A new species of the leafhopper genus *Macropsis* Lewis, 1836
(Homoptera: Cicadellidae: Macropsinae) from the United Arab Emirates

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**ABSTRACT.** *Macropsis latilorata* sp. n. from the United Arab Emirates is described. A new species differs from other *Macropsis* species by very wide lorate with side margins parallel to each other and, apparently, is related to some African *Macropsis* group associated with *Acacia* spp.

**РЕЗЮМЕ.** Описан *Macropsis latilorata* sp. n. из Объединённых Арабских Эмиратов. Новый вид отличается от других представителей рода необычайно широкими уздечками с параллельными друг другу боковыми краями и, возможно, принадлежит к одной из африканских групп *Macropsis*, трофически связанных с акациями.

Presently, the large and diverse genus *Macropsis* Lewis, 1836 (Homoptera: Cicadellidae: Macropsinae) is well studied in Nearctic [Hamilton, 1983] and Northern Palaearctic [Tishechkin, 1999, 2003, 2015]. North-Palaearctic species can be subdivided into several natural groups according to their host associations; these groups as a rule are also different in morphological traits and external appearance [Tishechkin, 2016]. The largest group (about 40 species) is associated with Salicaceae, more than 10 species from the Russian Far East, Northern India, China, and Japan feed on oaks *Quercus* spp. [Li et al., 2014], 2 species are associated with elms (*Ulmus* spp.), about 10 species feed on Rosaceae (Spiraea spp., *Rosa* spp., and *Rubus* spp.), 5 species are associated with Elaeagnaceae (*Elaeagnus* spp. and *Hippophae rhamnoides* L.), 2 species feed on *Berberis integerrima* Bunge, 1 species feeds on desert poplars (*Populus*) from the subgenus *Turanga* (Bunge) Dode, and one species — on *Urtica* spp.

Data on species from the deserts of North Africa, Middle East, and southern regions of Central Asia are scarce and includes only some original descriptions [Dlabola, 1957, 1979, 1994]. Meanwhile, judging by these descriptions, in this region there are specific groups of species whose host associations are for the most part unknown. In the present paper one peculiar species from the United Arab Emirates is described.

*Macropsis latilorata* Tishetshkin, sp. n.

Figs 1–10.


**DESCRIPTION.** Body bright green. Scutellum with green medial part and yellowish basal triangles; apex has brighter coloration than the surrounding areas (Figs 1–2). Proepimeron with a round black spot. Fore and middle legs pale brownish. Hind legs green, hind tibiae with a round black basal spot on the outer surface, bases of macrosetae with black margins (Fig. 2). Forewings yellowish hyaline, somewhat darker in apical parts, main veins greenish in basal parts.

Head rather widely angular, in dorsal view of approximately the same length in the middle and at the sides (Fig. 1). Lorate very wide, with side margins parallel to each other (Figs 3–4). Clypellus abruptly truncated, rectangular at end (Figs 3–4). Pronotum with widely rounded fore margin and oblique striation; median keel faint, almost invisible (Fig. 1).

Body length (including tegmina) 3.6 mm.

Sternal apodemes of 2nd abdominal segment in male narrow triangular at bases, with parallel-sided angulated lobes, separated by very broad U-shaped notch (Fig. 5).

Penis in side view rather narrow; stem bent at about right angle, with slight constriction at bend (Fig. 6). Style slender, almost parallel-sided, with rounded apex smoothly bent at an obtuse angle (Fig. 7). Pygofer processes some-
Figs 1–10. *Macropsis latilorata* sp.n.: 1 — dorsal view; 2 — lateral view; 3 — face, frontal view; 4 — ventral-frontal view, face in the plane of the photograph; 5 — male abdominal apodemes of the 2nd sternite; 6 — penis, lateral view; 7 — style; 8 — pygofer processes, caudal view; 9 — pygofer process, lateral view; 10 — same, lateral-caudal view.

Рис. 1–10. *Macropsis latilorata* sp.n.: 1 — сверху; 2 — сбоку; 3 — лицо, спереди; 4 — снизу-спереди, лицо в плоскости фотографии; 5 — аподемы II брюшного стернита самца; 6 — пенис, сбоку; 7 — стилус; 8 — отростки пягофора, сзади; 9 — отросток пягофора, сбоку; 10 — то же, сбоку-сзади.
New Macropsis from the United Arab Emirates

What sinuate in caudal view (Fig. 8), distinctly bent forward in apical half, flattened and twisted along the longitudinal axis; for this reason in side view they look abruptly narrowed in apical part (Figs 9–10).

DIAGNOSIS. Differs from all other species by very wide parallel-sided lorae. By the shape of male genitalia (rather narrow penis and slender style with rounded apex) somewhat resembles species associated with Spiraea spp. and Ulmus spp., but distinctly differs from them by bright green coloration (pale with black pattern or brown in Spiraea-dwelling species and brown in males of Ulmus-dwelling species). In combination of green coloration and the shape of penis and style the new species is similar to some African species from minuscula group [Linnavuori, 1976] and possibly belongs to some African Macropsis lineage associated with Acacia spp.

ETYMOLOGY. Species name derives from the combination of Latin words latus (wide) and lorum (bridle; in Auchenorrhyncha, a part of face) indicating that this species has very wide lorae.

ACKNOWLEDGEMENTS. I am greatly indebted to Dr. Vladimir Gnezdilov (Zoological Institute, Russian Academy of Sciences, St. Petersburg) for collecting and loan of the specimen for this study. Field research was carried out under the patronage of the Crown Prince of Fujairah His Highness Sheikh Mohammed bin Hamad bin Mohammed Al Sharqi.

The study was supported by the Russian State program No. AAAA-A16-116021660095-7 (preparation of a manuscript). Investigation of the material, including preparation of illustrations, was performed on the equipment purchased with the funds of a grant of the Russian Science Foundation (No. 14-50-00029).

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