

## A new species of the genus *Hemigyrus* from Vietnam (Orthoptera: Tettigoniidae: Pseudophyllinae)

A.V. Gorochov & N.A. Voltshenkova

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Some changes in the diagnoses of the genus *Hemigyrus* and both its subgenera are proposed, and a second species of the subgenus *Tomomima*, *H. sonorus* sp. n., is described.

A.V. Gorochov, N.A. Voltshenkova. Zoological Institute, Russian Academy of Sciences, Universitetskaya nab. 1, St.Petersburg 199034, Russia.

Examination of the holotype of *Hemigyrus* (*Tomomima*) *spinosus* (B.-Bien.), deposited in Institute of Zoology, Beijing, and re-examination of the material considered in our previous paper (Gorochov & Voltshenkova, 1998) allows us to supplement the diagnosis of this genus by very important new characters, to refine the diagnoses of its subgenera, and to describe a new species for specimens misidentified in the above-mentioned paper as *H. spinosus*.

The hind wings in both sexes of the genus *Hemigyrus* Br.-W. have a strongly widened area between *R* and *M* (Fig. 1). This area is evidently an element of tegminolary stridulatory apparatus characteristic of this genus only (thickened transverse veinlets of this area rub probably against a low keel along the ventral part of tegminal *Sc* and *R*). The difference between the two subgenera of this genus possibly consists only in the presence (*Hemigyrus* s. str.) or absence (*Tomomima* B.-Bien.) of a pair of spines on the sternite of prothorax only.

*Hemigyrus* (*Tomomima*) *sonorus* sp. n.

*Holotype*. ♂, Vietnam, prov. Vinh Phu, Tam Dao, 900-1000 m, 9-18.XI.1990, A.V. Gorochov.

*Paratype*. ♀, same data as in holotype.

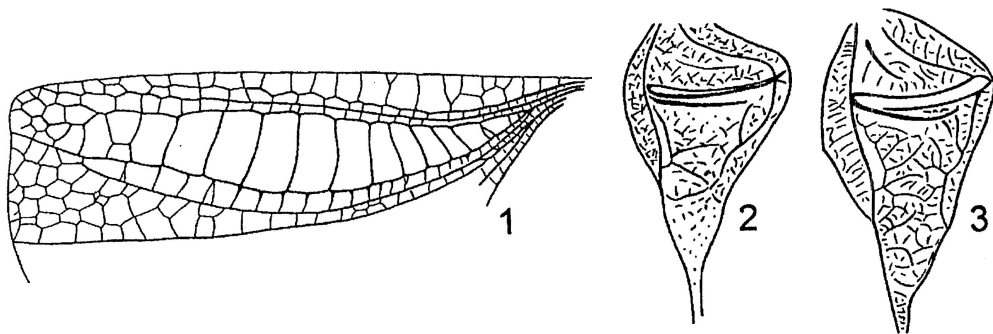
Holotype and paratype in Zoological Institute, St.Petersburg.

These specimens were described in detail by Gorochov & Voltshenkova (1998) under the name *H. spinosus*. At present, it is clear that *H. spinosus* (known from a single male from China: Sichuan) and *H. sonorus* are similar species, which differ from each other in the size (lengths of pronotum, tegmina, and hind femora of male in *H. sonorus* are 7.5, 39, and 21 mm respectively, but in *H. spinosus*, they are 6.9, 31.5, and 17.5 mm respectively) and length of male tegminal stridulatory vein (it is distinctly longer in *H. sonorus* than in *H. spinosus*; Figs 2, 3).

### Reference

Gorochov, A.V. & Voltshenkova, N.A. 1998. Vietnamese representatives of the genus *Hemigyrus* (Orthoptera, Tettigoniidae). *Zool. Zh.*, **77**(7): 860-864. (In Russian).

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Figs 1-3. *Hemigyrus* (*Tomomima*), ♂. 1, 2, *H. sonorus* sp. n.; 3, *H. spinosus* (B.-Bien.). Stridulatory apparatus of hind wing (1) and upper tegmen (2, 3) from above.