



A taxonomic revision of frogs of the genus *Cryptobatrachus* (Anura: Hemiphractidae)

JOHN D. LYNCH

Instituto de Ciencias Naturales, Universidad Nacional de Colombia, Apartado 7495, Bogotá. E-mail: jdlynch@unal.edu.co

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Abstract

Hemiphractid frogs of the genus *Cryptobatrachus* are nearly exclusive to Colombia and are distributed over an altitudinal range between 360 and 2400 meters on the three cordilleras and the massif of the Sierra Nevada de Santa Marta. To the three species currently recognized, three additional species are named (*C. conditus*, *C. pedroruizi*, and *C. ruthveni*). The genus is monophyletic and all but the cis-Andean *C. nicefori* form a clade (defined by the presence of adhesive pads on some subarticular tubercles of the hand and foot). All but *C. fuhrmanni* and *C. nicefori* form an additional clade in northern Colombia. Two (or three) species are found on the Sierra Nevada de Santa Marta and two other species are found on the Serranía de Perijá. The most widely distributed species (*C. fuhrmanni*) occurs on all three Andean cordilleras without apparent geographic variation.

Key words: Biogeography, *Cryptobatrachus*, Frogs, Sexual dimorphism, Systematics, Taxonomy