

## The advertisement call of *Haddadus binotatus* (Spix, 1824) (Anura; Craugastoridae)

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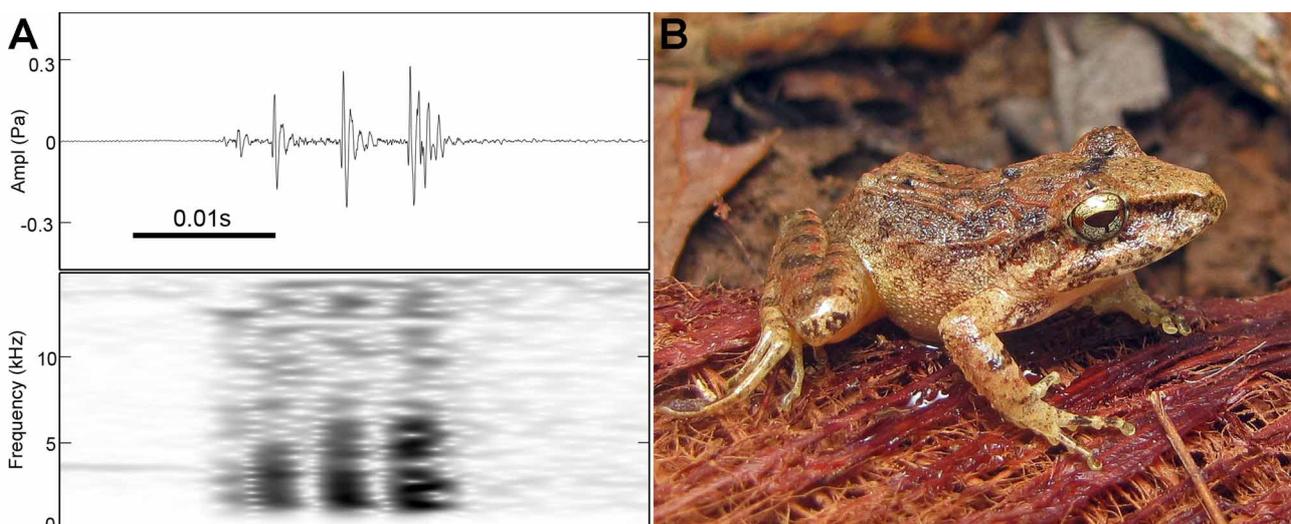
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We describe for first time the advertisement call of *Haddadus binotatus* Spix. This is a widely distributed species in Atlantic Forest of Brazil, occurring from the state of Bahia to the state of Rio Grande do Sul (Haddad *et al.* 2008), where it inhabits the leaf litter of the forest floor (Heyer *et al.* 1990). It is relatively common at the Serra do Brigadeiro mountain, a regional designation of the northeastern portion of the Serra da Mantiqueira mountain range, southeastern Brazil. In the Serra do Brigadeiro, the calling activity of *H. binotatus* comprehends all rainy season, from October to March (Feio *et al.* 2008). Although *H. binotatus* has been described almost two centuries ago, its vocalization is still unknown. The low volume of calls emitted by males, associated with the weather conditions in which they usually call (during the rain), turns difficult the detection of vocalizing individuals, which probably explains the absence of information on calling behavior in this species.

Calls were recorded from a single male (Snout-Vent Length, 24.3 mm) in the southern part of Serra do Brigadeiro mountains, municipality of Rosário da Limeira, state of Minas Gerais, Brazil (20°53'34"S; 42°32'48"W, 1240 m elevation) on 14th December 2011 at 19:45 h, with air temperature ca. 18 °C. The area lies ca. 200 km north of the municipality of Rio de Janeiro, putative type locality of *Haddadus binotatus* according Bokermann (1966).

The calling male was perched on a stick near the ground, inside the forest. At least three other males were calling, at distances of three to five meters from the recorded male, but they were not located. After recording, the calling male was collected, killed with 5% xylocain cream, and preserved in 10% formalin (collection permits given by Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis [IBAMA] #20857-3). The specimen is housed at the herpetological collection of Museu de Zoologia João Moojen, Universidade Federal de Viçosa (MZUFV), under the label MZUFV 11716.



**FIGURE 1.** (A) Oscillogram and spectrogram of the advertisement call of *Haddadus binotatus*. (B) Voucher specimen (MZUFV 11716; SVL 24.3 mm) (Photo J.V.A. Lacerda).