

### 7. *Liohyla ranoides*.

*Lithodytes ranoides*, Cope, Proc. Am. Phil. Soc. xxiii. p. 275 (1886).

*Liohyla ranoides*, Cope, Proc. Am. Phil. Soc. xxxi. p. 335 (1893).

*Hab.* NICARAGUA (*Cope*); COSTA RICA, Buenos Aires, Terraba (*Cope*).

Habit not slender. Head relatively rather long. Snout acuminate, somewhat projecting, with the canthus rostralis distinct, and with the sides subvertical. Eye equal to its distance from the nostril. Tympanum oval, its vertical much longer than its horizontal diameter, scarcely one-third the size of the eye. Skin nearly smooth, but a pair of feeble folds form an obscure pattern on the scapular regions. The length of the body seems to be nearly equal to the distance between vent and heel. Disks of fingers and toes truncate. Toes nearly one-third webbed. Two small metatarsal tubercles, of which the outer is obsolete. Coloration variable, greyish to dark brown, with or without a white median dorsal line or band, and sometimes with a light interorbital cross-band. Upper parts more or less distinctly marbled with darker colour; lower parts whitish. Limbs dark cross-banded; the cross-bands of the tibia extend on the skin that covers the flexors of the foot so as to be seen from below. (After Cope.)

This species was originally described from four Nicaraguan specimens, of which the largest measured 26 millim. Although Cope, at a later period, recognized the same species in some Costa Rican frogs, I am unable to find it among the numerous examples sent by Pittier and Underwood. Its chief characters seem to be the acuminate snout, short hind limbs, webbed toes, and the peculiar small, oval tympanum, which Cope ascribes to all his specimens, and which therefore cannot be regarded as an individual or accidental modification. In this respect *L. ranoides* resembles *L. engytympanum*; but the latter has a shorter obtuse snout and longer hind limbs.

### 8. *Liohyla berkenbuschi*.

*Hylodes berkenbuschii*, Peters, MB. Ak. Wiss. Berlin, 1869, p. 879.

*Hab.* MEXICO (*Peters*).

Snout acuminate, with distinct canthus rostralis. Tympanum large (sex unknown), its diameter two-thirds of that of the eye; choanæ narrower than the eustachian tubes. Vomerine teeth on two small approximate transverse prominences behind the choanæ. Sides of the body with some oblong glandular pads and *with a strong fold from the shoulder to the thigh*. Abdominal disk smooth, a cross-fold on the chest. First finger a little shorter than the second. The basal phalanges of the toes are united by a web extending as narrow fringes to the disks. Disks of fingers and toes well developed; one metatarsal tubercle; a tarsal fold. Upper parts brownish, with darker spots, of which one, triangular in shape, between the eyes, is preceded by the lighter-coloured snout; upper lip and limbs cross-banded; sides with black spots, marbled with yellow;