Currently, the genus *Chiasmocleis* is composed of 25 species distributed in Panama and tropical South America, north and east of the Andes (Frost 2011). Twenty species (80%) occur in Brazil (SBH 2011) but, for many of the known species, data on geographic distribution and biology are scarce (Sampaio *et al.* 2010). *Chiasmocleis avilapiresae* (Figure 1A) and *C. bassleri* (Figure 1B) are small-sized frogs that inhabit the Amazon Basin, south of the Amazon River (Peloso and Sturaro 2008; Santana *et al.* 2009; Barro *et al.* 2010; Sampaio *et al.* 2010; Frost 2011).

On December 2009/2010 and February and March 2011 several individuals of *C. bassleri* and *C. avilapiresae* were found vocalizing in a gallery forest on the margins of Juruena River (9°51'17.3" S, 58°13'14.0" W) or on the edge of a temporary pond inside a tropical “Terra Firme” forest. On 14 December 2009 several individuals were found vocalizing on the soil inside a primary rainforest near the margins of Juruena River. In this same date and in December/2010 and March and May/2011 several individuals were found collected in a pitfall trap located in the left margins of the Juruena River. These records are similar to those of Barros *et al.* (2010), where both species were found in primary forest or in clearings/pastures (Peloso and Sturaro 2008). These frogs usually occur near isolated pools, under leaves or pieces of bark (Barros *et al.* 2010). According to Peloso and Sturaro (2008) and Sampaio *et al.* (2010), both species are sympatric in Espigão do Oeste, state of Rondônia; Itaituba, state of Pará; Aripuanã and Cotriguaçu (in this study), state of Mato Grosso, Brazil.

The males call from under wet leaf litter near the pond’s edge. The calling activity began at sunset, extending until the middle of the night. Adult males of *C. avilapiresae* measured 19.17 ±1.7 (mean ± standard deviation) mm snout-vent length (18.21–20.14; n = 2), and females...
measured 27.35 ± 4.0mm (21.72–33.57; n = 10). Adult males of *Chiasmocleis bassleri* measured 17.93 ± 2.17mm (14.84–20.11; n = 7) and females measured 23.50 ± 1.35mm (21.25–25.54; n = 8). Voucher specimens reported in this note are housed in the herpetological section of the Biologic Collection of Meridional Amazon (ABAM – H), of the Federal University of Mato Grosso (UFMT), campus Sinop-MT, Brazil (*C. avilapiresae* ABAM – H 139, 140, 245, 246, 250, 263, 340, 353, 491 – 493; *C. bassleri* ABAM – H 127, 222, 223, 232, 244, 247, 262, 268-271, 276, 420, 494, 524, 538; collection permits #10174-1, Sistema de Autorização e Informação em Biodiversidade, SISBIO; Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis, IBAMA). They were euthanized with barbiturates according to Guidelines for use of live amphibians and reptiles in field and laboratory research normalized by American Society of Ichthyologist and Herpetologist. Tissue samples of these voucher specimens are deposited in the ABAM.

This new record extends the distribution of *C. avilapiresae* to the south of the Brazilian Amazon, approximately 1170 km (Figure 2) from the type-locality (Floresta Nacional de Caxiuanã, municipality of Portel, state of Pará, Brazil 01°59’ S, 51°39’ W) and 140 km from the nearest known locality (Aripuanã, MT, Brazil; 09°10’ S, 59°28’ W; Figure 2) and more than 1350 km from the type-locality (Rio Utoquinia to Rio Tapiche, Peru, approximate locality due to the absence of geographic data in the species description).

*Chiasmocleis avilapiresae* can be confused with *C. bassleri*, but differs from it by its larger size and extensive foot webbing in males. Dunn (1949), in the description of *C. bassleri*, mentioned free toes and the abdomen with five large dark spots (for more information see Peloso and Sturaro 2008 and Sampaio et al. 2010). The lateral region of *C. bassleri* is well defined and demarcated (Figure 1B), but it is irregular in *C. avilapiresae* (Figure 1A). A dark inguinal spot absent in *C. avilapiresae* (Figure 3A) is present in *C. bassleri* (Figure 3B). The cloacal region and posterior surface of the thigh is dark brown with a transverse white line on each side in *C. avilapiresae* (Figure 3A) and absent in *C. bassleri* (Figure 3B).

**Figure 2.** Known distribution of *Chiasmocleis avilapiresae* (black square) and *C. bassleri* (black circle) in Amazonia and in the São Nicolau Farm, Municipality of Cotriguaçu, Mato Grosso, Brazil (Red triangle for both species found in Cotriguaçu). Type-locality of *C. avilapiresae* (blue square) Floresta Nacional de Caxiuanã, municipality of Portel, Pará, Brazil; 09°51’17.3” S; 58°13’14.0” W, Mato Grosso, Brazil (Red triangle for both species found in Cotriguaçu). Type-locality of *C. avilapiresae* (blue square) Floresta Nacional de Caxiuanã, municipality of Portel, Pará, Brazil; 09°51’17.3” S; 58°13’14.0” W, Mato Grosso, Brazil (Red triangle for both species found in Cotriguaçu). Type-locality of *C. bassleri* (blue circle) Rio Utoquinia to Rio Tapiche, Peru, near Brazil (10°04’ S; 70°58’ W).

**Figure 3.** External morphological differences between *Chiasmocleis avilapiresae* and *C. bassleri*. A dark inguinal spot absent in *C. avilapiresae* (Figure 3A) and present in *C. bassleri* (Figure 3B). Cloacal region and posterior surface of thigh dark brown with a transverse white line on each side in *C. avilapiresae* (Figure 3A) and absent in *C. bassleri* (Figure 3B). Photos by R.A. Kawashita Ribeiro.

*Chiasmocleis avilapiresae* and *C. bassleri* are currently classified as Least Concern by the 2010 IUCN Red List of Threatened Species (Peloso 2009; Icochea et al. 2004, respectively). Unfortunately, some localities where the species were recorded (e.g. municipality of Aripuanã and Cotriguaçu) have been suffered significant habitat changes and fragmentation. Monitoring the population of these two species and conducting inventories in other parts of the Amazon is necessary due to constant environmental changes occurring in the region, as deforestation (Rodrigues et al., 2011a, b).
AKNOWLEDGMENTS: We are grateful to Roberto Stofel and Alexandre do Nascimento Farias for field assistance; to Anne D’Herel-Baldissieri for English review; to an anonymous reviewer for valuable comments and suggestions on the manuscript; to São Nicolau farm for logistic support, and to the Oficio Nacional das Florestas – ONF-Brazil for financial support and permission to access the study area. Domingos de Jesus Rodrigues thanks CNPq for the Bolsa de produtividade em Pesquisa (Process n. 501408/2009-6) and financial support (Processo N. 558225/2009-8) and Janaina da Costa de Noronha thanks CAPES (fellowship). Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis (IBAMA) provided collection permits. This is publication 13 in the NEBAM technical series.

LITERATURE CITED


Received: October 2011
Revised: November 2011
Accepted: November 2011
Published Online: December 2011
Editorial Responsibility: Fernanda P Werneck