



A review of the Neotropical genus *Eucalandra* Faust, 1899 (Coleoptera; Curculionidae: Dryophthorinae)

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Abstract

The genus *Eucalandra* Faust is reviewed, including a redescription of the genus, diagnoses of the four previously described species, *E. boxi* Marshall, *E. luteosignata* (Blanchard), *E. mexicana* (Champion), comb. n., and *E. setulosa* (Gyllenhal), and the description of a new species, *E. alas* Anderson, **sp. n.**, from Costa Rica. A key to the five now known species is provided, along with illustrations of the species and summaries of their natural history and distribution. These weevils are associated with bamboos.

Key words: biodiversity, weevils, new species, bamboo, taxonomy

Introduction

The genus *Eucalandra* Faust, 1899 was described in a key to accommodate the species *Sitophilus setulosus* Gyllenhal, 1838. Since that time it has received little taxonomic attention, and specimens are rarely encountered. Studies on the Dryophthorinae of Costa Rica and Panama (Anderson 2002, 2003) revealed a number of undescribed species in a number of genera in this subfamily, including *Eucalandra*. Originally, only *E. setulosa* (Gyllenhal) was presumed to occur in lower Central America (O'Brien & Wibmer 1982, Anderson 2002), but detailed examination of newly available specimens indicated an additional undescribed species to occur there. This new species is here described, together with a redescription of the genus *Eucalandra* and a diagnosis of each of the four previously described species. The distributions of all species are mapped and their known natural history is summarized.

Eucalandra is now known to contain five species, distributed from Mexico south into southern South America. O'Brien & Wibmer (1982) recognized only the widespread *E. setulosa* in Central America, with *E. mexicana* (Champion), comb. n., erroneously placed as a synonym of the introduced *Polytus mellerborgii* (Boheman). In their South American checklist Wibmer & O'Brien (1986) recognized three species, *E. boxi* Marshall from Venezuela, *E. luteosignata* (Blanchard) and *E. setulosa*. A further species, *E. alas* Anderson, **sp. n.**, is here described from Costa Rica.

Genus *Eucalandra* Faust, 1899

Eucalandra Faust, 1899: 25, type species: *Sitophilus setulosus* Gyllenhal, 1838, by original designation (Faust 1899: 544); Vaurie 1967: 185; O'Brien & Wibmer 1982: 221; Wibmer & O'Brien 1986: 366; Alonso-Zarazaga & Lyal 1999: 67; Anderson 2002: 7, 14; Anderson 2003: 415.

Calandra (in part); Champion 1910: 169.

Polytus (in part, error); O'Brien & Wibmer 1982: 221.