

广东小毛瓢虫新种记述

(鞘翅目:瓢虫科)

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广东省龙门县南昆山自然保护区,位于北回归线上,植物种类丰富,瓢虫种类也较多。我们准备继续采集和整理。本文记述属于小毛瓢虫属的两新种。模式标本保存于华南农业大学昆虫标本室。量度均为毫米。

南昆小瓢虫 *Scymnus (Pullus) nankunicus* 新种

雄 体长1.4;体宽1.0。虫体外缘卵形,中度隆起,背面披黄白色绒毛,鞘翅上绒毛排列成“S”形。头部黄色,复眼黑色,上颚末端黄褐色。前胸背板浅黄褐色。小盾片黑褐色。鞘翅黑褐色,但末端之半浅黄褐色,黄褐色部分的前缘成弧形(图1a)。腹面前胸背板缘折黄色,前胸腹板黄褐,中后胸腹板黑褐,腹基部中央黄褐,向末端及向两侧渐次浅黄褐色。足黄,但基节黄褐色。

额宽稍大于复眼横径。头部具微小刻点。前胸背板上刻点细密,刻点间距相当于刻点直径。鞘翅上刻点粗而密,似由若干小刻点组成,刻点间距亦相当于刻点直径。前胸腹板为正常的“T”形,纵隆线明显,纵隆线围绕区成梯形,基缘宽度约为前缘宽的2倍,长约为基缘宽的2倍,内有若干小刻点。后基线完整,伸达前缘;后基线围绕区内具粗大刻点,刻点分布不均匀,沿后基线的内方光滑无刻点(图1b)。雄性外生殖器特征如图1c,1d,弯管末端之前稍收缩,中叶宽短,侧叶稍长于中叶。

正模 ♂1,编号841017-1,1984年10月13日庞雄飞采自广东省龙门县南昆山竹林内。

副模 ♂1,编号850213-3,1984年8月24日庞雄飞采自福建省邵武市柑桔园内。

注: 本种鞘翅色斑近似于 *Nephus arcuatus* Kapur (Kapur, 1951),但后者属于 *Nephus* Mulsant,其雄性外生殖器中叶狭长,且侧叶弯曲,易于与本种相区别。本种鞘翅上色斑亦与 *Pseudoscymnus hareja* (Weise) (Sasaji, 1971)的一些色型相似,但后基线围绕区内的刻点,以及雄性外生殖器特征差异甚大。

龙门小毛瓢虫 *Scymnus (Scymnus) longmenicus* 新种

雄 体长2.2;体宽1.6。虫体外缘卵形,中度隆起,背面披黄白色绒毛,鞘翅上绒毛排列成“S”形。头部黄褐色。前胸背板黄褐,基部中央有一三角形黑褐色斑。小盾片黑褐

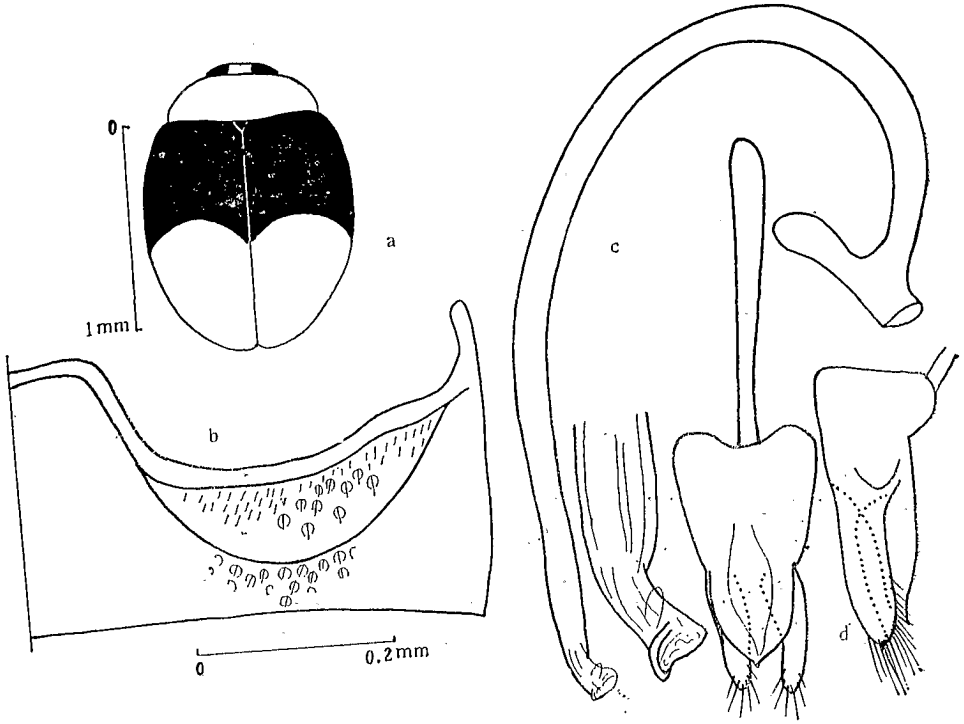


图1 南昆小瓢虫 *Scymnus (Pullus) nankunicus* sp. nov.
a. 成虫外形; b. 后基线; c. 弯管; d. 阳基

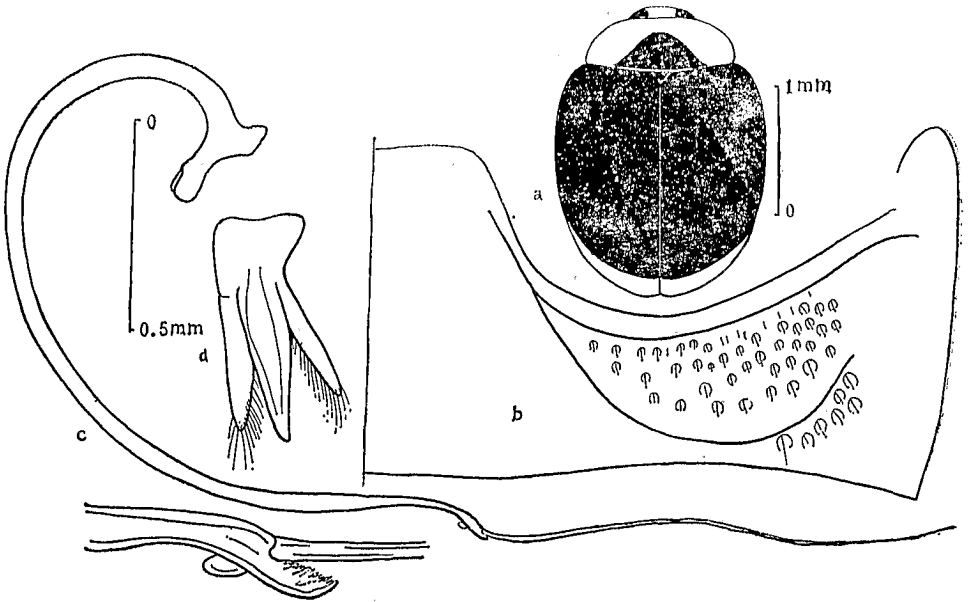


图2 龙门小毛瓢虫 *Scymnus (Scymnus) longmenicus* sp. nov.
a. 成虫外形; b. 后基线; c. 弯管; d. 阳基

色。鞘翅黑褐，末端黄褐色(图 2a)。腹面前胸背板缘折黄褐。前胸腹板黄褐，但基部边缘黑褐色。中、后胸腹板及鞘翅缘折黑褐色。腹部第一腹板中央黑褐，两侧及其余各节黄

褐。足黄褐色。

额宽与复眼横径相似。头部刻点细小,与复眼的小眼面大小相似,刻点间距相当于刻点直径2倍。前胸背板上的刻点稍粗大,刻点间距相当于其直径的0.5—1倍。鞘翅上的刻点粗大,刻点间距相当于刻点直径;在小盾片之后各鞘翅上有二列明显粗大刻点向后及向外斜伸达鞘翅的1/2处。前胸腹板上具纵隆线,纵隆线围绕区梯形,基缘宽约为前缘宽的2倍,长约为基缘宽的3倍,内有细密刻点。后基线向后弯曲达腹板长度的7/8,而后上弯,止于腹板长度的1/2处。后基线围绕区内刻点粗大,但略小于围绕区外的刻点,且分布不均匀,沿后基线内侧光滑无刻点(图2b)。第五腹板后缘平直而中部稍内凹,第六腹板后缘弧形外突。

雌 体色及外形特征与正模相同,但第五腹板及第六腹板后缘均弧形外突。

正模 ♂1, 编号841015-1, 1984年10月13日庞雄飞采自广东省龙门县南昆山竹林内。

配模: ♀1, 编号及采集地点、日期与正模相同。

副模: 雌、雄共6头, 编号及采集地点、日期与正模相同。

注: 前胸背板及鞘翅上的色斑与本种相似的甚多, 但本种雄性外生殖器的特征比较特殊, 具甚为细长的端丝, 易于与其他近似种相区别。

参 考 文 献

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NEW SPECIES OF *SCYMNUS* FROM GUANGDONG PROVINCE (COLEOPTERA: COCCINELLIDAE)

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This paper deals with two new species of *Scymnus* Kugelann, collected from the Nankun mountain natural resource protection area, Guangdong Province, South China. The type specimens are deposited in the Entomological Museum of the South China Agricultural University.

Scymnus (Pullus) nankunicus sp. nov.

Male.—Length 1.4 mm. width 1.0 mm. Form oval in outline, moderately convex. Dorsal pubescence yellowish white. Head and pronotum yellow to light yellowish brown; scutellum dark brown; elytron dark brown (fig. 1a). The colour form alike to the *Nephus arcuatus* Kapur (Kapur, 1951), but differs with the generic characters and the characters of the genitalia (fig. 1e, 1d).

Holotype. male, China: Guangdong province (Nankun mountain natural protection area), 13, X, 1984, X. Pang.

Paratype.-Male, China: Fujian province (Shaowu), 24. VII. 1984, X. Pang.

Scymnūs (Scymnus) longmenicus sp. nov.

Male.-Length 2.2 mm. width 1.6 mm. Form oval in outline, moderately convex. Dorsal pubescence yellowish white. Head yellowish brown; pronotum yellowish brown with large, basal, median, dark brown spot, extending from basal margin to the middle; scutellum dark brown; apex of elytra narrowly yellowish brown (fig. 2a). The colour form allied to many other species, but differs from the others with the genitalia characters, especially with the long siphonal tip (fig. 2c).

Holotype male, China: Guangdong province (Nankun mountain natural resource protection area), 13, X, 1984, X. Pang.

Allotype.-Female, same data as in Holotype.

Paratypes.-6 males and females, same data as in holotype, with variation of the length 2.1—2.4 mm. width 1.5—1.7 mm.