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Fritziana mitus Walker et al., 2018 (Anura: Hemiphractidae) a recent new species with a long history.

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Recently Walker et al. (2018) describe a new species of *Fritziana* Mello-Leitão, 1937, *F. mitus,* whose distribution included localities of the Brazilian states of São Paulo, Paraná, Santa Catarina and Rio Grande do Sul. This is the species of the genus that occupies the largest geographic area and the only one so far south of the Tropic of Capricorn. The other six species described are known at present from scarce locations to the north (States of Rio de Janeiro, Minas Gerais and Espirito Santo).

The authors present a partial chresonymy (*sensu* Smith & Smith, 1972) in which they include several of the names applied to populations of *F. mitus* in post-1980 publications. However, the species has a much broader previous history.

Charles Darwin (1879) reproduce a letter send to him by Fritz Müller with remarks on a specimen of anuran determined has *"Hylodes*?" from Blumenau, State of Santa Catarina.

Although Darwin does not comment on F. Müller's observations on the amphibian, the characteristics present in the specimen, that is also figurate (see Figure 1 in Darwin, 1879), and its geographical origin leave no doubt about its identity as *F. mitus*. According to the letter of F. Müller, the specimen had been collected in a bromeliad and had counted a total of nine eggs arranged on the back (although in the figure presented there are no well-defined limits between them). This would be the first formally published observation of the female's habit of carrying eggs on the back not only in the species, but in the genus.

Goeldi (1895) republishes the observations and the figure of F. Müller, although assuming that they belong to *Hyla goeldii* Boulenger, 1895 (now *Fritziana goeldii*).

Miranda-Ribeiro (1920) took Müller's observations and cited them again, translated it into Portuguese and also includes the species *goeldii* and *ohausi* Wandolleck, 1907 in a new genus, *Fritzia* (preoccupied and now synonymous of *Fritziana*) honoring the German naturalist in this way.

Later Müller (1924) describes the morphological characteristics of three specimens collected by Wilhelm Ehrhardt from "Humboldt (Flussgebiet des Rio Corvo)" in Santa Catarina, and determined as *Hyla ohausi* (now *Fritziana ohausi*). This citation is included in the synonymic list of *Hyla goeldii* by Cochran (1955).

One of the specimens described by L. Müller is now present in the collections of the Museum für Naturkunde of Berlin (ZMB 68189) and is cited by Gutsche et al. (2007) how *Flectonotus* cf. *fissilis*. These authors also comment that: "The specimen may represent a new species rather than reflect an increasing geographic distribution range of *F. fissilis*, but more samples are necessary for a precise identification". This specimen represents *F. mitus*.

Based in a female specimen (MNHCI 2494) from Limeira, Serra da Prata, Guaratuba municipality, Segalla & Langone (2004) included *Flectonotus ohausi* in the amphibian red list of Paraná and determine that the conservation status of this species was DD (Data Deficient). This citation should also be considered as of *F. mitus*.

A complementary chresonymy to the one presented by Walker *et al.* (2018) and considering the locations that are mentioned in the literature, it would include the following applied names:

- *Hylodes*?: Müller *in* Darwin, 1879:463.
- *Hyla goeldii* (non Boulenger, 1895): Goeldi, 1895:94 (part).
- *Fritziana goeldii*: Beçak, 1968:192; Beçak *et al.*, 1975:30.
- *Fritziana cf. fissilis*: Guix *et al.*, 2000:101; Gutsche *et al.*, 2007:87; Garcia *et al.*, 2007:87 (part).
- *Flectonotus ohausi* (non Wandolleck, 1907): Bertoluci & Rodriguez, 2002:164; Segalla & Langone, 2004:552; Araujo *et al.*, 2013:245; Araujo *et al.*, 2009:198; Verdade *et al.*, 2009:584; Araujo *et al.*, 2010:261; *Forlani et al.*, 2010:280; Rossa-Feres *et al.*, 2011:51; Duellman & Trueb, 2015:fig. 9.8C.
- *Flectonotus fissilis* (non Miranda-Ribeiro, 1920): Pombal & Gordo, 2004:252; Garcia *et al.*, 2007:87 (part); Araujo *et al.*, 2009:198; Rossa-Feres *et al.*, 2011:51; Cicchi *et al.*, 2009:204; Condez *et al.*, 2009:161; Verdade *et al.*, 2009:584; Forlani *et al.*, 2010:280; Araujo *et al.*, 2013:245; Duellman & Trueb, 2015:fig. 9.8A
- *Flectonotus goeldii*: Araujo *et al.*, 2009:198; Rossa-Feres *et al.*, 2011:51.
- *Flectonotus cf. goeldii*: Cicchi *et al.*, 2009:204.
- *Flectonotus sp.*: Cunha *et al.*, 2010:129.
- *Flectonotus aff. fissilis*: Garey & Hartmann, 2012:139.

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