

# 中国平盲蝽属新种记述\*

## (半翅目:盲蝽科)

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平盲蝽属 *Zanichius* Distant 属盲蝽科 (Miridae) 合垫盲蝽亚科 (Orthotylinae), 其特征为身体背面平, 纤弱, 淡色; 体被浅色半直立毛; 头顶较平, 近于方形; 眼向侧面突出, 位于头的前部; 头的眼后部分大, 不甚细缩; 翅合拢时背面平, 透明或半透明。目前本属全世界已记述十二种, 在我国, 1915年 Poppius 在台湾发现一种, 现又发现两新种。正模和配模存中国科学院动物研究所, 副模存南开大学生物系。文中所用长度单位为 mm。

### 绿斑平盲蝽, 新种 *Zanichius marmoratus* sp. nov. (图1—4)

黄褐色, 体被金黄色斜立毛, 前翅具淡绿色大斑(有时不甚清晰), 眼大, 向侧方突出, 小眼面颗粒状; 额微呈弧形突出, 其前缘与眼的前缘几在同一直线上; 头顶平, 眼间距为眼宽的两倍, 其眼后部分长, 几不细缩, 略呈横长方形, 其后缘具棱脊, 眼内侧具一倒“八”字形的痕迹, 或微下陷; 头与身体长轴垂直, 从前面观, 眼圆球形, 唇基明显隆起, 基半较宽; 侧叶中部, 触角窝的下方具一小瘤突; 颊稍呈弧形。触角黄褐, 第1节粗, 具直立长毛, 毛长稍长于第2节的直径, 其外侧及末端, 第2节近基部及基部 3/5 和第3节的基部黑色或黑褐色, 第3、4节色暗。喙细长, 超过后足基节, 几达腹部中部。前胸背板光滑, 无刻点, 在中部横缢, 前叶微突, 后叶较平, 后叶两侧稍翘起, 显得具一宽边, 侧缘直, 前缘弯, 具棱脊, 后缘在中胸盾片前直, 但两侧角向后突出。中胸盾片窄长, 小盾片微突, 光滑。半鞘翅透明, 前缘微向前拱, 毛被黄褐, 斜立, 翅合拢时明显比前胸宽, 革片具四块绿色斑, 自基部至端部等距分布, 爪片具两块绿斑, 分别位于中部及末端, 楔片端部及膜片翅室翠绿色, 这些斑块在多数情况下不甚清晰, 只现露不规则的淡绿色斑。身体腹面一色黄褐, 足除具一般黄褐色短毛外, 股节另具少量长毛, 毛长与眼间距相等。雄性外生殖器构造比较简单, 左抱器如图2、3, 右抱器如图1, 阴茎端刺为两个镰刀状细长的钩子, 如图4所示。体长3.4, 头长0.3, 宽0.65, 眼间距0.28, 触角各节长 I:II:III:IV = 0.35:1.40:0.9:1.0。前胸背板长0.37, 前缘宽0.35, 后缘宽0.90, 小盾片长0.35, 宽0.5, 爪片长1.35, 革片长1.80, 楔片长0.45, 宽0.25, 爪片端至膜片端长1.40。

正模♂, 配模♀, 云南西双版纳(小勐养) 1958. VIII. 21; 配模17♀9♂♂, 云南西双版纳(小勐养, 大勐龙、勐混), 郑乐怡采。

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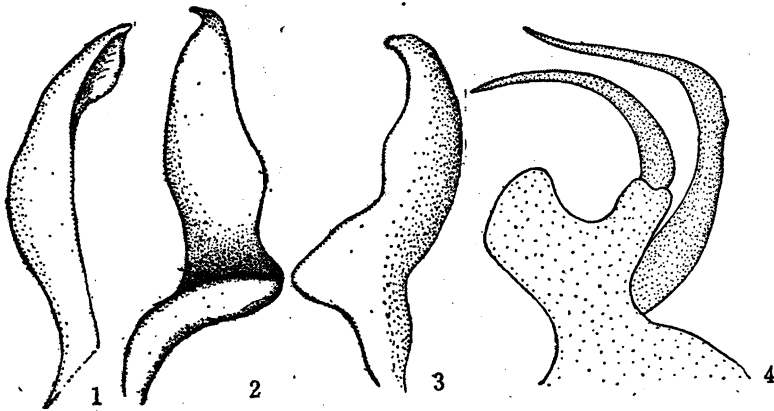


图 1—4 绿斑平盲蝽, 新种 *Zanchius marmoratus* sp. nov.

1. 右抱器 (right paramere) 2, 3. 左抱器不同方位 (left paramere viewed from different directions) 4. 阳茎端刺 (vesica)

本种与 *Zanchius apicalis* Poppius 相似, 但前胸背板和小盾片一色, 半鞘翅具绿色斑块, 触角第 2 节长为第 1 节长的 4 倍, 近基部和基部 3/5 具两个黑色环, 末端非红褐。它与 *Zanchius gubernator* (Distant) 也相似, 但触角具黑色环, 股节基半非灰白色。它与 *Zanchius flavovirens* (Poppius) 的不同在于触角第 1 节非橘红, 第 2 节具黑色环, 股节基部的颜色也不同。

#### 五斑平盲蝽, 新种 *Zanchius quinquemaculatus* sp. nov. (图 5—9)

黄褐色, 半鞘翅带有淡绿色的色彩, 身体背面具五个橘红色的大斑, 体具黄褐色斜立毛。额, 头顶及眼后部分比较饱满, 圆鼓, 毛被较密, 毛长与触角第 1 节端部粗相等; 眼大, 突出, 眼间距为眼宽的 1.5 倍, 眼后部分的两后侧角圆弧形, 后缘无棱脊; 唇基明显突出, 两侧平行; 触角窝与眼相接触; 触角黄褐色, 密被细毛, 第 1 节粗, 橘红色, 与股节末端粗相等。并具暗红色斜立毛, 第 4 节黑褐色。喙细长, 黄褐色, 超过腹部中部。前胸背板在中部横溢, 横沟深, 胫区微隆起, 前缘具棱脊, 侧缘直, 后缘微弯, 后叶两侧具宽边, 毛被直立和半直立, 毛长与触角第 1 节粗约等。中胸盾片宽, 其宽度与前胸背板后叶的长度相等。小盾片微突, 末端橘红色。半鞘翅淡绿色, 前缘较直, 具黄褐色斜立毛, 毛长与前胸的毛相同, 爪片基部 2/3 处具一橘红色斑, 革片亦具一橘红色斑, 位于相当爪片末端处; 楔片长, 末端尖, 长为宽的两倍; 膜片与翅同色。翅与胸部的关节明显向外突出, 因此两翅基的宽度远大于前胸的宽度 (*Zanchius alatanus* Hoberlandt 相似)。身体腹面一色黄褐, 股节除具黄褐色短毛外还具少量长毛, 毛长约与触角第 1 节长相等。雄性外生殖器构造复杂, 第九腹板明显不对称如图 9, 左抱器构造非常复杂如图 6, 7, 右抱器如图 5, 阳茎端刺如图 8。体长 3.0, 头长 0.3, 宽 0.6, 眼间距 0.25, 触角各节长 I:II:III:IV = 0.25:1.25:0.8:0.8; 前胸背板长 0.3, 宽 0.75; 小盾片长 0.35, 宽 0.45; 爪片长 1.25, 革片长 1.75, 楔片长 0.5, 宽 0.25, 爪片端至膜片端长 1.30。

正模♂, 副模 2♂♂, 云南西双版纳(小勐养), 1958. VIII. 21, 郑乐怡采。

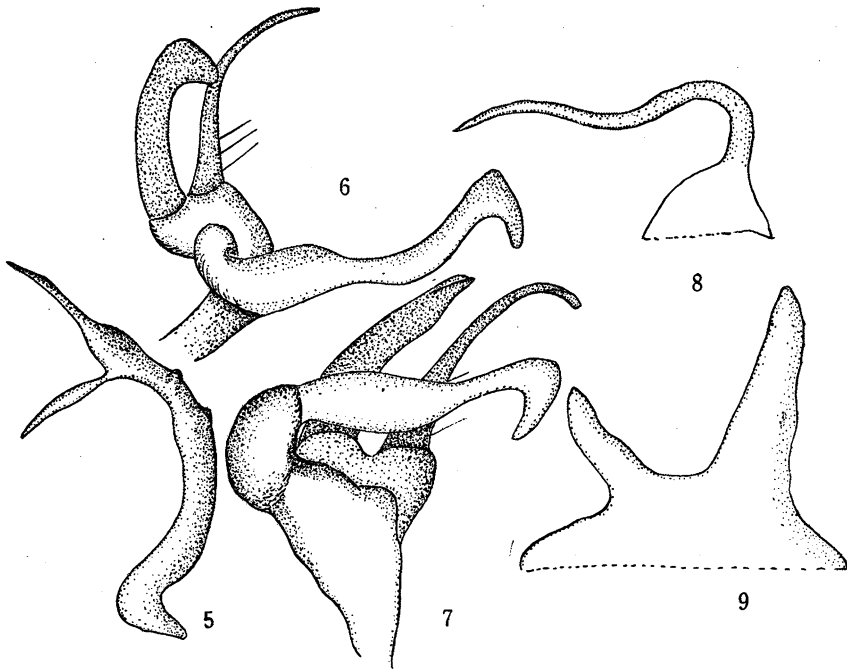


图 5—9 五斑平盲蝽, 新种 *Zanchius quinquemaculatus* sp. nov.

5. 右抱器 (right paramere) 6, 7. 左抱器不同方位 (left paramere viewed from different directions) 8. 阳茎端刺 (vesica) 9. 第 9 腹板 (sternum IX)

本种身体背面具五个橘红色斑可明显区别于同属的其他种。

## DESCRIPTIONS OF TWO NEW SPECIES OF *ZANCHIUS* FROM CHINA

(HEMIPTERA: MIRIDAE)

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The present paper gives the descriptions of two new species, belonging to *Zanchius* Distant of Orthotylinae, collected from Yunnan, China. All holotypes and allotypes are deposited in the Institute of Zoology, Academia Sinica. All measurements in descriptions are in mm.

### *Zanchius marmoratus* sp. nov. (figs. 1—4)

Ochraceous, covering with ochraceous semierect pubescence, hemelytra with light green maculae. Eyes large, protuberant and conspicuously set forward; frons weakly convex, not produced beyond anterior margin of the eyes as viewed from above. Head not constricted behind eyes, posterior margin with a transverse carination, inner side of each eye with an elliptical pit; clypeus convex, but not visible from above, the median part of jugum with a small tubercle.

Outer side and apex of antennal segment I, sub-basis and basal 3/5 of segment II, and base of segment III blackishbrown, segment III & IV darker. Rostrum passing the metacoxa, nearly reaching the middle of abdomen. Pronotum smooth, with a transverse impression at middle, anterior lobe weakly convex, lateral margin of posterior lobe wider and flat. Hemelytra subhyaline, anterior margin weakly convex, corium with 4 green maculae, arranged longitudinally, clavus with 2 green maculae, but sometimes the maculae indistinct, cuneus and cell of membrane green. Ventral side of body unicolourous, ochraceous; femur with a few long hairs (about the length of interocular space). Male genital parameres and vesica as shown in figs. 1—4.

Total length 3.4, head length 0.3, width 0.65, interocular space 0.28, antennal segments length=0.35:1.4:0.9:1.0. Pronotum length 0.37, width 0.9, clavus length 1.35, corium length 1.8, cuneus length 0.45, width 0.25, apex clavus-apex membrane length 1.4.

Holotype ♂, allotype ♀, paratypes 17♀♀9♂♂, Xishuangbanna, Yunnan, 21. VIII. 1958, collected by Zheng Le-yi.

Allied to *Zanchius apicalis* Poppius, but pronotum and scutellum unicolour, hemelytra with green maculae, antennal segment II with 2 black rings, apex ochraceous, the length of antennal segment II 4 times as long as segment I. It is also similar to *Zanchius gubernator* (Distant), but antennal segment II with black rings, basal part of femur not greyish-white. Differing from *Zanchius flavivirens* (Poppius) in antennal segment I not orange, sub-basis and basal 3/5 of antennal segment II black, femur ochraceous.

***Zanchius quinquemaculatus* sp. nov.**(figs. 5—9)

Ochraceous, hemelytra tinged with green, dorsum with 5 orange spots, one of them on the apex of scutellum, one on the basal 2/3 of clavus, the others on the distal 1/3 of corium. Frons and vertex tumid, and the part behind eye getting rounded, posterior margin not carinate. Antennae ochraceous, segment I thick, orange, with castaneus hairs, segment IV brown. Rostrum reaching the middle of abdomen. Male genital parameres, vesica and sternum IX as shown in figs. 5—9.

Total length 3.0, head length 0.3, width 0.6, interocular space 0.25, antennal segments length=0.25:1.25:0.8:0.8. Pronotum length 0.3, width 0.75, clavus length 1.25, corium length 1.75, cuneus length 0.5, apex clavus-apex membrane length 1.30.

Holotype ♂, paratypes 2♂♂, Xishuangbanna, Yunnan, 21. VIII. 1958, collected by Zheng Leyi.

Different from other species of *Zanchius* by the presence of 5 orange spots on the dorsum.