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SVL and weight were measured with a standard metric tape and an electronic balance. The individuals were photographed ex-situ indoors, and euthanized under the permission granted by the pertinent authority. The voucher specimens (Female 1: HEPO0916; Female 2: HEPO0917; Male 1: HEPO0915) were deposited in BORNEENSIS, the Bornean reference collection of the Institute for Tropical Biology and Conservation, Universiti Malaysia Sabah. The two females represent the new maximum S VL for *P. misera*.

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**KUEH BOON-HEE** (e-mail: kbbkelvin@hotmail.com), **ELANGKUMARAN S/O SAGTIA SIWAN** (e-mail: ela_jeevan@yahoo.com), **NORASMIL ISMAIL** (e-mail: norasmailismail@yahoo.com.my), **JUELBER ALBERT** (e-mail: juelberalbert@gmail.com), **CINDY LAU EN SHING** (e-mail: cindyexni@hotmail.com), and **VYNER BAYANG ANAK NGINDANG** (e-mail: peace87fe@yahoo.com), Institute for Tropical Biology and Conservation, Universiti Malaysia Sabah, Jalan UMS, 88400 Kota Kinabalu, Sabah, Malaysia.

**PHYSALAEMUS GRACILIS** (Graceful Dwarf Frog). **DEFENSIVE BEHAVIOR.** Many animal lineages independently developed different defensive behaviors in response to the presence of visually oriented predators (Bortoluci et al. 2007. Alytes. 25:38–44). Among anurans, defensive behaviors are divided into 30 categories (Toledo et al. 2011. Ethol. Ecol. Evol. 23:1–25), among them, the stiff-legged behavior (Sazima 1978. Biotropica 10:158). In this type of behavior the animal is motionless, with body flattened and legs stretched out (Costa et al. 2009. Herpetol. Notes 2:227–229). This behavior has been little reported anurans, comprising less than 5% of observations (Toledo et al. 2011, op. cit.). However, the behavior has been reported in Bufonidae (Dendrophryniscus leucomystax, D. brevipollicatus, D. berthalutzae), Brachycephalidae (Euparkerella cochranei), Cycloraphidiidae (Proceratophrys boiei, P. appendiculata, P. melanopogon, Zaches nus parvulus), Leptodactylidae (Paratelmatobius poecilogaster, Scythrophrys sawayae) and Microhylidae (Arcovomer passarellii, Ceratophyne geyri, Stereocyclops parkeri, S. incassatus) (Toledo et al. 2011, op. cit.; Tonini et al. 2011. Herpetol. Notes 4:435–444). Physalaemus gracilis is possibly a complex of more than one species (IUCN 2012. IUCN Red List of Threatened Species. http://www.iucnredlist.org/amazing-species). It dwells in forest borders and Cerrado grasslands in Brazil, Paraguay, Uruguay, and Argentina, and is strongly adapted to disturbed and polluted environments (Frost 2011. http://research.amnh.org/vz/herpetology/amphibia/; IUCN 2012. IUCN Red List of Threatened Species. http://www.iucnredlist.org/amazing-species). On 11 Jan 2010 at 2000 h., we observed defensive behavior by a *P. gracilis* upon capture. After being manually captured and released moments after on the ground, the frog remained still with its legs stretched during more than 3 minutes (Fig. 1). The observation occurred in a temporary pool in an urban street in the town of Xangri-lá, north coast of the state of Rio Grande do Sul, Brazil (29.4712°S, 50.0143°W). Although other kinds of defensive behaviors have been observed in the Leiuperidae (Toledo et al. 2010. J. Nat. Hist. 44:1979–1988), our report is the first case of the stiff-legged defensive behavior for this family.

**SABINE BORGES DA ROCHA** (e-mail: sabineborges@hotmail.com) and **FERNANDO IBANEZ MARTINS**, Universidade Federal de Mato Grosso do Sul, Programa de Pós-graduação em Biologia Animal, 79070-900, Campo Grande, MS, Brazil.

**RHINELLA SCHNEIDERI** (Rococo Toad). **BREEDING SITE.** Rhinella schneideri is a giant toad (210 mm maximum S VL) occurring in the xeric regions of Bolivia, Argentina, Paraguay, and Brazil (Ce i 1980. Zool. Ital. Monogr. 2:1–609). Relatively little information is available on its breeding site associations. In soybean farmlands in Argentina, *R. schneideri* was found to occur around larger ponds that contained high diversity of vegetation along the pond’s shore (Peltzer et al. 2006. Biodiv. Cons. 15:3499–3513). The association with vegetative structure is likely the result of its reproductive mode; it deposits its eggs in long gelatinous strings that are attached to aquatic plants (Ce i 1980, op. cit.; Perotti 1997. Rev. Chil. His. Nat. 70:277–288). Observations on the reproductive biology of this species in other parts of its range are lacking. Here we describe a breeding site of *R. schneideri* in the Bolivian Gran Chaco.

While crossing the Parapeti River on 29 January 2011, we heard a chorus of three *R. schneideri* calling from a temporary pond located within the riverbed outside the community of Rancho Viejo, Cordillera Province, Santa Cruz Department, Bolivia (19.4405°S, 62.53694°W; WGS 84). This pond had most likely been formed by the floodwaters of the river, which had receded when we had crossed it. The next day we returned to the pond which was ca. 200 m from the nearest forest cover, and observed hundreds of *R. schneideri* tadpoles swimming within the pond. We did not observe any recently oviposited egg strands. The pond, which lacked both vegetative and woody debris structure, was ca. 13 m long, and 5 m wide with a substrate comprised entirely of sand. We also observed larval odonates (Corduliidae) within the pond.

The breeding site used is not consistent with previous reports documenting *R. schneideri*‘s high affinity for breeding ponds with high aquatic and shoreline vegetation, as any sort of habitat structure was absent in this pond. While habitat structure was lacking, the pond’s isolation may provide an amenable environment for the tadpoles of *R. schneideri*; the predator abundance and diversity was reduced as compared to other temporary ponds in the

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**Fig. 1.** Physalaemus gracilis from Rio Grande do Sul, Brazil displaying the stiff-legged defensive behavior.

Herein, I report the spider *P. nigriventer* preying upon *Scinax fuscovarius*. During a herpetofaunal survey conducted on 30 May 2010 in a riparian forest near the Mogi-Mirim River (municipality of Conchal, state of São Paulo, southeast Brazil), I observed an adult *P. nigriventer* (31.2 mm cephalothorax + abdomen length) capturing an adult *S. fuscovarius* (26.1 mm SVL) on a road (disturbed sandy soil, with some holes and roots mixed with the ground, for maintenance of a small dirt road), following the edge of the riparian forest 10–15 m distant from the river margin. I observed the scenario just when the spider inserted its chelicerae into the frog’s body along the side. The frog attempted to escape but became paralyzed a few minutes later. The predation (Fig. 1) was observed at night (2005 h), during peak activity of both species, in secondary Atlantic Forest (22.273822°S; 47.1866472°W; 579 m elev.). The weather was windy and cloudy; air temperature was 19.2°C; humidity 85.8%. I also observed ca. 30 *S. fuscovarius*, randomly distributed around and near the predation site, although none were heard calling. Approximately 15 *P. nigriventer* were also observed. I observed this event until the moment the spider started to handle the freshly dead frog and to walk in direction to a nearly hole/crevice in the soil, probably its shelter. To ensure vouchers, I then captured both individuals: *S. fuscovarius* was deposited at Coleção de Anfíbios “Célio F. B. Haddad” at UNESP, Rio Claro, Brazil - CFBH 32635, and the spider had been deposited at Butantan Institute, Brazil, but was unfortunately lost in an accidental fire in July 2010. Although this is the first predation record by *P. nigriventer* upon *S. fuscovarius*, considering the nocturnal habits and relatively high local densities for both species, the encounter and predation between these species is likely frequent.

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RAFAEL P. BOVO, Departamento de Zoologia, IB, Universidade Estadual Paulista “Júlio de Mesquita Filho,” Avenida 24-A, 1515, CEP13506-900 Rio Claro, SP, Brazil; e-mail: rpbovo@yahoo.com.br.

SCINAX SQUALIROSTRIS (Striped Snouted Treefrog). PREDATION. Predation is an important cause of amphibian mortality, and many cases of predation by spiders are found in the literature (Menin et al. 2005. Phyllomedusa 4[1]:39–47). The neotropical hylid frog *Scinax squalirostris* occurs from central and southeastern Brazil to northeastern Argentina, including Uruguay and southeastern Paraguay. Herein, we report the predation on this species by a spider. On 22 June 2006, at 2130 h, in the municipality of Vaccaria, State of Rio Grande do Sul, Brazil, a *Phoneutria nigriventer* (Ctenidae) was observed preying on an adult male *Scinax squalirostris* (24 mm SVL) on a 40-cm leaf of *Paspalum eckaltatum* (Poaceae) at a permanent pond. The spider (cephalothorax 1.2 mm x 8.3 mm) held the hylid with the chelicerae penetrated into its head, but released it when disturbed. The *P. nigriventer* was deposited in the spider collection of Museu de Ciências Naturais, Fundação Zootômica do Rio Grande do Sul (MCN 42600), and the *S. squalirostris* is deposited in the herpetological collection of Departamento de Zoologia, Universidade Federal do Rio Grande do Sul (UFRGS 5676).

LUIS FERNANDO MARIN DA FONTE (e-mail: pulchella@gmail.com) and GABRIELE VOLKMER (e-mail: gabrielevolkmer@gmail.com), Laboratório de Herpetologia, Departamento de Zoologia, Instituto de Biociências, Universidade Federal do Rio Grande do Sul (UFRGS), Av. Bento Gonçalves 9500, prédio 43435, sala 102, Porto Alegre, Rio Grande do Sul, Brazil, CEP 91501-970.

SCINAX SQUALIROSTRIS (Striped Snouted Treefrog), SCINAX AROMOTHYLLA. MORBID EMBRACE. The neotropical hylid *Scinax squalirostris* occurs from central and southeastern Brazil region (Schalk, unpubl. data) and there were no other species of tadpoles co-occurring in the pond. Body size is generally positively correlated with vagility in amphibians (Duellman and Trueb 1986. Biology of Amphibians. McGraw Hill, New York. 610 pp.), thus the larger bodied *R. schneideri* may be able to make the long forays to these riverbed pools allowing them to exploit these ponds.