



Revision of some types of *Philonthus* Stephens and *Gabrius* Stephens from southern South America (Coleoptera: Staphylinidae), with nomenclatural notes

MARIANA CHANI-POSSE DE MAUS

Current affiliation: Laboratorio de Entomología, Instituto Argentino de Investigaciones de las Zonas Áridas (IADIZA, CCT CONICET, Mendoza), Casilla de Correo 507, 5500 Mendoza, Argentina. E-mail: mchani@lab.crioyt.edu.ar

Current address: Alt-Pempelfort 4, (40211) Duesseldorf, Germany

Abstract

Based on my revision of types of southern South American species of *Philonthus* Stephens, 1829 and *Gabrius* Stephens, 1829 some nomenclatural changes are proposed. Five species of *Philonthus* are transferred to *Gabrius* resulting in the following new combinations: *G. argentinus* (Bernhauer, 1912), *G. hornaditanus* (Rambousek, 1925), *G. jujuyensis* (Bernhauer, 1921), *G. nidicola* (Bernhauer, 1921) and *G. tucumanensis* (Bernhauer, 1927). *Philonthus hosmanni* Bernhauer, 1912 is transferred to *Heterothops* Stephens, 1829 (Quediina). Five new synonymies within the genus *Philonthus* are proposed: *P. tenebrosus* Boheman, 1858 with *P. quadraticeps* Boheman, 1858 (valid name); *P. catamarcanus* Bernhauer, 1916 and *P. weiseri* Bernhauer, 1921 with *P. bonariensis* Bernhauer, 1909; *P. emelinae* Coiffait & Sáiz, 1968 with *P. discoideus* (Gravenhorst, 1802); *Philonthus catamarcanus* var. *densior* Bernhauer, 1916 with *P. cribriventris* Bernhauer, 1912. One old synonym is confirmed: *P. perplexus* Fairmaire & Germain, 1861 with *P. longicornis* Stephens, 1832. One new synonymy within the genus *Gabrius* is proposed: *G. chiliensis* Coiffait & Sáiz, 1968 with *G. nigrutilus* (Gravenhorst, 1802). Lectotypes are designated for *P. argentinus* Bernhauer, 1912, *P. bonariensis* Bernhauer, 1909, *P. catamarcanus* Bernhauer, 1916, *P. cribriventris* Bernhauer, 1912, *P. hornaditanus* Rambousek, 1925, *P. jujuyensis* Bernhauer, 1921, *P. nidicola* Bernhauer, 1921, *P. perplexus* Fairmaire & Germain, 1861, *P. quadraticeps* Boheman, 1858, *P. tenebrosus* Boheman, 1858, *P. tucumanensis* Bernhauer, 1927 and *P. weiseri* Bernhauer, 1921.

Key words: Coleoptera, Staphylinidae, *Philonthus*, *Gabrius*, South America, nomenclatural changes, lectotypes

Introduction

As part of a major revisionary study of the species of *Philonthus* Stephens, 1829 (Coleoptera: Staphylinidae) from southern South America (Chani-Posse de Maus, in preparation), I studied the types of most of these species to make a proper determination of about two thousand specimens deposited in the Argentinean and U.S.A. collections. In order to accomplish this task, I either visited or borrowed type material from private collections and museums of Argentina, Chile, Czech Republic, France, Germany, Sweden and U.S.A., and found some new combinations and synonyms. Access to this material allowed me to study types of Bernhauer and Rambousek (Chicago), Boheman (Stockholm), Erichson (Berlin), Fairmaire and Germain (Paris), Rambousek (Prague), Coiffait and Sáiz (Santiago), and Sáiz (Valparaíso). Until the present work, 38 species of *Philonthus* were known from the southern South America (Chani-Posse 2004) and only three species of *Gabrius* Stephens, 1829 from the Neotropical region, two of them cited from southern South America (Herman 2001; Newton & Thayer 2005). As stated by Newton *et al.* (2000), although more than 1000 species are included in *Philonthus* at present, this number may drop as poorly known tropical faunas are studied and the narrower generic concepts at present applied to the Holarctic fauna (e.g. Smetana 1995) are applied to those. The southern South American fauna is an example of this state of affairs. Only eight of the 38 southern South American species of *Philonthus* have been revised since their original descriptions, which do not meet