

Sphenarches zanclistes (Lepidoptera: Pterophoridae) new for Japan and Thailand

Takahiro Mano & Cees Gielis

Abstract. *Sphenarches zanclistes* (Meyrick, 1905) is recorded new for the fauna of Japan and Thailand. *Megalorhipida deboeri* Gielis, 2003 is recognized as a junior synonym of *Sphenarches zanclistes* (Meyrick, 1905). A new hostplant is recorded: *Clerodendrum trichotomum* var. *esculentum* (Verbenaceae).

Samenvatting. *Sphenarches zanclistes* (Lepidoptera: Pterophoridae) nieuw voor Japan en Thailand *Sphenarches zanclistes* (Meyrick, 1905) wordt nieuw gemeld voor de fauna van Japan en Thailand. *Megalorhipida deboeri* Gielis, 2003 is gemeld als junior synonym of *Sphenarches zanclistes* (Meyrick, 1905). Een nieuwe voedselplant wordt gemeld: *Clerodendrum trichotomum* var. *esculentum* (Verbenaceae).

Résumé. *Sphenarches zanclistes* (Lepidoptera: Pterophoridae), espèce nouvelle pour le Japon et la Thaïlande *Sphenarches zanclistes* (Meyrick, 1905) nouveau pour la faune du Japon et de Thaïlande. *Megalorhipida deboeri* Gielis, 2003 est considéré comme synonyme plus récent de *Sphenarches zanclistes* (Meyrick, 1905). Une plante nourricière nouvelle est mentionnée: *Clerodendrum trichotomum* var. *esculentum* (Verbenaceae).

Keywords. Lepidoptera – Pterophoridae – Japan – Thailand – new synonym – species nova fauna – hostplant.

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Introduction

The first author recently examined Pterophoridae specimens. Among these a species was recognized to be closely related to *Sphenarches anisodactylus* (Walker, 1864). At closer examination, the difference of a more slender shape of the second fore wing lobe became apparent. The genital examination of these specimens made clear we dealt with *S. zanclistes* (Meyrick, 1905), a species known from the southern and south-eastern parts of Asia. With the present finds it is obvious the species has a distribution much further north than was anticipated before.

The second author compared the specimens with the type of *S. zanclistes* in the British Museum, and with a species he described from the island Irian Jaya, Indonesia: *Megalorhipida deboeri* Gielis, 2003. This led to the conclusion that *M. deboeri* is a junior synonym of *Sphenarches zanclistes* (Meyrick, 1905).

Sphenarches zanclistes (Meyrick, 1905)

Oxyptilus zanclistes Meyrick, 1905: 582. LT: Burma.

Megalorhipida deboeri Gielis, 2003: 357. LT: Indonesia, Irian Jaya. **Syn. n.**

Material: 1♂, JAPAN, Yabuchi-jima, Uruma-shi, Okinawa Pref. (Okinawa Island), 20-24.viii.2012, em. 5–10.viii.2012 (leg. S. Tominaga), e.l. flower bud *Clerodendrum trichotomum* var. *esculentum*

(Verbenaceae), gen. Mano 1434 (Coll. T. Mano); 3♂, 4♀, same data; 1 male, JAPAN, Kochinda, Yaese-cho, Okinawa Pref. (Okinawa Island), 10.ix.2002 (leg. S. Tominaga), e.l. flower bud *Clerodendrum trichotomum* var. *esculentum* (Verbenaceae), gen. Mano 1101 (Coll. T. Mano); 1♂, same locality, 7.ix.2002 e.l. same host, gen. Mano 1436 (Coll. T. Mano); 1♂, 1♀, same locality, 22-30.viii.2004 (leg. S. Tominaga), e.l. same host (Coll. RMNH); 5♂, 2♀, same locality, 10–19.viii.2002 (leg. S. Tominaga) (Coll. T. Mano, RMNH); 1♂, JAPAN, Itoman-shi, Okinawa Pref. (Okinawa Island), 12.viii.2004 (leg. S. Tominaga), e.l. flower bud *Clerodendrum trichotomum* var. *esculentum* (Verbenaceae) (Coll. T. Mano); 2♀, JAPAN, Mt. Otohadake, Nakijin-son, Okinawa Pref. (Okinawa Island), 8.ix.2008 (leg. M. Kimura) (Coll. T. Mano); 1♀, JAPAN, Banna-park, Tonoshiro, Ishigaki-shi, Okinawa Pref. (Ishigaki Island), 20.xii.2011 (leg. T. Hanatani) (Coll. T. Mano); 1♀, JAPAN, Midara, Taketomi-cho, Okinawa Pref. (Iriomote Island), 13.xii.2012 (leg. M. Kimura) (Coll. T. Mano); **New hostplant. New for Japan.**

2♀, THAILAND, Wiang, Pa Pao, Chang Rai, 1-5.v.2001 (Coll. T. Mano). **New for Thailand.**

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