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# New cupedid beetles from the Lower Cretaceous of Spain and the palaeogeography of the family

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Thirteen new species of the family Cupedidae (Coleoptera: Archostemata) from Las Hoyas ( Cuenca province) and El Montsec (Lleida province) fossil sites from the Barremian (Lower Cretaceous) of Spain are described. Ten of them belong to subfamily Ommatinae: *Tetraphalerus ponomarenkoi, Tetraphalerus penalveri, Cionocoleus longicapitis, Brochocoleus indibili, Zygadenia viridis, Zygadenia oculata, Zygadenia martinclosas, Zygadenia longicoxa*, and *Zygadenia siniestri* . Three of them are assigned to subfamily Cupedinae: *Priacma sanzii, Anaglyphites zherikhini* , and *Anaglyphites pluricavus*. Placement of genus *Cionocoleus* among subfamily Ommatinae is proposed. These new species extend the record of genera *Zygadenia, Cionocoleus, Brochocoleus, Priacma*, and *Anaglyphites* to the western part of Barremian European deposits. Nowadays the family Cupedidae is considered to be a relic group, restricted to few genera and species on Asia, Africa, Australia, and America, with limited geographical distribution, while during the Mesozoic the cupedids were distributed all over Laurasia. The Mesozoic cupedid-bearing localities are mostly interpreted as warm temperate to subtropical environments.

**Key words:** Coleoptera, Cupedidae, palaeobiogeography, Cretaceous, Barremian, Las Hoyas, El Montsec, Spain.

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