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## The Apionidae (Coleoptera: Curculionoidea) of New Caledonia. Genera *Archellerenius* gen. nov. and *Hellerenius* Wanat

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### Abstract

The New Caledonian endemic weevil genus *Hellerenius* is revised, with three new species described: *H. monteithi*, *H. plumipes*, and *H. tibialis*. A new genus *Archellerenius* is proposed for *Archellerenius giustoi* n. sp. Diagnoses, a key and distribution maps are provided for all species. Association of *Hellerenius* with the plant genus *Hedycarya* (Monimiaceae) is confirmed.

**Key words:** Rhadinocybinae, new genus, new species, distribution, identification key, Monimiaceae, *Hedycarya*

### Introduction

The genus *Hellerenius* was erected in 2001 for the New Caledonian species *H. lobifer* Wanat, and three additional but undescribed members assignable to this genus (Wanat 2001). Later, two females of a fifth, outstandingly large species, were discovered in the material from New Caledonia provided by the Queensland Museum, and many further specimens of this species were collected during one of the subsequent field expeditions by the author in 2006/2007. The number of species has remained unchanged after two additional collecting expeditions to New Caledonia in 2008 and 2010, the exploration of many new sites and examination of approximately 4,000 specimens of Apionidae coming from this unusual Pacific island.

One of the five species, poorly known in 2001 and provisionally assigned to this genus, does not possess several generic apomorphies of *Hellerenius* and after examination of sufficient material of both sexes and careful character analysis it was decided to place this species in a separate new genus *Archellerenius*. Consequently, the genus *Hellerenius* is re-defined and a taxonomic revision of this genus-level group is presented herein.

### Material and methods

The study was based on ca. 550 specimens collected by the author in 2004–2010 and/or borrowed from a number of institutions and private collections. The following abbreviations are used for institutional and private type depositories (these given in parentheses through the material lists). In addition, the names of several collectors' are replaced with their initials.

BMNH	The Natural History Museum, London, U.K.
BPBM	Bernice P. Bishop Museum, Honolulu, USA
CG	collection of Carlo Giusto, Recco (Genova), Italy
CMN	Canadian Museum of Nature, Ottawa, Canada
IACP	Institut Agronomique néo-Calédonien: Station de Recherches Fruitières, Pocquereux, Nouvelle-Calédonie
IRD	Institut de Recherche pour le Développement, Noumea, Nouvelle-Calédonie
MNHN	Muséum National d'Histoire Naturelle, Paris, France