

## Scientific Note

**Notes on the distribution of *Trechalea boliviensis* Carico, 1993  
(Araneae, Lycosoidea, Trechaleidae) in Brazil****Estevam Luís Cruz da Silva<sup>1</sup>**

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**Abstract.** The distribution of *T. boliviensis* is first recorded in some localities of Brazil, such as; Amazonas, Paraná and Rio Grande do Sul. This new information regarding this species distribution shows a wide range of occurrence. Notes of variance of the males and female body size were noted.

**Key words:** spiders, distribution, Neotropical region.

**Resumo.** Notas sobre a distribuição de *Trechalea boliviensis* Carico, 1993 (Araneae, Trechaleidae) no Brasil. A distribuição de *Trechalea boliviensis* é registrada pela primeira vez em localidades do Brasil, como: Amazonas, Mato Grosso, Paraná e Rio Grande do Sul. Esta nova informação sobre a distribuição desta espécie, indica que esta apresenta uma ampla área de ocorrência. A variação do tamanho corporal de machos e fêmeas foi registrada.

**Palavras-chaves:** aranhas, distribuição, região Neotropical.

The spider family Trechaleidae Simon, 1890 presents a wide distribution, from Northern USA to Southern Brazil (PLATNICK, 2007). The members of this spider family usually occur near to bodies of freshwater (CARICO, 1993).

*Trechalea boliviensis* was described by CARICO (1993), the holotype is a male collected in Departament of Beni, in Bolivia; other material also examined by CARICO were from Peru.

The objective of this work is to register the new geographical distribution range of *T. boliviensis* from material deposited in Brazilian collections.

After the careful examination of 51 specimens (17 males; 34 females) belonging to the following institutions: MUSM, Museo de Historia Natural of Universidad Nacional Mayor de San Marcos (D. Silva-Dávila); IBSP, Instituto Butantan, São Paulo (A.D. Brescovit), MCN, Museu de Ciências Naturais, Fundação Zoobotânica, Porto Alegre (E.H Backup) and MHCI, Museu de História Natural "Capão da

Imbuia", Paraná (J. de Moura Leite) the occurrence of this species is recorded for the first time to some localities in Brazil, like, Amazonas, Mato Grosso, Paraná and Rio Grande do Sul (Fig. 1) and the geographical distribution is enlarged.



Figure 1. Map with the distribution of *Trechalea boliviensis* in Brazil.

*Trechalea boliviensis* CARICO, 1993: 252, figs. 65-68, map 3 (male holotype from Bolivia, Department of Beni, 8-14.XI.1989, J. Coddington *et al.* col., deposited in the Instituto de Ecología, La Paz, Bolivia). (not examined). PLATNICK, 2006.

**Distribution.** Bolivia, Peru, Brazil (Amazonas, Mato Grosso, Paraná, Rio Grande do Sul).

**Adicional records.** PERU. **Madre de Dios:** Zona Reservada Pakitza (11°56'S; 71°17'W; 356m), @&, 04.V.1991, D. Silva col. (MUSM); **Loreto:** Pithecia, B&, @&, 07-15.V.1990, T. Erwin & D. Silva col. (MUSM); Panguana, 2 B&, @&, 1988, C. Manhart col. (MCN 19402); BRASIL. **Amazonas:** Manaus, Reserva Florestal Adolfo Ducke, B&, 14-23.VIII.1991, A.D. Brescovit col. (MCN 21444), Ilha da Marchantaria, 2 B&, VIII.1999, G.F. Dutra & A.J. Santos col. (IBSP 36213, 39933); **Mato Grosso:** Anaurilândia (Usina Hidrelétrica Engenheiro Sérgio Motta), 5 B&, 24 @&, 15.XI-23.XII.1999, Equipe IBSP col. (IBSP 23352, 23467, 23468, 23491); **Paraná:** Fênix, B&, 24.XI.1986, Equipe PROFAUPAR col. (MCN 20317); Guaíra, @&, II.1947, Bolfregue col. (MHCI 4485); **Rio Grande do Sul:** Derrubadas, Parque Estadual do Turvo, 5 B&, 23 @&, 11-18.I.2002, Equipe BIOTA col. (IBSP 52636, 52637, 52639, 52640, 52640, 52641, 52642, 52643, 52644, 52645, 52646).

#### Remarks

The Brazilian territory is rich of fluviatic systems and there are no geographical barriers, this fact could explain the wide distribution of a spider species that were first described for Bolivia, in Brazil. The main problem regarding the collection of Trechaleidae species is that many Arachnologists or spider collectors do not easily access the areas of occurrence of these spiders. The collecting technique required to sample this kind of spiders, needs a suit to get them in the water, like the one used by fishermen, and an entomologic net to capture the specimens.

Measurements of the species described by CARICO (1993) presented a variation of the female carapace length and width of 4.2 to 4.5 mm and the males were at 3.7 to 4.2 mm. The specimens collected in Amazonas, Mato Grosso, Paraná and Rio Grande

do Sul presented a variance of carapace in males of 3.9 to 4.4 mm (N=17) and in females a variance of 4.3 to 4.7 mm (N=34).

The female dorsal's pattern and ocular region was photographed in the stereomicroscope ZEISS Stemi SV 6 with a digital camera connected to the device. Also the dorsal pattern of coloration of the males and females matches perfectly with the drawings of CARICO (1993) (Fig. 2).

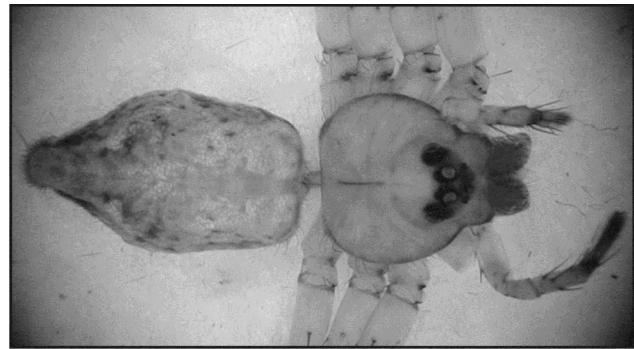


Figure 2. Dorsal view of a female of *Trechalea boliviensis* Carico, 1993 (IBSP 52636) from Derrubadas, Rio Grande do Sul, Brazil.

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