

A NEW SPECIES OF *PSAMMOTETTIX* (HOMOPTERA:
CICADELLIDAE) FROM MEXICO^{1, 2}

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ABSTRACT

Psammotettix mexcala n. sp., the first known Mexican species of the genus, is described.

INTRODUCTION

The deltocephaline genus *Psammotettix* was described by Haupt (1929), who placed *Athysanus maritinus* Perris as the type species. Greene (1971) revised the Nearctic species of *Psammotettix*; he recognized 19 species, all of which occur in Europe and/or North America. He reported no Mexican species. Linnavouri (1959), in his treatment of the Neotropical Deltocephalinae, did not recognize the occurrence of species of *Psammotettix* in either Central or South America. Recent study of specimens of deltocephaline leafhoppers has revealed a new species of *Psammotettix* from Mexico City, Mexico; this species is related to *P. lividellus* (Zetterstedt).

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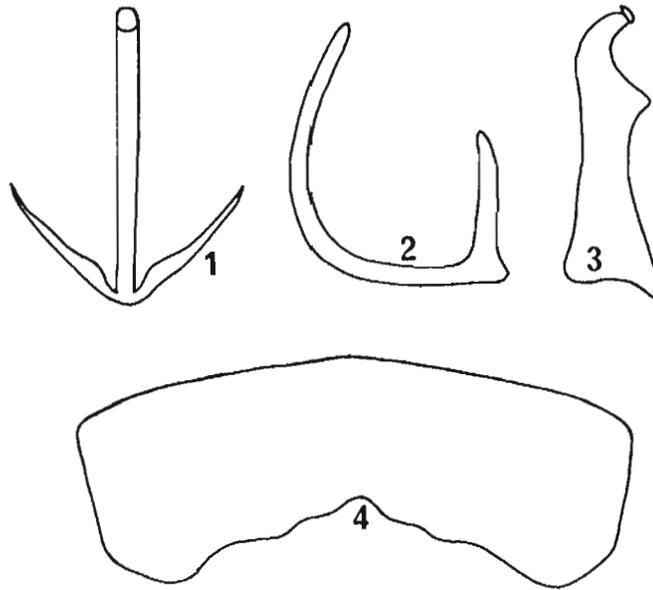
²Manuscript received June 29, 1973.

***Psammotettix mexcala* n. sp.**

Figures 1-4

Length of male, 3.5 mm; female, 3.8 mm. Crown bluntly angled, length at middle equalling width between eyes at base. Ground color of crown, pronotum, and scutellum cream yellow with pale brown on most of crown except along median line. Pronotum with irregular longitudinal bands of pale brown. Forewings hyaline, veins white, some margined with fuscous.

Male genitalia with plates short, one and one-half times as long as median width. Style narrow, apical fourth concavely excavated on outer margin with apex narrowed, curved outwardly, and slightly enlarged by a transverse heavily sclerotized apical plate. Aedeagal shaft long, tubular, curved dorsally, apex rounded.



FIGURES 1-4. *Psammotettix mexcala* n. sp. 1-3, male genital structures: 1, aedeagus, ventrally; 2, aedeagus, laterally; 3, style. 4, female seventh sternum. $\times 50$.

Female genitalia with lateral angles of seventh sternum produced and rounded, posterior margin broadly angularly excavated between lateral angles almost one-third distance to base.

Holotype male labelled "Penon Marquez D. F. Mexico. III-3-24 (A. Dampf Coll.)." Female allotype same data as holotype. Paratypes, 2♂, 9♀, same data as holotype; 1♀, Mexico City, D. F. Mexico IX-9-23 (A. Dampf Coll.). Holotype, allotype, and paratypes in the DeLong Collection.

This species is apparently related to *P. lividellus*, which the male resembles genitally. The aedeagal shaft of *P. mexcala* is proportionately longer, the style is narrow with a heavily sclerotized apical cap and the female seventh sternite angularly excavated between produced lateral angles.

LITERATURE CITED

- Greene, James F. 1971. A revision of the Nearctic species of the genus *Psammotettix* (Homoptera: Cicadellidae). Smithsonian Contrib. Zool. No. 74. 40 p.
 Haupt, H. 1929. Neueinteilung der Homoptera-Cicadina nach phylogenetisch zu wertenden Merkmalen. Zool. Jahr. Abt. fur Syst. Okolesine Geogr. Tierre. 58: 173-286.
 Linnavuri, Rauno. 1959. Revision of the Neotropical Deltoccephalinae and some related subfamilies. Ann. Zool. Soc. "Vanamo." 20(1): 1-370.