



Description of a new species of *Pentarthrum* Wollaston (Coleoptera: Curculionidae: Cossoninae) from China with an annotated checklist to species of the World

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Abstract

A new weevil species, *Pentarthrum chinensis* **new species**, is described from China (type locality: Guangxi Province; Mubian). It is the first species of *Pentarthrum* Wollaston recorded from mainland China. Diagnostic characters are illustrated in detail. An annotated checklist to 50 known species of the world is provided.

Key words: weevil, China, *Pentarthrum chinensis*, Cossoninae, Coleoptera

Introduction

Based on the classification of Alonso-Zarazaga & Lyal (1999), *Pentarthrum* belongs to the tribe Pentarthrini Lacordaire of the subfamily Cossoninae. The genus was erected by Wollaston (1854) with type species *P. huttoni* Wollaston from England by monotypy. Wollaston later in 1861 described a second species, *P. cylindricum*, from Ascension Island, which later was placed in synonymy with *P. elumbe* Boheman (O'Brien & Wibmer 1982) and subsequently transferred to *Allopentarthrum* by Wibmer & O'Brien (1986). The genus *Pentarthrum* has 49 species distributed unevenly in the zoogeographical regions as follows: 22 species in the Australian region (13 of them from New Zealand), 19 species in the Afrotropical region, three species in the Oriental region, two in the Neotropical region, one in the Oceanian region (Pacific Ocean Islands), one in the Nearctic region and one in the Palearctic region. Zoogeographical regions are based on Newton (2003). Herein a new species of the genus *Pentarthrum* is described from China bringing the total known species to 50. An annotated checklist of the known species of *Pentarthrum* is provided.

Material and methods

Observations were made with a Zeiss Stemi SV 11 stereomicroscope. Photographs were taken by a Micropublisher 5.0 RTV digital camera, model: MP5.0-RTV-CLR-10A-color 10 BIT, attached with a Zeiss Stereomicroscopy Discovery V. 12.

Measurements were taken using an ocular micrometer and are defined using the following abbreviations: **ACL**—antennal club length; **ACW**—antennal club width; **AFL**—antennal funicle length; **AL**—antennal length; **ASL**—antennal scape length; **BL**—body length (including rostrum); **EL**—elytral length; **EWB**—