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新疆蝗虫一新属一新种

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关键词 新属，新种，蝗虫，新疆

在整理新疆蝗虫标本时，发现一新属一新种。模式标本存放在中山大学昆虫学研究所标本室。

方板蝗属*Squaroplatacris*，**新属**

体中型。头短于前胸背板，颜面微倾斜，颜面隆起宽平、光滑，无纵沟。触角丝状。缺头侧窝。复眼长卵形。前胸背板前缘中央钝角切入，后缘钝角形凸出；中隆线及侧隆线均明显，三条横沟均明显割断中隆线，后横沟位于中部之前。前胸腹板突前面观近长方形，顶部钝圆，侧面观柱状。中、后胸腹板两侧叶均分开。前、后翅发达，略超过后足股节末端。后足股节匀称，上侧的上隆线平滑；上、下侧膝片顶圆形。缺外端刺。后足第一跗节颇长，长于第二、三跗节之和；中垫小，不到爪之半。鼓膜器发达。雌性肛上板近盾形；尾须短小，锥形；产卵瓣较粗短，末端钩状、光滑；下生殖板后缘近平直。

模式种：紫胫方板蝗*Squaroplatacris violatibialis*，新种

本属较特殊，从外形看与黑背蝗属*Euprepocnemis* Fieb. 和棒腿蝗属 *Tylotropidius* Stål较为相似，但本属后足股节上侧的上隆线平滑，前胸背板前缘中央钝角切入，前胸背板后横沟位于中部之前，前胸腹板突前面观近似长方形均明显与上述两属相区别。

紫胫方板蝗*Squaroplatacris violatibialis* sp. nov.

雌虫，体中型。头较短，其长为前胸背板长的2/3。颜面稍倾斜，与头顶形成钝圆形。颜面隆起宽平，光滑，无纵沟，两侧缘近平行，其宽约等于眼间距。头顶在复眼之前部分近梯形，宽为长的1.5倍；后头中央具隆线。触角丝状（标本残缺）。复眼长卵形，垂直直径为水平直径的1.7倍，为眼下沟的2.4倍。前胸背板前缘中央呈钝角切入，后缘钝角形凸出；中隆线微隆起，侧隆线明显；三条横沟明显割断中隆线，后横沟位于中部之前，沟后区长度为沟前区的1.25倍；侧片高与宽约相等，沟后区部分密具刻点，

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*蒙夏凯龄、印象初先生核对标本

前、后下角约为钝角。前胸腹板突前面观近长方形，顶端钝圆；侧面观柱状。中胸腹板侧叶宽大于长，中隔长约为宽的1.5倍；后胸腹板侧叶不毗连。前、后翅发达，略超过后足股节顶端。后足股节细长，长为最宽处的5倍，上侧之上隆线光滑，上、下侧膝片顶圆形；胫节端部略扩大，无外端刺，外侧具刺16—17个，内侧具刺14个；第一跗节长于第二、三跗节长之和，中垫小，不到爪之半。鼓膜器发达。肛上板近盾形，末端弧形；尾须短小，锥形；产卵瓣较粗短，末端钩状，光滑，上产卵瓣基部具钝齿。下生殖板后缘近平直。

体黄褐。头顶、后头深褐，前缘及两侧黄。颜面黄，颊褐，复眼深褐并具黄纵纹。前胸背板背面深褐，沿侧隆线具宽黄边，侧片浅褐。前胸腹板突浅黄。前翅臀脉域之前浅褐，基部色较深，端部较浅，并具大小不等的深褐斑，臀脉域浅黄，后缘基部浅褐。后翅透明，基部略带浅黄。前、中足黄褐。后足股节褐，近中部外侧上方、上侧及内侧上方具两个不明显黑褐斑，膝前环黄，上侧膝片黑褐；胫节基部浅黄，近基部及基1/3处具不明显的黑环，基部1/3以下紫红，胫节刺基部浅黄，端部黑；跗节背面浅紫，腹面浅黄。

雄性未知。

体长：♀41；前胸背板长：♀7；前翅长：♀32；后足股节长：♀19毫米。

正模♀，新疆伊犁，1982.6.14。

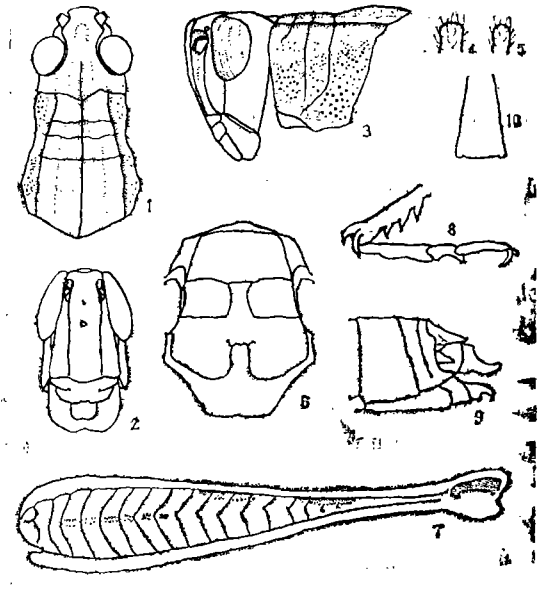

图1—10　紫胫方板蝗

Fig.1-10. *Squaroplatacris violatibialis* sp. nov.

1．头、前胸背板背面 (head and pronotum, dorsal) ♀

2．颜面正面 (face, front) ♀

3．头、前胸背板侧面 (head and pronotum, lateral) ♀

4．前胸腹板突正面 (prosternal spine, front) ♀

5．前胸腹板突侧面 (prosternal spine, lateral) ♀

6．中、后胸腹板 (meso-and meta-sternum) ♀

7．左后足股节外侧 (left hind femur, outer) ♀

8．左后足胫节末端 (terminalia of left hind tibia) ♀

9．雌虫腹端侧面 (terminalial, ateral, ♀)

10．雌虫下生殖板 (subgenital plate, ♀)

A New Genus and A New Species of Acridoidea from Xinjiang

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This paper reports a new genus and a new species of Acridoidea. The type specimen is deposited in the Research Institute of Entomology, Zhongshan University, Guangzhou.

Squaroplatacris new gen.

Size medium. Head shorter than pronotum. Face in profile slightly oblique, the frontal ridge smooth and without sulcus. Antennae filiform. Foveola absent. Eyes long oval. The center of the anterior margin of the pronotum obtuse-angularly truncated, posterior margin obtuse-angularly produced; median keel and lateral keels evident; the three transverse sulci evident, with metazona longer than prozona. Prosternal spine near square in front view. Mesosternal lobes and metasternal lobes separated. Elytra and wings fully developed, reaching a little beyond the apex of hind femur. The upper keel of hind femur smooth, kneelobes rounded. Outer apical spine absent. The first joint of hind tarsus a little longer than the two other together; arolium small, its length a little shorter than the half of the claws. Tympanum well developed. Supraanal plate of female shield form; cercus small and short, cone form; valves of ovipositor short, apex hooked, margins smooth; posterior margin of the subgenital plate almost straight.

Type species *Squaroplatacris violatibialis* sp. nov.

This new genus is strange. It looks like *Euprepocnemis* Fieb. and *Tylotropidius* Stål on surface, but differs by the upper keel of hind femur smooth, the centre of the anterior margin of the pronotum truncated obtuse-angularly, metazona longer than prozona and prosternal spine near square in front view.

Squaroplatacris violatibialis sp. nov.

Male unknown.

Length of body : ♀41; Length of pronotum : ♀7; Length of elytra : ♀32; Length of hind femur : ♀19mm.

Holotype ♀, Yili District, Xinjiang, North-west of China. 14. 6. 1982.

Keywords New Genus, New Species, Acridoidea, Xinjiang.