

New additions of Cicadellidae to the Lebanese fauna,
with the description of *Anoplotettix emeljanovi* sp.n.
(Hemiptera: Cicadomorpha: Cicadellidae)

НОВЫЕ ДОПОЛНЕНИЯ К ФАУНЕ СЕМЕЙСТВА Cicadellidae Ливана
с описанием *Anoplotettix emeljanovi* sp.n.
(Hemiptera: Cicadomorpha: Cicadellidae)

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КЛЮЧЕВЫЕ СЛОВА: *Anoplotettix*, Cicadellidae, Ливан.

ABSTRACT. *Anoplotettix emeljanovi* sp.n. is described from the Lebanon and four other species of the family Cicadellidae are added to its fauna.

РЕЗЮМЕ. Описывается *Anoplotettix emeljanovi* sp.n. из Ливана и четыре других вида из семейства Cicadellidae впервые указываются для фауны страны.

1 ♂, 1 ♀, labeled as holotype; 1 ♂, Liban, Wadi Qadisha (Liban-nord), on *Salvia* sp., 14.V.2005, all leg. H. Abdul-Nour.

DESCRIPTION. Vertex yellowish without any dark markings (Fig. 1). Pronotum with more or less irregular grayish flecks on a yellowish background. Scutellum with the same grayish flecks, except for the tapering apical part. The lateral triangles of the scutellum are yellowish and faintly tinted

Introduction

After more than 25 years of research in the Lebanese mountains, a total of 163 species of Cicadellidae were recorded [Abdul-Nour, 2005], a number of it being new taxa that are supposed to be endemic until now (about 16%). It is quite evident, that this alleged endemism is an academic perspective due to research paucity in the neighbouring countries concerning this family, and that extensive collecting in Syria, Jordan, Israel, and Palestine would contribute to a more satisfactory picture of the cicadellid faunistics in the Near East. In the Lebanon, there is such a great variety of ecological niches on such a small territory that even after so many years of field research, it was not surprising to record new additional species.

With the five additional species mentioned in this article, the total number of cicadellids in the Lebanon is now 168.

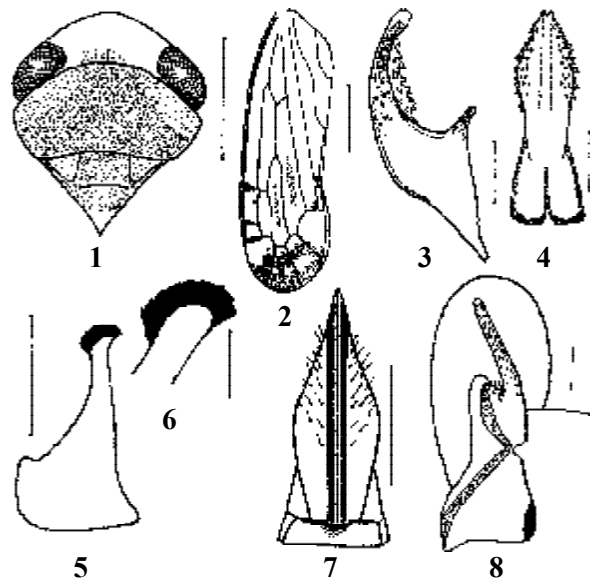
The type specimens of the new species described below are deposited in the Museum national d'Histoire naturelle (Paris, France).

Systematic part

Anoplotettix emeljanovi Abdul-Nour sp.n.

Figs 1–8.

MATERIAL. Holotype, ♂: Liban, Wadi Qadisha (Liban-nord), on *Salvia* sp., 20.V.2005, H. Abdul-Nour leg. Paratypes:



Figs 1–8. *Anoplotettix emeljanovi* sp.n.: 1 — head, from above; 2 — anterior wing; 3 — aedeagus, lateral view; 4 — aedeagus, dorsal view; 5 — pygofer; 6 — apex of pygofer; 7 — ovipositor and female 7th sternite; 8 — stylus. Scales: 1 mm for 1, 2, 5, 7; 0.1 mm for 3, 4, 6, 8.

Рис. 1–8. *Anoplotettix emeljanovi* sp.n.: 1 — голова, сверху; 2 — переднее крыло; 3 — эдеагус, сбоку; 4 — эдеагус, сверху; 5 — пигофор; 6 — вершина пигофора; 7 — яйцеклад и стернит VII самки; 8 — стилус. Масштаб: 1 мм для рис. 1, 2, 5, 7; 0.1 мм для рис. 3, 4, 6, 8.

with gray. The apical cells of anterior wings are irregularly dark maculated (Fig. 2). A few grayish flecks may be seen in the sub-apical cells.

Male. Last abdominal sternite black, with a yellowish narrow apical border. Genital plates with blackish apex. Pygofer (Figs 5, 6) with a dark apical serrated crest. Aedeagus (Figs 3, 4) with a great number of small irregular denticulations on the distal half. Phallosoma apical. Stylus as in Fig. 8.

Female (Fig. 7). Seventh abdominal sternite with a central shallow notch that is bordered with a strong black line. Sheath of ovipositor with two thick black lateral strokes.

Dimensions (in mm). Males (3 specimens): total length (5.35–5.57); vertex (0.32–0.38); pronotum (0.60–0.65); head width (1.46–1.51). Female (1 specimen): total length (6.20); vertex (0.43); pronotum (0.81); head width (1.62).

DISCUSSION. This species belongs to the *Eckerleini* group, as defined by Emeljanov [1999], and which has clearly evolved in the eastern part of the Mediterranean region, expanding as far as the Kurdistan [Remane, 1966]. In the Lebanon, it was found in mixed populations with *Anoplotettix eckerleini* Dlabola, 1965 on *Salvia* sp., and from which it can be readily distinguished by the absence of dark markings on the head and pronotum.

ETYMOLOGY. A new *Anoplotettix* that I am pleased to dedicate to Prof. Alexandr Emeljanov.

New additions to the cicadellid fauna of Lebanon

Psammotettix cerinus (Lindberg, 1948)

MATERIAL. Deir Amar-Minieh (North Lebanon), on the coast, on low plants, 2.VII.2003.

NOTE. This species was previously known from Cyprus and Anatolia. It seems to be confined to warm and/or coastal biotopes.

Osbornellus (Mavromoustaka) consanguineus Dlabola, 1967

MATERIAL. Besebeel (Zgharta), on low plants, 20.VI.2004.

NOTE. This species was described from Cyprus [Dlabola, 1967]. Whether the subgenus *Mavromoustaka* should be erected to genus rank or not, is a matter of debate, taking into consideration the peculiar features already emphasized by Dlabola to distinguish it from the American species of *Osbornellus*.

Paradorydium mustafai Demir, 2005

MATERIAL. Balamand (North Lebanon), on the coast, on glu traps, X.2002.

NOTE. Recently described from Anatolia [Demir, 2005], this species is recorded for the first time in the Lebanon.

Allygus mixtus (Fabricius, 1794)

MATERIAL. Ehden (North Lebanon), on intercept traps, 24.VII.2005.

NOTE. This species is widely distributed in the Holarctic. First record for the Lebanon.

References

- Abdul-Nour H. 2005. Les Membracoidea du Liban: Inventaire raisonné et description d'espèces nouvelles ou peu connues (Hemiptera, Cicadomorpha, Membracoidea: Membracidae, Ulopidae, Cicadellidae) // Nouvelle Revue d'Entomologie (N.S.). T.21 (2004). Fasc.3. P.239–258.
- Demir E. 2005. Review of *Paradorydium* Kirkaldy (Homoptera, Auchenorrhyncha, Cicadellidae) from Turkey, with the description of a new species // Entomological News. Vol.116. No.2. P.75–82.
- Dlabola J. 1967. Beschreibungen von neuen süd paläarktischen Zikaden arten (Hom. Auch.) // Acta ent. Mus. nat. Pragae. Vol.37. P.31–50.
- Emeljanov A. F. 1999. A new species of the genus *Anoplotettix* Ribaut (Hemiptera: Auchenorrhyncha: Cicadomorpha: Cicadellidae: Deltocephalinae) // Reichenbachia. Bd.33. No.20. P.147–150.
- Remane R. 1966. Zur Kenntnis der Gattung *Anoplotettix* Ribaut (Homoptera) // Reichenbachia. Bd.6. No.23. P.181–190.