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NOTA

PREDATION OF LIOLAEMUS
HUACAHUASICUS (SQUAMATA:
IGUANIA: LIOLAEMINI) BY
BRACHISTOSTERNUS
INTERMEDIUS (SCORPIONES:
BOTHRIURIDAE) IN CUMBRES
CALCHAQUIES, TUCUMÁN
PROVINCE, NORTHWESTERN
ARGENTINA

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Scorpions are often acknowledged as preying on lizards and other small squamates (Bauer, 1990; McCormick and Polis, 1990), but observations of predation are relatively rare under natural conditions. Large scorpions, such as Centruroides exilicauda have been reported to eat Phyllodactylus sp. (leaftoed geckos), Parabuthus villosus prey on Pachydactylus rangei (palmate desert geckos), Hadrurus sp. feed on Leptotyphlops humilis (western blind snakes), and similar interactions have been reported for other scorpion-vertebrate pairs (McCormick and Polis, 1990).

In the course of a herpetological survey of the summit of the Cumbres Calchaquíes Mountains, on a rocky outcrop facing south east, near Provincial Road 352 (26°22'45.7"S, 65°43'54.7"W, 3612 m), 38.3 km W Hualinchay, Trancas Department, Tucumán Province, on 16 Dec-

ember 2009 at ca. 1500, we found an adult male scorpion (Brachistosternus intermedius) under a rock holding with the chelae and eating the remains of a neonate lizard (posterior midbody, missing tip of tail) (Fig. 1). We identified the remnant carcass as Liolaemus huacahuasicus with an estimated snoutvent length (SVL) of 30 mm and a tail length (TL) of 75 mm. Voucher specimens were housed in the herpetological collection LJAMM-CNP of the Centro Nacional Patagónico (CENPAT-CONI-CET), Puerto Madryn, Chubut, Argentina (LJAMM-CNP 13170). Liolaemus huacahuasicus is a medium-sized (SVL = 76 mm), viviparous, and insectivorous lizard inhabiting the Puna habitats of Cumbres Calchaquies Mountains, in Catamarca and Tucumán provinces, Argentina (Cei, 1993). Brachistosternus intermedius is a small scorpion that ranges from southwestern Bolivia to northwestern Argentina from 2500-4000 m (Ojanguren Affilastro, 2003); nothing is known about its natural history.

At the time of our finding, numerous neonates of *Liolaemus huacahuasicus* were observed, sometimes in groups of two or three individuals together under rocks of different sizes, and usually with an adult female. According to Halloy and Hallov (1997) at the beginning of the summer (late December), females give birth to 4-8 young after 8-10 months of gestation. The scorpion was found in a tunnel beneath the rock eating the neonate L. huacahuasicus. There was another live neonate lizard at the end of the tunnel. During periods of food shortage, scorpions consume fewer, smaller prey, whereas during periods of food abundance, scorpions consume the most abundant prey available (McCormick and Polis, 1990). Given the abundance of juvenile lizards at this site during our surveys, neonate L. huacahuasicus likely constitute a common prey for scorpions when they are

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born each summer. To our knowledge, this is the first record of presumed predation of *L. huacahuasicus* by a scorpion (*Brachistosternus intermedius*).

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Figure 1. Brachistosternus intermedius and the remains of a neonate Liolaemus huacahuasicus found under a stone at the summit of the Cumbres Calchaquíes Mountains, Tucumán Province, Argentina. Photograph by C. H. F. Perez.