

New record of *Teinopalpus aureus* in Bach Ma mountain, central Vietnam

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Abstract

Teinopalpus aureus was discovered to occur in a mountain of Bach Ma, Thua Thien Hue province, central Vietnam. Up to date, the species has been recorded in ten provinces of Vietnam.

Keywords

Central Vietnam, Mountain peak, *Teinopalpus aureus*

Introduction

In Vietnam, *Teinopalpus aureus* has two subspecies: *T. a. shinkaii* and *T. a. eminens* (Vu, 2012). It has been recorded from northeastern (Cao Bang), northwestern (Yen Bai) to central (Thanh Hoa, Nghe An, and Ha Tinh), and southern (Khanh Hoa, Lam Dong, and Dak Nong) provinces (Monastyrskii, 2007; Shinkai, 1996; Vu, 2012; Yokochi et al., 2015; Vu, 2015). *T. a. shinkaii* occurs from northern to central regions, whereas *T. a. eminens* occurs in southern Vietnam.

Material and method

Butterflies were observed on a mountain peak of Bach Ma in Thua Thien Hue province, at 1,450 m a.s.l. (Fig. 1). The surveys were conducted from 2015 to 2018 in April, May, and June. Several males of *T. aureus* were observed in April and May; but no observation was recorded in June. Only two males were collected in April 2017 and 2018. The Bach Ma peak is a high mountain, covered with a vast primary forest, in the Thua Thien Hue province in central Vietnam (Fig. 1).



Fig. 1. Mountain forest of Bach Ma, Thua Thien Hue.

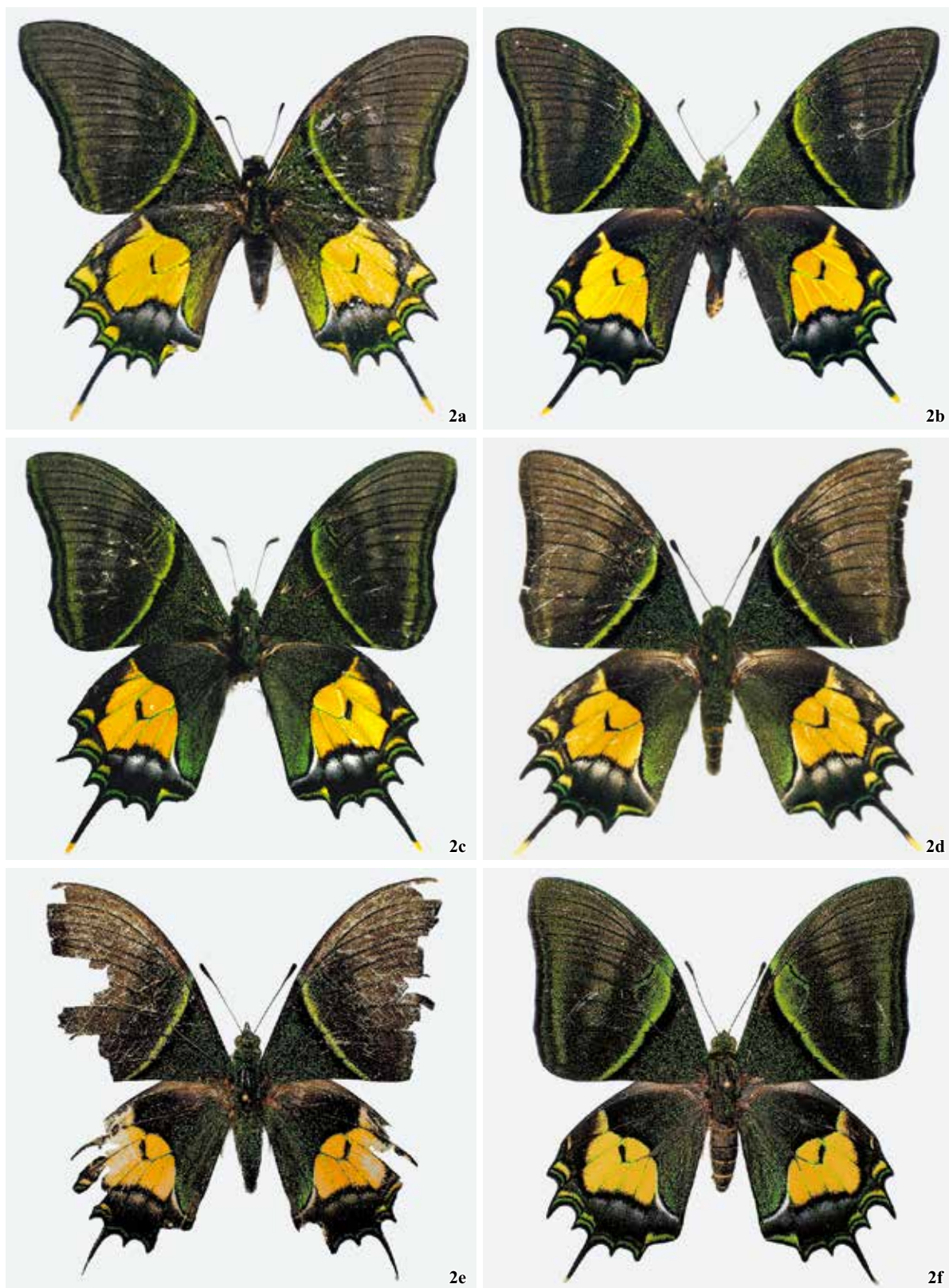


Fig. 2. *Teinopalpus aureus shinkaii* (2a, 2b, 2c, 2d) and *T. a. eminens* (2e, 2f).

2a. *T. a. shinkaii*, Yen Bai province. **2b.** *T. a. shinkaii* Vinh Phuc province. **2c.** *T. a. shinkaii*, Nghe An province. **2d.** *T. a. shinkaii*, Thua Thien Hue province. **2e.** *T. a. eminens*, Khanh Hoa province. **2f.** *T. a. eminens*, Lam Dong province.

Results and Discussion

Teinopalpus aureus was recorded newly in a mountain of Bach Ma, Thua Thien Hue province. The specimens recorded in Bach Ma is, at present, likely of the subspecies *T. a. shinkaii*, which occurs in northern and central Vietnam (Thanh Hoa, Nghe An, and Ha Tinh, Fig. 2a, b, c, d) from the distribution of the subspecies. The other subspecies, *T. a. eminens*, occurs in southern Vietnam (Fig. 2e, f). The two subspecies differ mostly in size of the yellow part of hindwing cell (Vu, 2015). Although, the yellow part of hindwing cell of the specimen from Thua Thien Hue appears a little smaller than the other specimens from northern Vietnam (Fig. 2d). More specimens and further research are required for elucidation of differences between these subspecies.

By the discovery of Bach Ma population, *T. aureus* is now known to occur in ten provinces of Vietnam, from north-eastern (Cao Bang), northwestern (Yen Bai) to central (Thanh Hoa, Nghe An, Ha Tinh, and Thua Thien Hue), and southern (Khanh Hoa, Lam Dong, and Dak Nong) provinces (Monastyrskii, 2007; Shinkai, 1996; Vu, 2012; Yokochi *et al.*, 2015; Vu, 2015) (Fig. 3).

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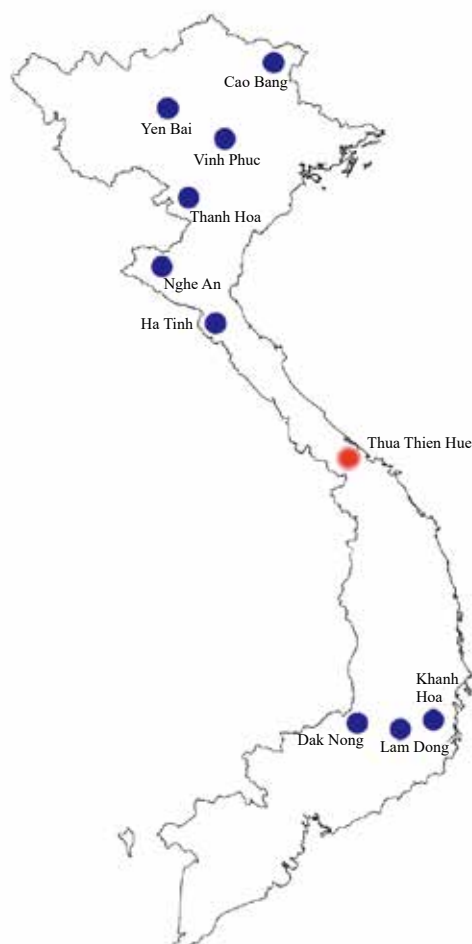


Fig. 3. The occurrence of *Teinopalpus aureus* in Vietnam. The present record ●, the newly record ●.

〔和文摘要〕

ベトナム中部（Bach Ma 山）からのテングアゲハの新記録

ベトナム中部のトゥアティエン＝フエ省における Bach Ma 山においてテングアゲハを採集したので報告する。本記録はベトナムでは 10 省目となるものである。

ベトナムのテングアゲハは、北部には亜種 *shinkaii* が、南部には亜種 *eminens* が分布するとされる。今回得られた個体は、後翅表面黄斑の形状等から判断して *shinkaii* に属するものと思われる。ただし、Bach Ma 山の個体は、後翅表面黄斑がやや小さい傾向がみられるので、亜種の帰属については今後検討が必要である。（文責：宇野 彰）