

Hab. ? MEXICO, north of Vera Cruz (*Dugès*); COSTA RICA, Pico Blanco and Buenos Aires (*Cope*), La Palma and Cartago (*Underwood*), ? Irazu * (*Rogers*).

Closely allied to *H. sallæi*, but without granulations on the abdomen. Form of the body and head as in *H. sallæi*. Tympanum barely one-half the area of the eye (in females). Vomerine teeth and folds of the skin as in *H. sallæi*. Disks of the fingers and toes very small; first and second fingers equal in length. Two small metatarsal tubercles; the subarticular tubercles are not continued on the metatarsals; no tarsal fold. The length of the body is nearly equal to the distance between vent and heel. Coloration variable, some specimens coloured as *H. sallæi*, others more uniformly dark with the ornamental markings indistinct; sometimes uniform brownish-slate-coloured, with a broad white longitudinal band on each side, running from the eye to the groin.

| | ♀. | ♀. | ♀. |
|--|------------|------------|------------|
| Length of body | 28 millim. | 28 millim. | 29 millim. |
| Distance between vent and heel | 29 „ | 29 „ | 32 „ |

11. *Hylodes rugosus*.

Hylodes rugosus, Peters, MB. Ak. Wiss. Berlin, 1873, p. 610.

Hab. NICARAGUA, Hacienda Rosa de Jericho (*Rothschuh*); PANAMA, Chiriqui (*Mus. Berol.*).

Habit rather stout, the length of the body equal to the distance between vent and heel; head broad, snout short, with very distinct canthus and subvertical sides. Tympanum half the size of the eye (sex?). Vomerine teeth in two small groups behind the choanæ, which are equally as wide as the eustachian openings. Upper parts with numerous tubercles and folds; of the latter, a pair of curved)(like folds on the back, another straight one on each side of the anterior part of the back, and another transverse and undulated across the interorbital space are most conspicuous; tubercles on the upperside of the head and of the lower leg. Abdomen smooth. Disks of the fingers and toes small. First finger a little longer than second. Two metatarsal tubercles. Dark purple above, with a light interorbital cross-band. Upper lip and limbs cross-banded. Hinder side of the thigh marbled with whitish and purplish; throat and chest marbled with brown.

| | |
|--|------------|
| Length of body | 16 millim. |
| Distance between vent and heel | 16 „ |

The young specimen from Nicaragua is the only one I have seen.

* The specimen from this locality, referred to in Cat. Batr. Sal. B. M. p. 203 (*H. podiciferus*), is young and too much deteriorated to admit of identification.