

## Predation on *Scinax littoralis* (Anura: Hylidae) by another treefrog, *Hypsiboas albomarginatus* (Anura: Hylidae)

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**Abstract.** Herein we report predation by the hylid anuran *Hypsiboas albomarginatus* on another hylid anuran *Scinax littoralis*, observed in a remnant of Atlantic Forest in the municipality of Santos, southeastern Brazil.

**Keywords.** Amphibia, Anura, White-edged treefrog, Atlantic Forest.

Amphibians are a relevant component of the trophic chain in natural ecosystems (Haddad et al. 2008). They are preyed upon by a great type of arthropods, such as ants, beetles, water bugs, spiders and crabs, as well as fishes, reptiles, birds and mammals, and even carnivorous plants (Duellman and Trueb 1994; Savage 2002; Toledo 2005). In some cases the predator can be another species of anuran (Pough et al. 2004; Pombal Jr 2007; Haddad et al. 2008).

Herein, we report a case of predation by an anuran on another anuran in the Atlantic Forest, southeastern Brazil. On June 27, 2009, at 08:30 pm, during a fieldwork conducted in the municipality of Santos, São Paulo state, we collected an adult of the White-edged treefrog *Hypsiboas albomarginatus* (63.3mm; 8.5g; Figure 1). The habitat is a remnant of secondary Atlantic Forest with a frog community consisting, in addition to *H. albomarginatus*, of *Dendropsophus berthalutzae*, *Leptodactylus ocellatus*, *Leptodactylus* cf. *marmoratus*, *Rhinella margaritifera*, and *Scinax litoralis* (located at 363815.35 S, 7356198.56 W).

The animal was collected and placed into a plastic bag and transported to the laboratory for analysis. In the next day we observed that the individual had regurgitated a prey already in advance stage of digestion. We identified this item as an adult of *Scinax littoralis* (Figure 1). The predator was deposited in Coleção de Anfíbios da Universidade Estadual Paulista, Rio Claro (CFBH 23918).

Reports on cases of amphibian predation by hylid species are scarce (see Duellman 1978). Only reports of bigger species are available on literature, such as amphibian predations by members of the family Leptodactylidae (e.g. Cardoso and Sazima 1977; Guimarães et al. 2004; Rodrigues and Oliveira Filho 2004; Pombal Jr 2007; Rolim et al. 2009), Ranidae (e.g. McIntyre and Ramanamanjato 1999; Pearl 2000; Cook and Jennings 2001; Pearl and Hayes 2002; Smith and Green 2002; Balfour and Ranlett 2006; Hirai 2006; Rickard 2006; Reis et al. 2007; Hirai and Inatani 2008) and Ceratophryidae (e.g. Wild 2001). This is the first record of a predation of anuran by *H. albomarginatus*, a member of the family Hylidae.

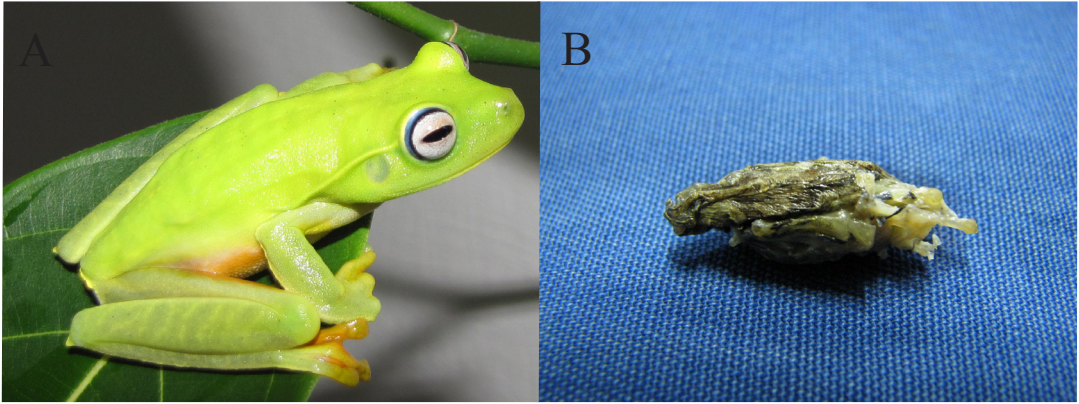
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§ In memoriam



**Figure 1.** The predator *Hypsiboas albomarginatus* (voucher CFBH 23918) (A) and the prey *Scinax littoralis* (B) recorded in a predation event on Atlantic Forest remnant, municipality of Santos, southeastern Brazil.

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