

passing into a lateral series of conical tubercles; the crest is highest above the tympanum, much less developed in the young than in mature specimens. Snout pointed, compressed, with sharp canthus. Tympanum distinct, round, two-thirds the size of the eye. Parotoid smaller. Upper parts with small, flat tubercles, lower roughly granular. First and second fingers equal. Toes not quite half-webbed; two small metatarsal tubercles; no tarsal fold. Light brownish, with some irregular ashy or whitish spots; lower parts whitish.

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|-----------------------------|---|-------------------|------------|
| | | | Ad. ♀. |
| Distance of vent from snout | . | . | 84 millim. |
| " | " | metatarsal joint | 78 " |
| " | " | end of fourth toe | 103 " |

19. *Bufo simus*.

Bufo simus, Schmidt, Denkschr. Ak. Wiss. Wien, 1858, p. 254.

Bufo intermedius, Cope, Proc. Am. Phil. Soc. xxii. p. 379 (1885); Bull. U. S. Nat. Mus. no. 32, p. 10 (1887) (nec Günth.); Dugès, La Nat. Mex. (2) ii. p. 482 (1896).

Hab. MEXICO, Presidio, Milpas in Durango (*Forrer*), Guanajuato, Huazteca Potosina, and Silao (*Dugès*), Sierra de Bolaños and Jalisco (*Buller*), Omilteme and Amula (*H. H. Smith*), Vera Cruz (*Cope*), Orizaba (*Sumichrast*); PANAMA, Chiriqui (*Schmidt*).

The projecting ridges of the head are rather feebly developed, even in the adult; the supraorbital converge in front, and terminate behind in a fork, the prongs of which are short; young examples without ridges. The interorbital space is concave (in the adult) and broader than the supraocular cover. Snout rather short, with the sides slightly sloping. *Tympanum quite hidden under tubercular skin*. Parotoids of moderate size, prominent, elliptical, immediately behind the hind margin of the orbit. Upper parts rather densely covered with small, sometimes spiny, tubercles; lower parts coarsely granular. First finger longer than second; toes two-thirds webbed; two metatarsal tubercles, of which the inner is somewhat compressed; a series of pointed tubercles takes the place of a tarsal fold. Greyish or brownish above, marbled with darker and sometimes with pink blotches; lower parts uniform whitish, sometimes, and in the young always, spotted with black.

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| | | ♀. | ♀. |
| Distance of vent from snout | . | 87 millim. | 75 millim. |
| " | " | metatarsal joint | 71 " 70 " |
| " | " | end of fourth toe | 102 " 98 " |

This species was originally described from young examples, the largest of which was only 26 millim. long. At that age, and even in specimens up to 50 millim. in length, the cephalic crests are not developed, the crown being as flat as in the flat-headed toads generally. Yet I should have hesitated to refer our Mexican specimens