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A new species of Rock-Dwelling *Scinax* Wagler (Anura: Hylidae) from Chapada dos Veadeiros, Central Brazil

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Abstract

A new species of the *Scinax ruber* clade is described from Chapada dos Veadeiros region, Central Brazil. The new species is diagnosed by having SVL 21.9–27.7 mm in males and 26.7–31.7 mm in females; snout acuminate in dorsal view and rounded in profile; medium-sized tympanum; vocal sac single, median, subgular, that does not reach the pectoral region; iris iridescent yellow, with some thin, darker reticulations; tadpoles with ventral oral disc; P-3 regular and unmodified as a labial arm; absence of keratinized and colored plates on the sides of the lower jaw-sheath; presence of a keratinized and colored spur on each side behind the lower jaw-sheath; dorsolateral eyes, ventrally invisible; and advertisement call composed of 8–14 notes each with 4–18 pulses, and duration of 290–420 ms. The new species uses temporary creeks in rock meadows above 1.000 m a.s.l. and males calls from rock outcrops. The dorsal color pattern enables this species to camouflage in this kind of surfaces.

Key words: *Scinax rupestris* sp. nov., advertisement call, tadpole, brazilian Cerrado, rock-bed rivulets, morphology, taxonomy

Introduction

Scinax Wagler comprises the most species rich genus of neotropical hylid frogs, with 112 described species (Frost 2014), ranging from Mexico to Central Argentina. The genus comprises two large clades (Faivovich 2002; Faivovich *et al.* 2005), the *S. catharinae* and the *S. ruber* clades. The former comprises 44 species that occur mostly in the Atlantic Forest of SE Brazil, with a few occurring as well in similar habitats in central-eastern Brazil and reaching southwards central-eastern Argentina. Several species of this clade reproduce on streams or headwaters (species in the *S. catharinae* group; e.g. Duellman & Wiens 1992; Pombal & Bastos 1996; but see Faivovich 2002 for a few exceptions) or on bromeliads (the *S. perpusillus* group; Peixoto 1986). The *S. ruber* clade comprises 66 species ranging between Central Argentina and Mexico. These occupy diverse habitats, including both open and forested areas, and most frequently reproduce on temporary or permanent lentic water bodies (e.g. Duellman 1970; Cardoso & Sazima 1980; Pombal *et al.* 1995a). The study of specimens collected during the 1970s by the late Werner C.A. Bokermann in Chapada dos Veadeiros, Central Brazil, and recent fieldwork on that locality lead to the discovery of a new species of the *S. ruber* clade that calls from stones along rivulets and streams, and it is described here.

Material and methods

Adult specimens were fixed in 10% formalin and stored in 70% ethanol. Webbing formula follows Savage & Heyer

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APPENDIX 1. Adult specimens examined.

Scinax baumgardneri: KU 129753 (paratype). *S. cabralensis*: MNRJ 42884, 42888 (paratypes). *S. danae*: KU 167089–167090 (paratypes). *S. exiguus*: KU 167118, 167121 (paratypes). *S. karenanneae*: UTA-A 3768–3769 (paratypes). *S. lindsayi*: UTA-A 4301, 4303 (paratypes). *S. wandae*: KU 131717(paratype).