

b. Skin of the back tubercular or warty.

2. *punctatus*; 3. *mexicanus*; 4. *monksiae*.

2. Inner metatarsal tubercle shovel-shaped.

5. *compactilis*.

B. Toes fully webbed.

6. *politus*.

II. A crest round and behind the supraciliary margin; a parietal crest is absent or scarcely indicated\*.

7. *marmoreus*; 8. *sternosignatus*; 9. *canaliferus*; 10. *debilis*; 11. *marinus*.

III. Supraciliary crest enormously swollen behind.

12. *occipitalis*.

IV. Supraciliary crest forked behind, with a well-developed parietal prong.

A. Outer fingers moderately long.

1. Tympanum distinct.

a. Crests well or moderately raised.

13. *coccifer*; 14. *coniferus*; 15. *valliceps*; 16. *melanochlorus*; 17. *luetkenii*.

b. Crests enormously developed behind.

18. *typhonius*.

2. Tympanum hidden.

19. *simus*; 20. *intermedius*; 21. *bocourti*.

B. All fingers very slender.

22. *veraguensis*; 23. *auritus*.

## 1. *Bufo hæmatiticus*.

*Bufo hæmatiticus*, Cope, Proc. Ac. N. Sc. Philad. 1862, p. 157; Keferst. Gött. Nachr. 1867, p. 353; Arch. f. Naturg. 1868, p. 295, t. 9. fig. 7; Günth. P. Z. S. 1870, p. 401; Peters, MB. Ak. Wiss. Berlin, 1873, p. 618; Bouleng. Batr. Sal. p. 290; Brocchi, Miss. Sc. Mex., Batr. p. 72.

*Hab.* NICARAGUA (*Cope*); COSTA RICA, Talamanca (*Cope*), Santo Domingo, Golfe Dulce (*Pittier*), Las Minas, Rio San Juan, Carillo (*Underwood*); PANAMA, Chiriqui (*Peters*), Camp Maria Caretta, Rio Truando (*Cope*).—COLOMBIA.

Crown of the head without projecting ridges, the interorbital space being slightly concave and wider than the supraciliary cover. Snout short, with vertical sides and sharp canthus rostralis, truncated in front. Tympanum distinct, about half the area of the eye. Parotoids large, with an angular ridge which extends forward over the

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terms:—Supraorbital ridges slightly developed; internal nares of moderate size; tongue elongate, cordiform, rounded posteriorly, free for rather more than half of its length posteriorly; colour grey, with a longitudinal row of subround black spots on either side of the median line; extremities varied with black; underparts yellow, marbled with black.

\* It should be borne in mind that in young specimens these cranial crests are much less developed than in mature ones, and entirely absent at a very early age.