



Revision of some types of the South American tribes Nycteliini, Praocini, and Scotobiini (Coleoptera: Tenebrionidae), with new synonymies

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Abstract

Based on my revision of the types of the Neotropical genera *Nyctelia* Latreille, 1825 (Nycteliini), *Praocis* Eschscholtz, 1829 (Praocini), *Scotobius* Germar, 1824, and *Emmallodera* Blanchard, 1842 (Scotobiini), nine NEW SYNONYMIES are proposed and illustrated: *Nyctelia roigi* Marcuzzi, 1977 with *N. quadricarinata* Fairmaire, 1905; *Praocis freyi* Marcuzzi, 1977 with *P. uretai* Kulzer, 1958; *Praocis larraini* Marcuzzi, 2001 with *P. pentachorda* Burmeister, 1875; *Praocis sivistrii* Marcuzzi, 2001 with *P. striolicollis* Fairmaire, 1883; *Praocis baloghi* Marcuzzi, 2001 with *P. montana* Kulzer, 1958; *Scotobius freudei* Marcuzzi, 1977 with *S. akidioides bicostatus* Kulzer, 1955; *Scotobius kulzeri* Marcuzzi, 1977 and *S. contrerasi* Marcuzzi, 1977 with *S. alaticollis* Kulzer, 1955; and *Emmallodera ceii* Marcuzzi, 1977 with *E. obesa costata* Kulzer, 1955. A statement on the differences between *Nyctelia blapoides* Fairmaire, 1905 and *N. kulzeri* Marcuzzi, 1977 is presented, as well as a redescription of *N. blapoides*.

Key words: Tenebrionidae, Nycteliini, Praocini, Scotobiini, new synonymies

Introduction

Within the scope of the research project: "Design of a reserve network for protection of biodiversity in southern South America using predictive distribution models with hyperdiverse taxa", types of Tenebrionidae of authors that described species of southern South America had to be studied, especially those known only by a single specimen or not represented in Argentinean or Chilean collections. For this reason I studied the syntypes of Antoine Solier, Félix Guérin-Méneville and Léon Fairmaire in Paris (France) in 2005, of Hermann Burmeister and Léon Fairmaire in Buenos Aires, of Carlos Berg in La Plata (Argentina) in 2006, and of Philibert Germain and Rudolf Philippi & Friedrich Philippi in Santiago (Chile) in 2006. As a result of this research in those museums, nine synonyms were recently established (Flores 2007) in the Neotropical genera *Praocis* Eschscholtz, 1829 and *Nyctelia* Latreille, 1825 (Pimeliinae: Praocini and Nycteliini). While working on a faunistic list of the tenebrionids of southern South America, I had the opportunity to study the types of the species described by Giorgio Marcuzzi (1977, 2001) which were borrowed recently through the kind help of Dr. Roberto Poggi (Museo Civico di Storia Naturale G. Doria, Genova, Italy) and found new synonyms in the Neotropical tribes Nycteliini, Praocini (Pimeliinae) and Scotobiini (Tenebrioninae).

In this paper I propose new synonyms of nine species described by Marcuzzi (1977, 2001) on the basis of examination of both types of Marcuzzi and the types of previously known species of Burmeister, Fairmaire, and Hans Kulzer. Characters of pronotum and elytra, which have been universally used to separate and recognize closely related and similar species, were used to establish these synonymies. Additionally I present the photographs of the types of all nominal species studied here to illustrate these new synonymies.

Kulzer (1963) in his revision of *Nyctelia* did not see the types of several species described by Burmeister (1877) and Fairmaire (1904, 1905) that are deposited in the Buenos Aires museum. In his redescription of *N.*