



Taxonomic notes on some Chinese species of *Neolucanus* Thomson and *Prismognathus* Motschulsky (Coleoptera: Lucanidae)

XIA WAN¹, LUCA BARTOLOZZI² & XINGKE YANG¹

¹Institute of Zoology, Chinese Academy of Sciences, Beisihuanxilu, Haidian District, 100080 Beijing, People's Republic of China. E-mail: yangxk@ioz.ac.cn

²Graduate School of the Chinese Academy of Sciences, 100093 Beijing, People's Republic of China. E-mail: wanxia@ioz.ac.cn

²Museo di Storia Naturale dell'Università di Firenze, Sezione di Zoologia "La Specola", via Romana, 17, I-50125 Firenze, Italy. E-mail: Luca@unifi.it

Abstract

Two new synonyms are proposed for Chinese Lucanidae: *Neolucanus montanus* Kriesche, 1935 = *Neolucanus aterrimus* Weinreich, 1959 **new synonym** and *Prismognathus platycephalus* (Hope, 1842) = *Prismognathus branczicki* Nonfried, 1905 **new synonym**. Some observations on the abnormality of the holotype of *Prismognathus klapperichi* Bomans, 1989 and the similarities between this species and *Prismognathus dauricus* (Motschulsky, 1860) are discussed.

Key words: Coleoptera, Lucanidae, new synonyms, abnormality, *Neolucanus*, *Prismognathus*.

Introduction

While studying type specimens of Chinese Lucanidae from European museums, we discovered that two poorly known species, *Neolucanus aterrimus* Weinreich and *Prismognathus branczicki* Nonfried, were junior synonyms of earlier names. Neither name had been used recently except in checklists and catalogues. Additionally, we found that the holotype of *Prismognathus klapperichi* Bomans possesses distinct abnormalities; therefore we give additional characters to allow diagnosis of that species.

The labels attached to type specimens are recorded with each label indicated by a number, [1), 2), ... etc.]. All materials are deposited in the following collections:

BMNH	The Natural History Museum, London, UK.
DEI	Deutsches Entomologisches Institut, Eberswalde, Germany.
IZAS	Institute of Zoology, Academia Sinica, Beijing, China.
OXUM	Hope Entomological Collections, University Museum, Oxford, UK.
SMTD	Staatliches Museum für Tierkunde, Dresden, Germany.
ZMHB	Museum für Naturkunde, Humboldt-Universität, Berlin, Germany.

Neolucanus montanus Kriesche, 1935

(Figs. 1–4, 7–9)

Neolucanus montanus Kriesche, 1935: 169.

Neolucanus aterrimus Weinreich, 1959: 757. **New synonym.**