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Chondropyga insignicosta, a new species of Cetoniinae (Coleoptera: Scarabaeidae) from Queensland, Australia

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Abstract

Chondropyga insignicosta, **new species** (Coleoptera: Scarabaeidae: Cetoniinae) is described from Queensland, Australia.

Key words: flower chafer, Schizorhinini

Introduction

The scarabaeoid subfamily Cetoniinae, the flower chafers (excluding Valgini), is represented in Australia by approximately 126 species (Calder 2002, Hasenpusch & Moeseneder 2010, Moeseneder & Hutchinson 2012, Hutchinson & Moeseneder 2013). This paper describes *Chondropyga insignicosta*, new species, a rarely collected species, which inhabits a small area of rainforest in east-central Queensland, Australia. All known specimens, except one, have been caught in flight intercept traps. The species is placed in the genus *Chondropyga* Kraatz, 1880.

Methods

Specimen lengths were measured from anterior margin of frons to posterior margin of abdomen; widths were measured at the widest extent of the elytra. Morphological nomenclature follows Krikken (1984) and Holm & Marais (1992). Images of type specimens were taken with a Canon EOS 5D and Canon 100 mm macro lens. Focus stacking was performed with Helicon Focus version 4.48. Ecosystem classification was determined using the Queensland Herbarium Regional Ecosystem Description Database, version 6.0b, updated November 2009 by the Department of Environment and Resource Management, Brisbane, Australia.

Abbreviations: D.K.—Denis R. Kitchin, Gracemere, Qld; Qld—Queensland; f—female; m—male.

Collections and institutions are abbreviated as follows:

AIF	Australian Insect Farm, Jack W. Hasenpusch, Innisfail, Qld, Australia;
ANIC	Australian National Insect Collection, CSIRO, Canberra, A.C.T., Australia;
CMAR	CSIRO Marine and Atmospheric Research, Dutton Park, Qld, Australia;
CSIRO	Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia;
DAFF	Department of Agriculture, Fisheries and Forestry, Dutton Park, Qld, Australia;
DAFWA	Department of Agriculture and Food Western Australia, Perth, W.A., Australia (formerly WADA);
MNHUB	Museum für Naturkunde, Berlin, Germany;

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