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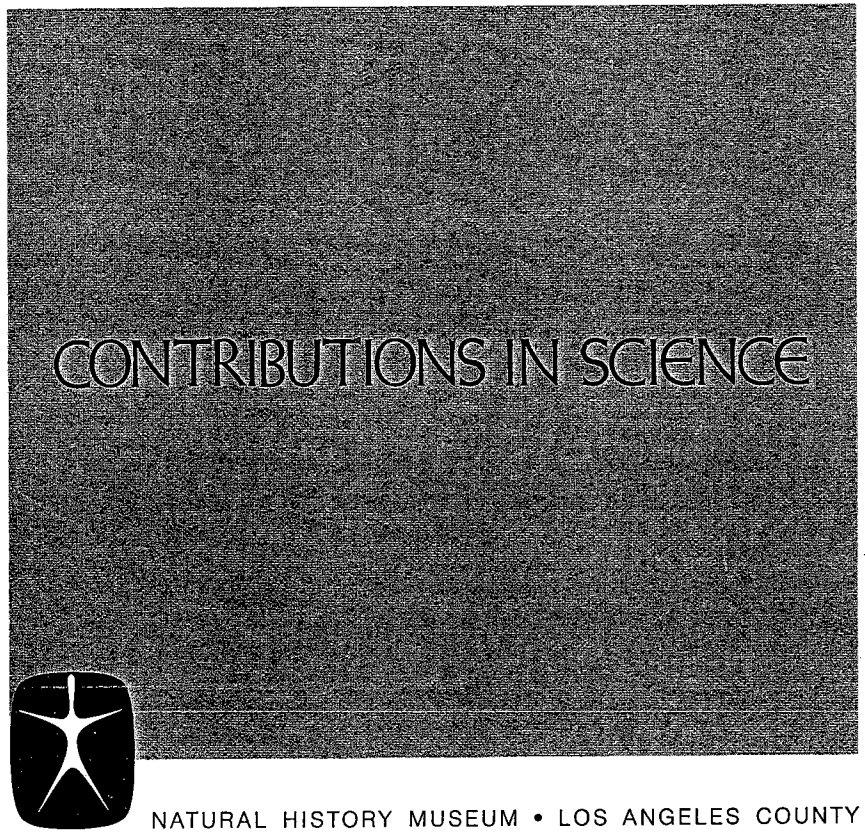
By W. RONALD HEYER



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THE STATUS OF *LEPTODACTYLUS PUMILIO* BOULENGER (AMPHIBIA, LEPTODACTYLIDAE) AND THE DESCRIPTION OF A NEW SPECIES OF *LEPTODACTYLUS* FROM ECUADOR[1]

By W. RONALD HEYER[2]

ABSTRACT: *Leptodactylus pumilio* Boulenger, 1920, is shown to be a junior synonym of *Eleutherodactylus parvus* (Girard). The Pentadactylus species group of *Leptodactylus* is redefined and a new species of this group is described from Amazonian Ecuador. The presence of dorsolateral folds combined with the uniformly black coloration of the posterior surface of the thigh distinguish the new species from the other members of the group. The karyotype of the new species has a diploid number of 22 bi-armed chromosomes with no secondary constrictions. A key to the species of the Pentadactylus group is provided.

INTRODUCTION

A preliminary analysis of a cross sectional representation of the genus *Leptodactylus* indicated that the species could be grouped into five species assemblages (Heyer, 1968). I am presently analyzing each of these groups in detail (e.g., Heyer, 1970). As in all long-term projects, data are gathered continuously on all groups. The purpose of this paper is to report two findings that are outside of my current main project. First, examination of the holotype of *Leptodactylus pumilio* indicates a nomenclatural change is necessary. Second, a new species of the Pentadactylus group is described from specimens recently collected in Amazonian Ecuador.

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