



## Priority of *Geranoaetus* Kaup, 1844 over *Tachytiorchis* Kaup, 1844 (Aves: Accipitridae) based on the first reviser principle

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The generic name *Geranoaetus* Kaup, 1844 (type species: *Falco aguia* Temminck = *Spizaetus melanoleucus* Vieillot) generally has been applied only to its type species, *G. melanoleucus*, although inclusion of fossil species in the genus has been suggested (Wetmore 1933; Amadon 1963). Although *Geranoaetus* is still recognized by some authors (e.g., Thiollay 1994; Remsen *et al.* 2010), others consider it a junior synonym of the genus *Buteo* Lacépède, 1799, because of similarities to some species in that genus (e.g., Wetmore 1933; Hellmayr & Conover 1949; Clark 2006). Recent studies of the molecular phylogenetics of buteonine hawks (Riesing *et al.* 2003; Lerner *et al.* 2008; Amaral *et al.* 2006, 2009) unanimously agree on the lack of monophyly of three buteonine genera, namely *Buteo*, *Leucopternis* Kaup, 1847 and *Buteogallus* Lesson, 1830, as currently recognized (Remsen *et al.* 2010).

To align the classification with evolutionary history, a reorganization of the generic nomenclature of the buteonines was proposed by Amaral *et al.* (2009). Among the proposed modifications was the inclusion of *Buteo albicaudatus*, *Buteo polyosoma* and *G. melanoleucus* in a genus apart from *Buteo*. This decision was based on the monophyly of these three species, a closer relationship of most species of *Buteo* to some species currently included in the genus *Leucopternis* than to these three species (Lerner, *et al.*, 2008; Amaral *et al.* 2009), and shared ecological and morphological characteristics (Thiollay 1994; Ferguson-Lees & Christie 2001). However, the name *Tachytiorchis* Kaup, 1844 (type species *Falco pterocles* Temminck = *Buteo albicaudatus* Vieillot), which was erected in the same work in which the name *Geranoaetus* was first presented, could also be applied to this clade. As first revisers, Amaral *et al.* (2009) assigned the species to *Geranoaetus* instead of *Tachytiorchis* in their online supplemental materials. However, according to the International Code of Zoological Nomenclature (International Commission on Zoological Nomenclature, 1999), that assignment of *Geranoaetus* was not valid because it was published in an online appendix rather than in print. For this reason, we are correcting the problem by acting, in print, as first revisers (article 24.2 and recommendation 24A of the International Code of Zoological Nomenclature) and designating the priority of *Geranoaetus* Kaup, 1844 (Class. der Säuge. und Vögel, page 122) over *Tachytiorchis* Kaup, 1844 (Class. der Säuge. und Vögel, page 123). Thus, as in Amaral *et al.* (2009), we propose that the genus *Geranoaetus* should be expanded to include *Geranoaetus albicaudatus* (Vieillot) comb. nov. and *Geranoaetus polyosoma* (Quoy & Gaimard) comb. nov., in addition to *Geranoaetus melanoleucus*.

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