

First record of *Ctenophryne geayi* Mocquard, 1904 (Amphibia: Anura) for the state of Maranhão, Brazil

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ABSTRACT: Herein, we report for the first time the occurrence of *Ctenophryne geayi* Mocquard, 1904 in the state of Maranhão and northeastern region of Brazil, extending its known geographical distribution by ca. 425 km northeast from the nearest locality with known record of the species.

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The genus *Ctenophryne* Mocquard, 1904 contains six species: *C. aequatorialis* (Peracca, 1904), *C. aterrima* (Günther, 1901), *C. barbatula* (Lehr & Trueb, 2007), *C. carpish* (Lehr, Rodriguez, & Córdova, 2002), *C. geayi* Mocquard, 1904 and *C. minor* Zweifel & Myers, 1989 (de Sá *et al.* 2012).

Ctenophryne geayi is a medium sized frog (snout-vent length in males 32.2-43.3 mm and in females 42.4-55.1 mm) found in primary forest with secretive and fossorial habits (Zweifel and Myers 1989; La Marca *et al.* 2010, Segalla *et al.* 2012).

This species is known from Peru (Rodríguez and Duellman 1994; Duellman 2005; Icochea *et al.* 2001; May *et al.* 2008), Ecuador (Duellman 1978), Colombia (Cochran and Goin 1970; Nelson 1973; Lynch 2005), French Guiana (de Massary and Lescure 1998; Kok 1998), Guyana (Zweifel and Myers 1989; Ernst *et al.* 2005; Reynolds and MacCulloch 2012), Suriname (Ouboter and Jairam 2012), Venezuela (Zweifel and Myers 1989; Duellman 1997; Amorós 2004) and the Amazon region in northern Bolivia (Harvey 1998). In Brazil, it occurs in the states of Acre (Souza 2005; Bernarde *et al.* 2011), Rondônia (Bernarde 2007; Bernarde and Macedo 2008), Mato Grosso (São-Pedro *et al.* 2009), Amazonas (Carvalho 1954; Zweifel and Myers 1989; Neckel-Oliveira and Gordo 2004; Lima *et al.* 2006; França and Venancio 2010; Waldez *et al.* 2013; Prudente *et al.* 2013), Tocantins (Pavan and Dixo 2002-2004) and Pará (Mendes-Pinto and Souza 2011; Bernardo *et al.* 2012; Pinheiro *et al.* 2012).

During fieldwork in the biological reserve the Gurupi, Bom Jardim municipality, conducted between

december/2012 and march/2013, three specimens adult were collected of *Ctenophryne geayi* (Figure 1) as a result of the implementation of the project “Survey of Herpetofauna” at this conservation unit (ICMBio-SISBIO 36669-1). Specimens were captured using pitfall traps with 40 buckets (60 liters), placed in a forest in the biological reserve the Gurupi (04°00’20” S, 46°46’41” W) (Figure 2). Specimens were killed and fixed in accordance with guidelines of the American Society of Ichthyologists and Herpetologists and were deposited in the Herpetological Collection of the Universidade Federal Rural de Pernambuco (CHP-UFRPE 1820, 1859–1876).

Despite being widely distributed throughout the Amazon, records of *Ctenophryne geayi* are absent from many inventories in this vast region, probably, due to their



FIGURE 1. *Ctenophryne geayi* (CHP-UFRPE 1820) collected in the Biological Reserve of Gurupi, Maranhão, Brazil (Photo by Marco Antonio de Freitas).

fossorial and secretive habits. This record is the first for the state of Maranhão, and the first for the northeastern region of Brazil, extending the known distribution of the

species by more than 425 kilometers northeast from the nearest locality, in the Reserva Biológica de Tapirapé, Pará (Bernardo *et al.* 2012).

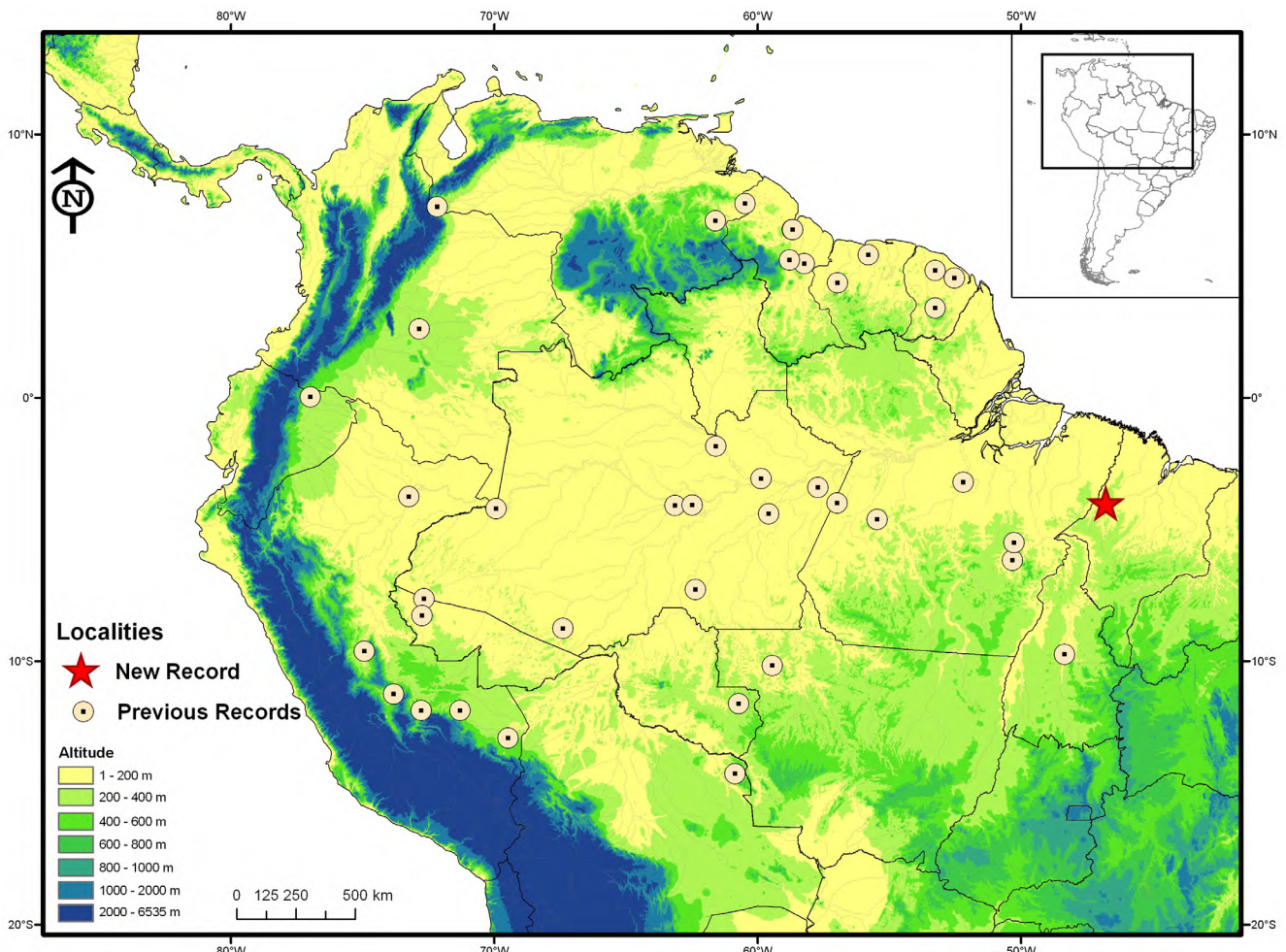


FIGURE 2. Map of the known distribution of *Ctenophryne geayi*. Records from the bibliography indicated by orange dots and the new locality by a red star.

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