

Crown of the head with projecting ridges, the supraciliary crest being branched behind. Snout obtuse. Tympanum very distinct, half the size of the eye. Parotoids quite small *, subtriangular. *Skin nearly smooth above*, except on the scapular and iliac regions, minutely roughened below; a lateral dermal fold. Fingers and toes long, *nearly free*; no tarsal fold, two metatarsal tubercles; legs short. Green, with deep black spots; throat and thorax black. (After Cope.)

Length of body	47 millim.
„ hind leg	70 „
„ hind foot	30 „

17. *Bufo luetkenii*.

Bufo luetkenii, Bouleng. Ann. & Mag. N. H. 1891, viii. p. 455.

Hab. COSTA RICA, Cartago (*Örsted*).

Crown of the head with low ridges, the parietal branch very low, forming an obtuse angle with the postorbital. Interorbital space concave, as wide as the broad supraocular cover. Snout short, rather compressed, with sharp, nearly straight canthus. Tympanum very distinct, deeper than long, about half the area of the eye. *Parotoid very small*, smaller than the area of the supraocular cover. Upper parts with few very small tubercles, a lateral series of somewhat larger ones from the parotoid towards the groin. Lower parts finely granular. *First finger longer than second*. Toes fully half-webbed. Two small metatarsal tubercles; no tarsal fold, but a series of small asperities. Brownish, with darker and some whitish spots; a light vertebral band.

	Ad. ♀.
Distance of vent from snout	78 millim.
„ „ metatarsal joint	65 „
„ „ end of fourth toe	87 „

18. *Bufo typhonius*.

Rana typhonia, Linn. Syst. Nat. p. 356.

Bufo typhonius, Schneid. Hist. Amphib. i. p. 207; Peters, MB. Ak. Wiss. Berlin, 1872, p. 224; 1873, pp. 618, 624; Bouleng. Batr. Sal. p. 317; Zool. Record for 1884, Rept. p. 17.

Rana margaritifera, Laur. Syn. Rept. p. 30.

Bufo pleuropterus, Schmidt, Denkschr. Ak. Wiss. Wien, 1858, p. 252, t. 2. figg. 17-19; Cope, Journ. Ac. Sc. Philad. viii. p. 155 (1875).

? *Bufo ocellatus*, Günth. Batr. Sal. p. 64.

Bufo alatus, Thominot, Bull. Soc. Philom. viii. p. 151 (1884).

Hab. PANAMA, Chiriqui (*Peters*), Soldado (*Cope*), Veragua (*Schmidt*).—TROPICAL SOUTH AMERICA.

Supraciliary ridge raised into a high crest, continued to above the tympanum, and

* First described as "large" a few lines before, but this seems to have been a *lapsus calami*.