

## A new genus of the tribe Ducetiini (Orthoptera: Tettigoniidae: Phaneropterinae)

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*Abaxisotima* gen. n. is described for three Chinese species previously included in the genus *Shirakisotima* Fur.

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Some Chinese species of the tribe Ducetiini were erroneously included in the genus *Shirakisotima* Furukawa, 1963 (Wang & Liu, 1996; Gorochov & Kang, 2002) described for a single Japanese species, *Isotima japonica* Matsumura & Shiraki, 1908. *I. japonica* is more or less similar to these Chinese species in the structure of abdominal apex (Figs 3, 7, 10, 11), but clearly differs in the rostrum of head with long paired inflations at hind part (lateral ocelli are situated on outer sides of these inflations) (Fig. 2), very different structure of the male stridulatory apparatus (Fig. 1), and some features of the male genitalia (Fig. 4). Of prime importance is the absence of additional longitudinal vein in dorsal area of male tegmina (behind mirror) in *Sh. japonica* (Fig. 1), as the presence of this vein is one of diagnostic characters of Ducetiini.

Genus *Abaxisotima* gen. n.

Type species: *Shirakisotima furca* Gorochov & Kang, 2002.

**Diagnosis.** Rostrum of head at hind part with weak and short inflation, bearing lateral ocelli almost on upper side (Fig. 6). Upper tegmen of male without any distinct longitudinal vein between middle part of stridulatory vein and lateral edge of dorsal area, but with additional longi-

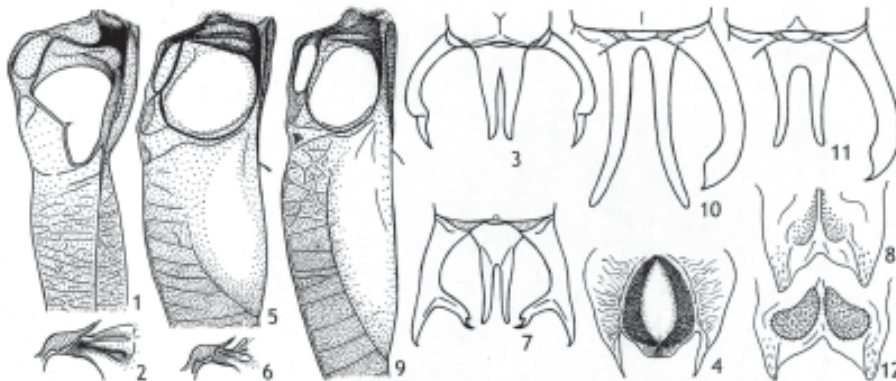
tudinal vein in more distal part of this area (as in all other genera of Ducetiini); lower tegmen of male with rounded mirror and large mirror-like transparent cell situated between mirror, lateral edge of dorsal area, and longitudinal additional vein of this area (Figs 5, 9). Male genitalia with a pair of sac-like semisclerotized structures provided with numerous small spinules, but not forming any ring-like structure (Figs 8, 12).

**Included species.** Type species (Yunnan); *Ducetia multipunctata* Kang & Yang, 1989 (Hunan, Guizhou); *Shirakisotima brevifissa* Wang & Liu, 1996 (Henan, Hubei); *Sh. acuminata* Wang & Liu, 1996 (Hubei), which is possibly a senior synonym of *A. multipunctata* (Gorochov & Kang, 2002).

### References

- Gorochov, A.V. & Kang, L. 2002. Review of the Chinese species of Ducetiini (Orthoptera: Tettigoniidae: Phaneropterinae). *Insect Syst. Evol.*, **33**: 337-360.
- Wang, Y. & Liu, X. 1996. Description of new species of the genus *Shirakisotima* from China (Orthoptera: Tettigoniidae: Phaneropterinae). *J. Shandong Univ.*, **31**: 336-340. (In Chinese with English summary).

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**Figs 1-12.** Male. **1-4**, *Shirakisotima japonica* (Mats. & Shir.); **5-8**, *Abaxisotima furca* (Gor. & Kang); **9, 10**, *A. multipunctata* (Kang & Yang); **11, 12**, *A. brevifissa* (Wang & Liu). Stridulatory apparatus of lower tegmen (1, 5, 9); rostrum of head from side and slightly above (2, 6); abdominal apex from above (3, 7); the same, but without left cercus (10, 11); genitalia from above (4, 8, 12).