Two new species of the cricket genus *Hapithus* from Cuba (Orthoptera: Gryllidae)

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Hapithus emeljanovi sp. n. and *H. kerzhneri* sp. n. from northern Cuba are described.

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The Nearctic and Neotropical genus *Hapithus* Uhler (Podoscirtinae, Hapithini) includes 15 described species. Two species, *H. agitator* Uhl. (*quadratus* Scud.) and *H. irroratus* Bol., have been recorded from Cuba, and two new species from Cuba are described in this paper. The types of the new species are kept in the Zoological Institute, Russian Academy of Sciences, St.Petersburg.

Hapithus emeljanovi sp. n. (Figs 2, 4, 9-11)

Holotype: ♂, **Cuba**, Varadero, 15.XI.1986 (A.F. Emeljanov, I.M. Kerzhner).

Paratype. ♂, same data.

Description. Male. Size rather small for the genus. Coloration light brown. Head typical of *Hapithus*, brownish above and yellowish with numerous small dark spots beneath. Pronotum transverse, narrowing in front, brownish with numerous small dark spots on lateral lobes, anterior and posterior edges of disc; its lateral lobes with convex inferior edge. Fore and middle legs brownish with small dark spots; fore tibiae with small imperceptible internal tympanum only. Hind femora brownish with yellowish zone along inferior edge and with several small dark spots on inferior keels; hind tibiae and tarsi brown; spurs and large tibial spines (7 or 8 internal and 6 external) light brown. Tegmina extending to the apex of 6th or 7th abdominal tergite, with about 50 teeth in stridulatory file; chords normal; mirror round; coloration of tegmina brownish grey with noticeable yellowish white stripe along superior edge of lateral field and one obvious dark spot (dorsal field of inferior tegmen transparent). Hind wings rather short, extending to apex of 5th or 6th abdominal tergites. Abdomen brown above and light brown beneath; cerci uniformly light brown, short; genital plate with narrow apex. Genitalia similar to those of *H. agitator* but shorter and wider.

Female unknown.

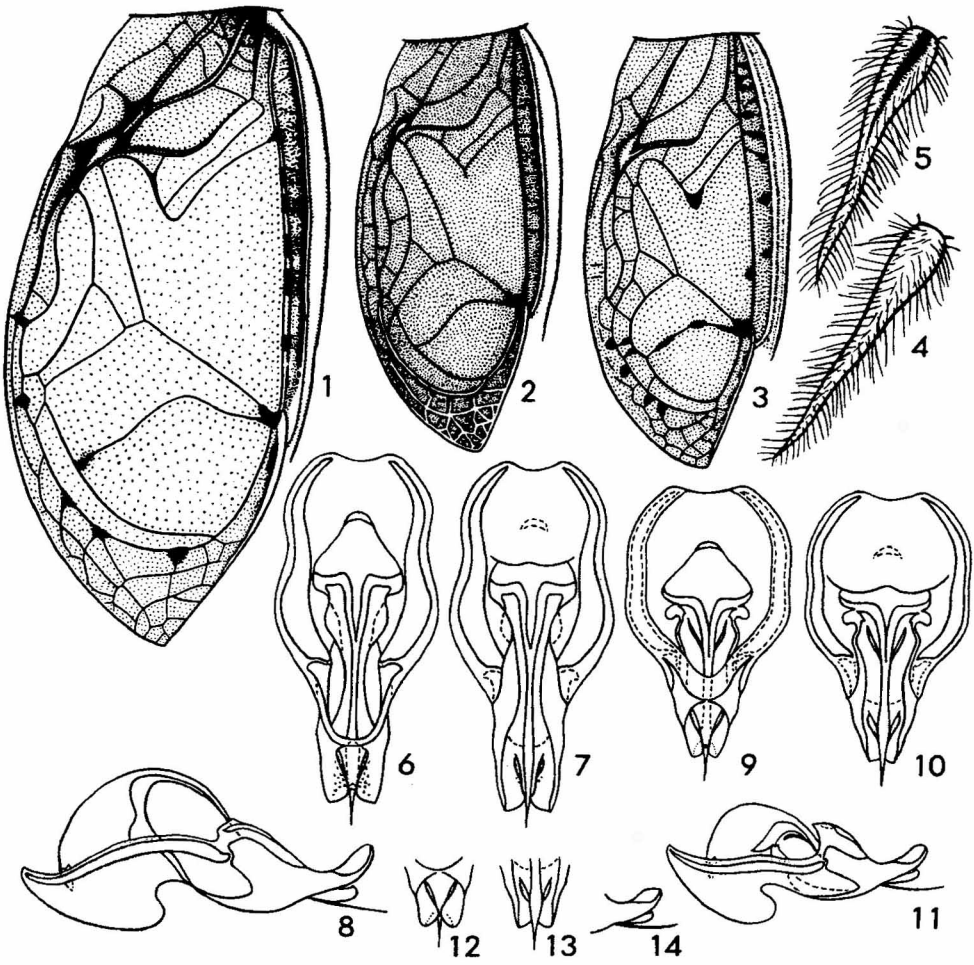
Length. Body: 11-12 mm; pronotum: 1.7 mm; tegmina: 6-6.5 mm; hind femora: 8.6 mm.

Diagnosis. Similar to *H. agitator* Uhl., *H. tenuicornis* F.Walk. and *H. melodius* T.Walk. Differs from the first in short tegmina with small mirror and in form of genitalia (Figs 1, 6-8), from the second in light coloration (without testaceous dots on fore part of head and without blackish colour of abdomen), from the third in small size and stridulatory file with less than 70 teeth. The new species differs from other species of the genus in size, length of tegmina, form of mirror, coloration and male genitalia.

Hapithus kerzhneri sp. n. (Figs 3, 5, 12-14)

Holotype. ♂, **Cuba**, Varadero, 15.XI.1986 (A.F. Emeljanov, I.M. Kerzhner).

Description. Male. Very similar to *H. emeljanovi*. Distinguished from it by structure of wings, coloration of tegmina and cerci, peculiarities of genitalia. Tegmina extending to the apex of abdomen, with about 40 teeth in stridulatory file; chords abnormal; mirror oblong; coloration yellowish grey with scarcely noticeable pale stripe along superior edge of



Figs 1–14. *Hapithus agitator* Uhl. (**1, 6-8**), *H. emeljanovi* sp. n. (**2, 4, 9-11**) and *H. kerzhneri* sp. n. (**3, 5, 12–14**): dorsal field of male superior tegmen (**1–3**); external side of cercus (**4– 5**); male genitalia from above (**6, 9, 12**), from below (**7, 10, 13**) and from the side (**8, 11, 14**). In Figs 12-14 the apical part only is shown.

lateral field and rather numerous obvious dark spots on the dorsal field of superior tegmen. Hind wings extending to apex of 7th abdominal tergite. Cerci light brown with dark longitudinal stripe on external side. Genitalia with wider apex of posterior lateral processes of epiphallus which has a shorter hooklike sclerite than in *H. emeljanovi*.

Female unknown.

Length. Body: 9.5 mm; pronotum: 1.6 mm; tegmina: 6 mm; hind femora: 8 mm.

Diagnosis. Differs from other species of the genus in the same features as *H. emeljanovi*. Characters distinguishing *H. kerzhneri* from *H. emeljanovi* are indicated above.

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