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PALEOSUCHUS TRIGONATUS (Dwarf Caiman). NEONATE TIME BUDGET. Natural history of forest-dwelling animals is often poorly understood because of the difficulties in observing them. Further, studying neonates can be especially difficult as their small size and cryptic nature limits field observation (Morafka et al. 2000. Herpetol. Monogr. 14:353–370). Dwarf caiman, Paleosuchus trigonatus, are no exception to this pattern. Few studies have dealt with their natural history (Magnusson et al. 1991. J. Herpetol. 25:41–48; Rivas et al. 2001. Herpetol. Rev. 32:251), and none have addressed neonate behavior. Here, we present preliminary observations on the behavior of neonate P. trigonatus in a creek in the Tiputini River (Amazonian Ecuador) during March 2000.

On 30 September 1999, we discovered a P. trigonatus nest in a low stature, seasonally-flooded varzea forest 4.5 m from the base of a tree from a small creek. Based on finding eggshells characteristic of recent hatching, at least 12 neonate dwarf caiman are thought to have emerged from this nest on 27 November 1999 (Rivas et al., op. cit.). Five neonate dwarf caiman (mean total length = 30.6 cm, range: 29.9–32.8; mean mass = 103 g, range: 85–120 g) found 19 March 2000 in a small stream (mean width = 1.6 m, mean depth = 0.2 m < 50 m away are believed to have originated from this nest. To study the time budget and behavior of these neonates, we conducted night observations from 1900 to 0600 the next day. During night observation periods, we recorded the behavior of as many neonates as we could find. We found 4, 2, and 1 neonate dwarf caiman, respectively, on 22, 29, and 30 March 2000. As we did not handle the animals prior to observations, we were unable to determine whether we saw the same animals on different nights; we pooled all data across nights for analysis. We recorded data every 10 min on each animal (using their eyeshine) by turning on a dim flashlight for a brief (5–10 sec) interval. The neonate's head position relative to the water surface (as low [eyes barely showing], intermediate [upper but not lower jaw above waterline] or high [lower jaw at least partly out of water]) and its distance from shore/water edge (cm) was recorded at each interval. We also estimated height over the water (in m) of the lowest plant that directly overhung each caiman, potentially concealing it from possible predators. If an animal was present early in the night and disappeared from one observation interval to the next, we assumed that it was hiding or under the water. We were monitoring a long (ca. 30 m) stretch of creek and neonates were unlikely to have moved out of the area.

We made 410 observations of neonate *P. trigonatus*. Neonates spent most of their time (91%; N=266) within 0.5 m of shore; relatively little time was spent mid-stream far from the bank. Neonate *P. trigonatus* were also found beneath relatively low overhanging vegetation (i.e., within 1 m of the water surface) 62% (N=190) of the time, which may indicate selection for relatively sheltered areas. Neonate dwarf caiman were immobile in 51% (N=206), out of sight (probably immobile as well) in 27% (N=112), and active in only 22% (N=91) of the observations. Neonates changed locations between observations more often before 2300 and were more frequently concealed after 0200. Most of the time

(83%; N = 246), neonate *P. trigonatus* held their heads high. Holding the head elevated has been associated with territorial behavior in caiman (Verdade 1999. Herpetol. Rev. 30:38–39). Lack of aggregation among neonates, a feature of clutch pods among many crocodilians; lack of distress calls during our periods of observation; and absence of adult dwarf caiman reported previously for this creek (Rivas et al., *op. cit.*) collectively suggests that the neonates we observed may already be on their own, implying that parental protection in this species, if it exists, is short-lived.

During the two months that we spent surveying caimans in the area, we did not detect any other dwarf caiman of a size similar to these neonates in the Tiputini River. However, we regularly saw juvenile (< 20 cm SVL) spectacled caiman (Caiman crocodilus) and larger dwarf caiman (≥ 40 cm SVL) using the main river. Neonate dwarf caiman may rear in small forest streams with dense forest vegetation because they gain greater protection from predators in such habitat. If true, deforestation of small forest streams, like this one, may seriously impact the survival of neonate dwarf caiman.

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## **LACERTILIA**

ANOLIS PORCATUS (Cuban Green Anole). NECTIVORY. Anolis porcatus is a moderate-sized Cuban anole that has become established in Miami-Dade County, Florida (Meshaka et al. 1997. Herpetol. Rev. 28:101–102). In its native habitat, A. porcatus is known to eat insects, particularly odonates (Schwartz and Henderson, 1991. Amphibians and Reptiles of the West Indies: Descriptions, Distribution, and Natural History. Univ. Press of Florida. 720 pp.). Further, Meshaka et al. (op. cit.) reported a varied invertebrate diet and occasional consumption of smaller lizards and fruit for introduced A. porcatus in Florida, but nectivory is undocumented. Nectivory has been recorded in three other anoles, A. consperus, A. stratulus, and notably A. carolinensis (which is closely related to A. porcatus). The latter reportedly consumes the nectar of two native palms, Serenoa repens and Sabal palmetto, in central Florida (Campbell and Bleazy 2000. Herpetol. Rev. 31:239). Herein, I document the first report of nectivory in A. porcatus introduced to Florida.

At 1135–1141 h on 9 May 2002, I observed an adult male *A. porcatus* lapping nectar from and consuming the blossoms of an ornamental areca palm (*Chyrsalipedocarpus lutescens*) in a yard near SW 162<sup>nd</sup> Street and Old Cutler Road in Miami, Florida. The lizard moved from a basking site on the stem of a leaf directly onto a flowering inflorescence, and immediately began to extract nectar from each of the small flowers with its tongue. The anole visited at least 14 flowers, while moving along the inflorescence,