

### One new species of the subgenus *Lygcorides* YASUNAGA of genus *Lygocoris* REUTER from China (Insecta: Heteroptera: Miridae)

With 5 Figures

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**Abstract.** One new species of the mirine plant bugs, *Lygocoris* (*Lygcorides*) *affinis* spec. nov., is described. The male genital structure is illustrated. The type specimen is collected from China and deposited in the Department of Biology, Nankai University, P.R. China.

#### Introduction

YASUNAGA erected subgenus *Lygcorides* of the genus *Lygocoris* REUTER in 1991. He transferred *Lygocoris* (*Neolygus*) *rubronasutus* (LINNAUORI, 1961) to his monotypic new subgenus as type species. The present paper describes a new species from China which is the second member of this subgenus.

#### *Lygocoris* (*Lygcorides*) *affinis* LU et ZHENG spec. nov. (Figs. 1–5)

Body oval, slightly elongated, dorsal surface covered with dense golden pubescence. Head subvertical, pale reddish brown, smooth and shining, with short and sparse hairs; vertex 0.37 times as wide as head in male; lacking median furrow and basal transverse carina; apex of tylus dark brown; epipharynx dark brown. Antennal segment I pale yellowish brown; segment II incrassate, pale yellowish brown, base brown, apical half black; segment III and IV dark brown except each base pale yellowish brown. Rostrum yellowish brown except apical  $\frac{3}{4}$  of segment IV black, reaching hind coxae.

Pronotum pale reddish brown, shining, punctures dense, small and shallow. Scutellum pale reddish brown, finely rugulose. Hemelytra yellowish brown except apical  $\frac{1}{2}$  of cuneus dark brown; cuneus about 1.6 times as long as its basal width; membrane smoky brown, veins brown.

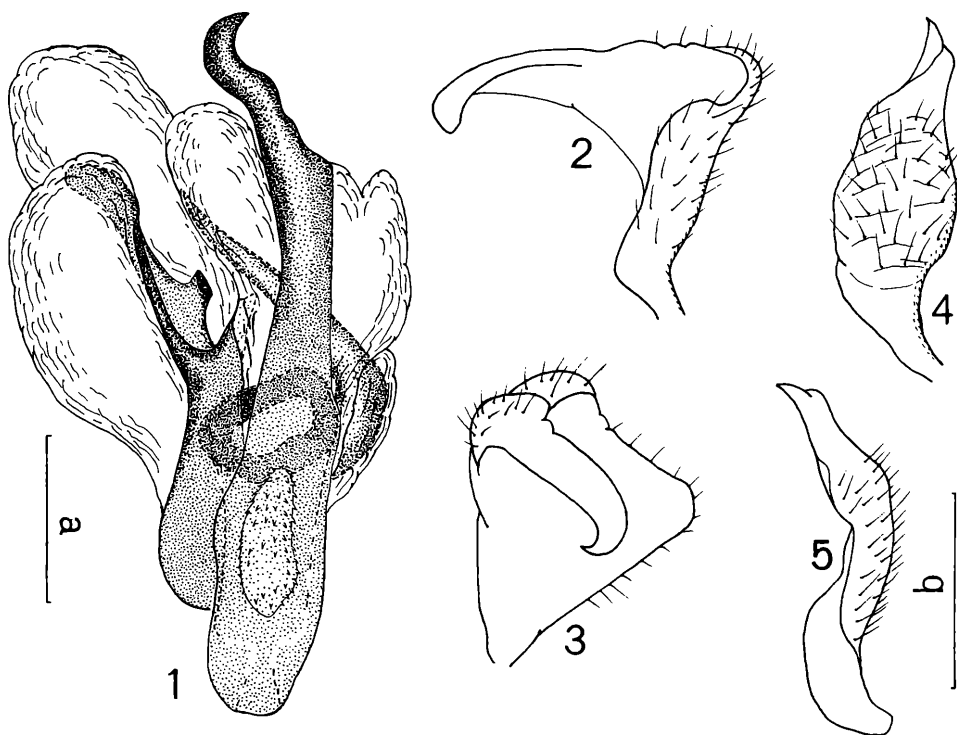
Body beneath yellowish brown, tinged with reddish orange. Legs yellowish brown, each femur with 2 pale red to reddish brown subapical rings, hind femur with an additional red wide ring at middle; tibial spines brown, without dark basal spots; tarsal segment III dark brown.

Structure of male genitalia: Sensory lobe of left paramere strongly enlarged and bended, triangular in shape; right paramere robust, finely rugulose, with a small pointed hypophysis. Vesica lacking spicule; rasp lobe covered with short spines; with a sclerotized and branched plate structure in the middle; conjunctival lobes 4, two of which with a lateral sclerotized needle respectively.

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Figs. 1–5: Male genitalia of *Lygocoris (Lygocorides) affinis* LU et ZHENG spec. nov.: 1 – vesica; 2 – left paramere; 3 – left paramere in lateral view; 4 – right paramere; 5 – right paramere in lateral view. Scales: a = 0.2 mm (for 1), b = 0.3 mm (for 2, 3, 4, 5).

Measurements (mm): Body length 5.95, maximal width 1.89. Head length 0.33, width 1.18. Antennal segments lengths 1.09 : 2.79 : 1.46 : 0.88. Pronotum length 1.13, width 2.12. Corium length 3.06, claval commissure length 1.26, cuneus length 0.99.

Holotype ♂, China: Shaanxi Province (Liuba County: Miaotaizi [N 33.6, E 106.8]), 2. viii. 1994, light trap, N. LU leg.

Remarks: The new species closely resembles the another species of the subgenus, *L. (Lygocorides) rubronasutus* (LINNAVUORI) in body form and general coloration, but can be easily distinguished by the dark brown apex of tylus, dark brown apical half of cuneus and the different parameres and vesica.

#### References

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