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New taxa and data for Neotropical Phalangopsidae (Orthoptera, Grylloidea)

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Abstract

New data are presented for Neotropical Phalangopsidae (Orthoptera, Grylloidea). Four new species are described, *Luzara brevipennis* Desutter-Grandcolas, **n. sp.**, *Miogrylloides hebari* Desutter-Grandcolas, **n. sp.**, *Aclella brevipennis* Desutter-Grandcolas, **n. sp.** and *Aclella nova* Desutter-Grandcolas, **n. sp.** Nine new recombinations are proposed: *Lerneca digrediens* (Otte, 2006) **n. comb.** (*Amphiacusta*), *Lernecella erinys* (Otte & Perez-Gelabert, 2009) **n. comb.** (*Uvaroviella*), *Lernecella minor* (Otte, 2006) **n. comb.** (*Paraclodes*), *Lernecella mirabilis* (Otte & Perez-Gelabert, 2009) **n. comb.** (*Uvaroviella*), *Lernecella simlense* (Otte & Perez-Gelabert, 2009) **n. comb.** (*Uvaroviella*), *Miogrylloides diaphoros* (Otte, 2006) **n. comb.** (*Amphiacusta*), *Niquirana phyxelis* (Otte, 2006) **n. comb.** (*Luzara*), *Aclella troxalis* (Otte, 2006) **n. comb.** (*Selvacla*), and *Neoacla clandestina* (Nischk and Otte, 2000) **n. comb.** (*Hattersleya*). The synonymy of *Acla* Hebard, 1928 with *Aclodes* Hebard, 1928 is confirmed and discussed, and *Hattersleya* Nischk & Otte, 2000 is newly synonymized with *Neoacla* Desutter, 1988. The diagnosis and/or description of several genera and species are completed.

Key words: Taxonomy, Orthoptera, New Species, New combinations, Synonymy, Neotropics

Résumé

Des données nouvelles sur les Phalangopsidae néotropicaux (Orthoptera, Grylloidea) sont présentées. Quatre nouvelles espèces sont décrites: *Luzara brevipennis* Desutter-Grandcolas, **n. sp.**, *Miogrylloides hebari* Desutter-Grandcolas, **n. sp.**, *Aclella brevipennis* Desutter-Grandcolas, **n. sp.** et *Aclella nova* Desutter-Grandcolas, **n. sp.** Neuf recombinaisons nouvelles sont proposées: *Lerneca digrediens* (Otte, 2006) **n. comb.** (*Amphiacusta*), *Lernecella erinys* (Otte & Perez-Gelabert, 2009) **n. comb.** (*Uvaroviella*), *Lernecella minor* (Otte, 2006) **n. comb.** (*Paraclodes*), *Lernecella mirabilis* (Otte & Perez-Gelabert, 2009) **n. comb.** (*Uvaroviella*), *Lernecella simlense* (Otte & Perez-Gelabert, 2009) **n. comb.** (*Uvaroviella*), *Miogrylloides diaphoros* (Otte, 2006) **n. comb.** (*Amphiacusta*), *Niquirana phyxelis* (Otte, 2006) **n. comb.** (*Luzara*), *Aclella troxalis* (Otte, 2006) **n. comb.** (*Selvacla*), et *Neoacla clandestina* (Nischk & Otte, 2000) **n. comb.** (*Hattersleya*). La synonymie d'*Acla* Hebard, 1928 avec *Aclodes* Hebard, 1928 est confirmée et discutée, et *Hattersleya* Nischk & Otte, 2000 est mis en synonymie avec *Neoacla* Desutter, 1988. La diagnose et/ou la description de plusieurs genres et espèces sont complétées.

Mots clés: Taxonomie, Orthoptera, Nouvelles espèces, Nouvelles combinaisons, Synonymie, Région néotropicale

Introduction

While assembling data to reconstruct a wide-scale molecular phylogeny of crickets (Orthoptera, Grylloidea), several new species were sequenced, while several species proved to be currently classified in a wrong genus when studied for their morphology (Chintauan-Marquier *et al.* submit.). The present paper gathers part of these new taxonomic data for neotropical Phalangopsidae.

The following taxa are described here from Costa Rica: *Luzara brevipennis* Desutter-Grandcolas, **n. sp.**, *Miogrylloides hebari* Desutter-Grandcolas, **n. sp.**, *Aclella brevipennis* Desutter-Grandcolas, **n. sp.** and *Aclella nova* Desutter-Grandcolas, **n. sp.** Male characters of *Amusodes* Hebard, 1928a and male genitalia of *Niquirana* Hebard, 1928a are also described and illustrated for the first time.

(abdomen, FWs) probably lighter. Face brown with yellow as in *A. troxalis*, but brown spot within the longitudinal yellow band of the face elongate and thin. Palpi brown, their dorsal edge ivory. Tibiae with 4 brown rings. Cerci with a light basal ring. Subgenital plate with a with clear longitudinal median band, wider anteriorly.

Male. FWs very short, highly setose; on the thickened right FW, venation hardly distinct, only the stridulatory file clearly visible in a deep depression; stridulatory file with about 51 teeth ; on the left FW, dorsal field soft and thin with a complete stridulum (harp with 5 or 6 parallel veins, mirror triangular). Subgenital plate longer than wide, slightly emarginate distally (Fig. 7 M).

Male genitalia. Pseudepiphallic sclerite as an acute triangle, with a thin, high and not bifid apex (Fig. 6D). Lateral processes of pseudepiphallus sclerotized ventrally; distinctly narrowed at distal half (Fig. 7L). Ectophallic apodemes short and straight, not reaching the anterior margin of endophallic apodeme (Fig. 6D).

Female. Unknown.

Measurements.

	Lpron	wpron	LFW	LFIII	LTIII	File
Holotype	2.1	2.6	2.7	9.5	7.7	~51

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