

## Catalogue of American Amphibians and Reptiles.

SCHWARTZ, ALBERT. 1984. *Eleutherodactylus hypostenor*.*Eleutherodactylus hypostenor* Schwartz

*Eleutherodactylus hypostenor* Schwartz, 1965:498. Type-locality, "10.5 mi. (16.8 km) S. Cabral, 3500 feet (1060 m), Barahona Province, República Dominicana." Holotype, Mus. Comp. Zool. 43187, adult male, collected by David C. Leber, Albert Schwartz, and Richard Thomas on 1 August 1963 (examined by author).

- CONTENT. No subspecies are recognized.
- DEFINITION. A species of the *inoptatus* group of Antillean *Eleutherodactylus* characterized by the combination of large size (males to 55 mm snout-vent length, females unknown), very large digital discs, unicolor dark brown and flat (rather than concave) lores, stippled chin and throat, dorsal pattern a middorsal zone enclosed between two dorsolateral lines, set off strongly from much darker lateral coloration, and with dorsal spots much obscured or absent, posterior faces of thighs dark centrally and with pale vermiculations or vertical bars (never dots) laterally, a pair of chevron-like antibrachial bars, supratympanic black bars outlined above with white, a more truncate and less overhanging snout, no external vocal sacs, and high tibia/snout-vent length ratio (55.7-61.3 in males, females unknown).
- DESCRIPTION. The original description (Schwartz, 1965:498-502) gives data on the holotype and variation, both mensural and chromatic, in the paratype series.
- ILLUSTRATION. Schwartz (1965:498) gave a drawing of the dorsal view of the holotype.
- DISTRIBUTION. Schwartz and Thomas (1975:25) gave the following detailed distribution: Hispaniola, including the Tiburon Peninsula in Haiti and the Sierra de Baoruco in the República Dominicana; in Haiti, known from the Massif de la Hotte north of Les Cayes and Castillon; in the República Dominicana, from the Massif de la Selle (2.6 mi S Los Arroyos and 7 km N Cabeza de Agua, Pedernales Province), and the eastern Sierra de Baoruco near the type-locality and Las Auyamas; a voice record from 25.5 km N Cabo Rojo, Pedernales Province. Altitudinal distribution ranges from 2200 to 3500 feet (670 to 1070 meters).

- FOSSIL RECORD. None.

• PERTINENT LITERATURE. The original description contains data on voice, calling sites, and variation in both mensural and chromatic characters. Schwartz (1973) gave distributional and altitudinal data, and Schwartz and Thomas (1975) summarized all locality records.

• REMARKS. *Eleutherodactylus hypostenor* is one of five members of the Hispaniolan *inoptatus* group of *Eleutherodactylus*. Both this species and *E. ruthae* Noble call from closed underground chambers, apparently of their own manufacture. The call is a single-noted rising "wherp," repeated as many as three times, followed by an often extensive period of silence. The habitat is usually deciduous forest or edges; upland *cafetales* in the Sierra de Baoruco are ideal, as these are well shaded and very mesic. Specimens from between Cabeza de Agua and Los Arroyos were secured in wooded *cafetales* and in an open and cleared area within the forest itself. Occasional individuals are encountered on the open ground in forest or on the lower branches of shade trees in *cafetales*. These individuals have all proven to be males, but none was heard calling from these situations, despite synchronous choruses emanating from underground cavities.

Specimens of *Eleutherodactylus hypostenor* and new distributional data have been taken under National Science Foundation grants G-7977 and B-023603.

• ETYMOLOGY. The name *hypostenor* is from the Greek "hypo" (under) and "steno" (to groan, moan, sigh), in allusion to the underground calling sites of this frog.

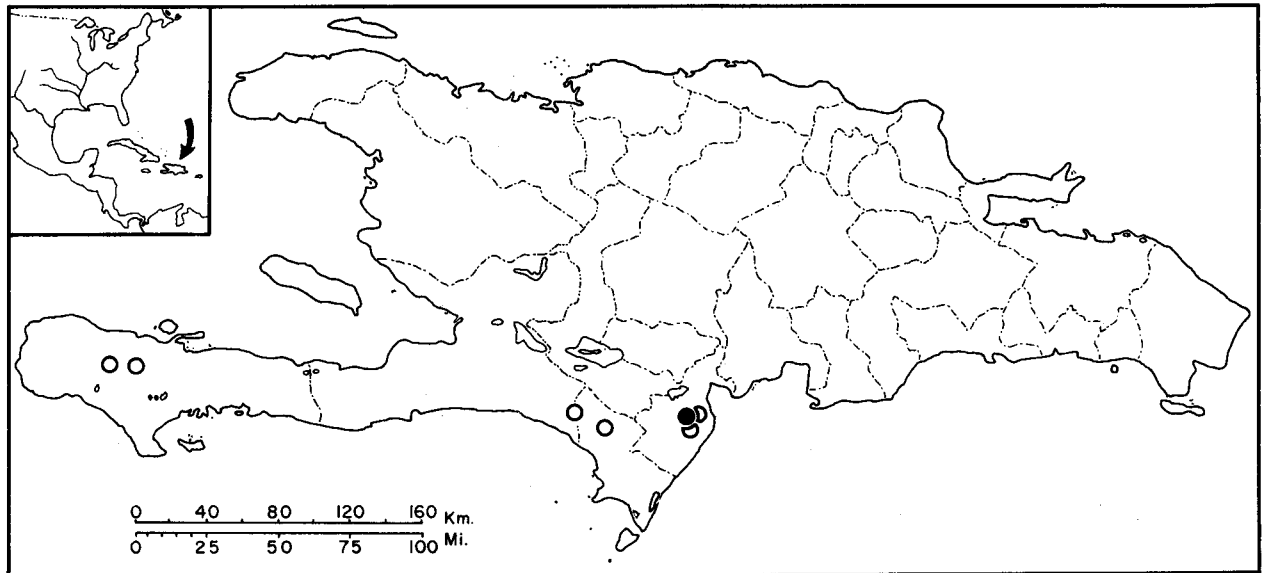
## LITERATURE CITED

- Schwartz, Albert. 1965. Variation and natural history of *Eleutherodactylus ruthae* on Hispaniola. Bull. Mus. Comp. Zool. 132(6):479-508.
- 1973. Six new species of *Eleutherodactylus* (Anura, Leptodactylidae) from Hispaniola. J. Herpetol. 7(3):249-273.
- , and Richard Thomas. 1975. A check-list of West Indian amphibians and reptiles. Carnegie Mus. Natur. Hist. Spec. Publ. (1):1-216.

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MAP. Distribution of *Eleutherodactylus hypostenor* on Hispaniola. Solid circle marks type-locality; open circles indicate other localities.