin bugs, polychromatism