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New species of the genus *Ypsilocyphon* (Insecta: Coleoptera: Scirtidae: Scirtinae)

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Abstract

Twenty-eight new species of the genus *Ypsilocyphon* are described from Southeast Asia. The new species described in this paper are as follows: *Y. laosensis* sp. n., *Y. myanmarnus* sp. n., *Y. nomurai* sp. n., *Y. bifurcatus* sp. n., *Y. bicornutus* sp. n., *Y. borneensis* sp. n., *Y. brachytrigonium* sp. n., *Y. garoensis* sp. n., *Y. kedahensis* sp. n., *Y. prolongatus* sp. n., *Y. guamensis* sp. n., *Y. philippinensis* sp. n., *Y. panayensis* sp. n., *Y. chlorizanoides* sp. n., *Y. bicolor* sp. n., *Y. sumatranus* sp. n., *Y. acer* sp. n., *Y. nokrekensis* sp. n., *Y. boukali* sp. n., *Y. javanicus* sp. n., *Y. nepalensis* sp. n., *Y. wallacei* sp. n., *Y. gedensis* sp. n., *Y. teruhisai* sp. n., *Y. chiangmaiensis* sp. n., *Y. flexus* sp. n., *Y. lanigerus* sp. n., and *Y. cervus* sp. n. Additional specimens of *Ypsilocyphon mendosus* (Klausnitzer, 1980), *Y. luteoapicalis* (Ruta, 2007) and *Y. micans* (Klausnitzer, 1973) are recorded. Species group IV is newly proposed. A species list for the genus is given.

Key words: marsh beetles, redescription, species group, Oriental Region, species list

Introduction

The genus *Contacyphon* Gozis, 1886 (= *Cyphon* Paykull, 1799; see Zwick *et al.* 2013) is the largest genus of the family Scirtidae, and includes more than 300 species from all over the world. The genus is probably polyphyletic and some important problems remain (Yoshitomi 2005; Zwick *et al.* 2013). Some species groups have been erected in this genus for the purpose of convenient taxonomy. One group, the *chlorizans* species group (= *sinuosus* species group, *sensu* Yoshitomi 2002) is distributed mainly in Southeast Asia, and includes 40 species (Ruta 2007; Zwick 2014). Recently, Klausnitzer (2009) erected the new genus *Ypsilocyphon* for the species group.

As a part of an ongoing study on the Oriental Scirtidae, I examined a number of specimens of the genus *Ypsilocyphon* preserved in a number of museums. In the present paper, I describe 28 new species of the genus from the Philippines, Laos, Vietnam, Thailand, Myanmar, Nepal, Indonesia, Malaysia and Guam. This is the fourteenth part of the revisional study on the family Scirtidae of the Oriental Region (part 1: Yoshitomi 2003; parts 2–8: Yoshitomi & Satô 2003a, b, c, 2004a, b, c, 2005; parts 9–13: Yoshitomi 2008, 2009a, b, 2012a, b).

Material and methods

About 200 specimens preserved in museum collections (see Depositories below for the list of museums) were examined and dissected, but some of the female specimens could not be identified to species.

Holotypes and paratypes are deposited in BLKU, BPBM, EUMJ, NHM, SEHU, NMW, SMNH or NSMT.

General observation and dissection were done under a stereoscopic microscope. Microstructures were observed under a microscope after making permanent slides using a microcover glass with Canada Balsam. Collecting data and slide number are affixed to the slide with paste, and the same number is also labelled under the specimens to identify them. Red (holotype) or yellow (paratype) type labels were attached to all the type specimens designated in this paper.

The arithmetic mean of the measurement is given in parentheses after the range. Measurements are given in millimeters.

Depositories

BLKU	Biosystematic Laboratory, Graduate School of Social and Cultural Studies, Kyushu University, Fukuoka, Japan
BPBM	Bishop Museum, Honolulu, U.S.A.
EUMJ	Ehime University Museum, Matsuyama, Japan
ITBC	BORNEENSIS Collection of Institute for Tropical Biology & Conservation, Sabah University, Malaysia
NHM	The Natural History Museum, London, United Kingdom
NMW	Naturhistorisches Museum, Wien, Austria
NSMT	National Science Museum, Tsukuba, Japan

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