

# A New Species of the Genus *Capila* Moore (Lepidoptera: Hesperiiidae)

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**Abstract:** The new species *Capila neolineata*, sp. n. from Nanling Natural Reserve, Guangdong Province is described and illustrated. This species can be separated from the related species *Capila lineata* Chou et Gu, 1994 from Hainan by larger size, broader wing markings and male genitalia.

**Key words:** Hesperiiidae; *Capila*; new species; Nanling Natural Reserve; China

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The skipper genus *Capila* Moore was established in 1865 with *Capila jayadeva* Moore as the type species. Evans<sup>[1]</sup> recorded 9 species in his monumental work on Eurasian skippers. Recently, Chou and Gu<sup>[2,3]</sup> added three more species from China. In this paper, a new species, which was collected in Nanling National Natural Reserve of Guangdong Province, is described.

***Capila neolineata*, sp. n.** (Fig. 1)

♂ Forewing length 30 mm, antenna length 15 mm.

Palpus short and stout, yellow except for the dorsal end of the second segment and the short third segment brown.

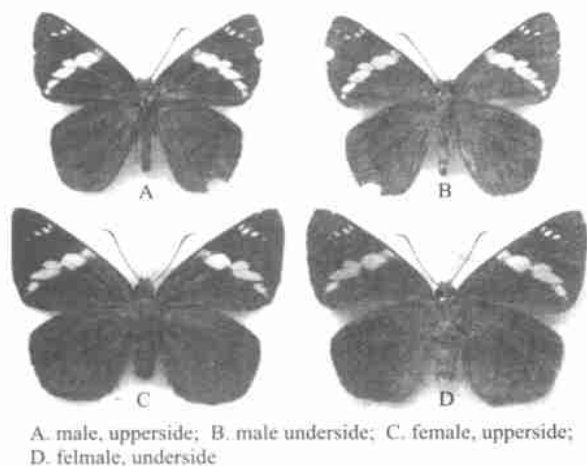


Fig. 1 Adults of *Capila neolineata*, sp. n.

**Upperside.** Forewing ground color dark brown with some white spots constituting two slant series in discal and subapical areas. The slant discal series from mid-costa to tornus consisting of irregular spots. The subapical slant series consisting of 5 separated small spots with the lower two much smaller in size, the third and the fourth spots slightly shifted outwardly. Cilia brown. Hindwing ground color similar to that on forewing, submarginal area with a long elliptic-shaped dark spot each in space Sc+R<sub>1</sub>, Rs, M<sub>1</sub>, M<sub>2</sub>, M<sub>3</sub>, Cu<sub>1</sub> medially. Cilia brown.

**Underside.** Ground color and wing markings similar to those on upperside except for the dark spot in space Sc+R<sub>1</sub> on hindwing is much more distinct.

**Male genitalia** (Fig. 2). Tegument hood-like with narrowed lower part; vinculum about 2/3 high as tegumen; saccus broad and short; uncus broad and strong, with two small blunt processes; gnathos long and slim, bent archly, with distal ends fused; valva broad with distal half 3 branched, the lower branch the longest, the upper two with spines distally; aedeagus slim, suprazonal sheath with distal half curved downwardly, subzonal sheath gradually narrowed basally; cornuti well developed; juxta plate-like with 2 lobes distally.

♀ Forewing length 31 mm, antenna length 16 mm.

Wing markings similar to male, with the hindwing tement less arched.

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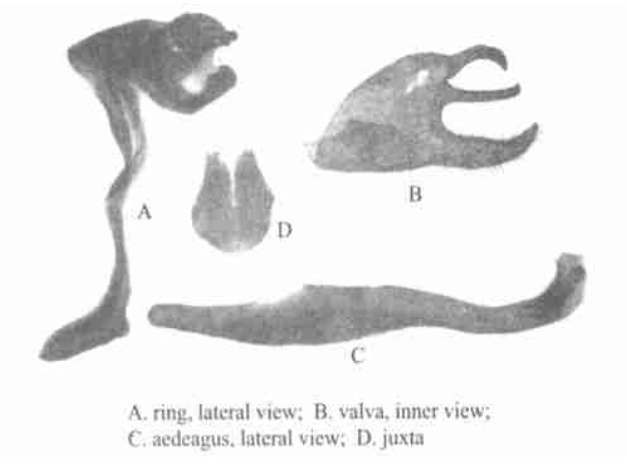


Fig. 2 Male genitalia of *Capila neolineata*, sp. n.

**Female genitalia** ( Fig . 3 ) . Genital plate well developed ; lamella antevaginalis reverse ladder - shaped ,

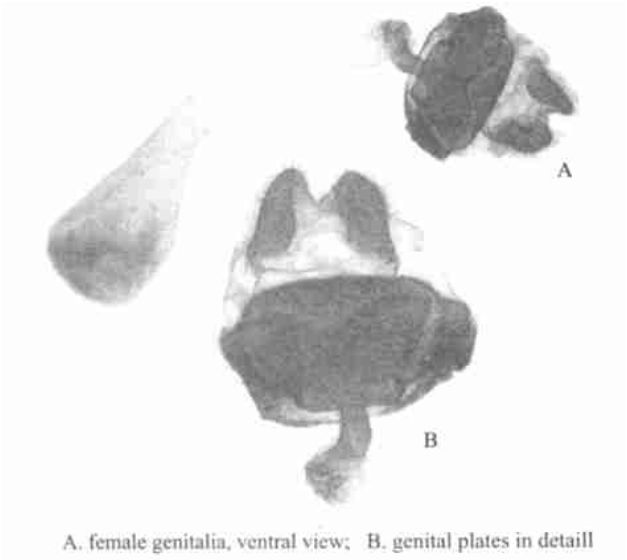


Fig. 3 Female genitalia of *Capila neolineata*, sp. n.

upper margin V-shaped concurred; lamella postvaginalis larger, with lateral process on lateral side; ductus bursae short and heavily sclerotized dorsally; bursa copulatrix long and gradually broaden with wrinkles medially; signa absent; apophysis posterioris long and slim; papilla analis stout, completely sclerotized.

Holotype ♂, Ruyuan County, Guangdong Province, 1996-VI-12, leg. Wang Min. Paratype 1 ♀, same data as holotype. Kept in Lab. of Insect Ecology, South China Agricultural University. The new species is closely allied to *Capila lineata* Chou et Gu<sup>[2,3]</sup> from Hainan in the wing pattern and male genitalia, and the main differences are as follows:

- (1) Larger in size;
- (2) The slant white discal series on forewing with spots much broader, with 2 white spots in front of the cell;
- (3) The subapical series on forewing with the third and the fourth spots shifted outwardly;
- (4) The upper branch of valva slightly longer.

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大弄蝶属 *Capila* 一新种(鳞翅目: 弄蝶科)

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摘要: 记述了采自南岭自然保护区的大弄蝶属 *Capila* 一新种, 即拟纹大弄蝶 *Capila neolineata* sp. nov.. 新种与海南产的线纹大弄蝶 *Capila lineata* Chou et Gu, 1994 相似, 主要区别在于: 体形较大; 前翅靠近顶角白斑列的后两个白斑小并向外偏移, 不成斜线; 中域白带宽, 前端伸过径脉, 几达前缘,  $M_3$  室处明显突出; 抱器末端的下部突起较长.

关键词: 弄蝶科; 大弄蝶属; 新种; 南岭自然保护区; 中国

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