

### 1. *Osmilia flavolineata*, De Geer.

*Acrydium flavo-lineatum*, De Geer, Mém. Ins. iii. p. 497, t. 42. fig. 4 (1773)<sup>1</sup>.

*Acridium flavo-lineatum*, Burm. Handb. Ent. ii. pt. 2, p. 634 (1838)<sup>2</sup>.

*Acridium (Osmilia) flavo-lineatum*, Stål, Recens. Orthopt. i. p. 68 (1873)<sup>3</sup>.

*Osmilia flavo-lineatum*, Bruner, Bull. Lab. Nat. Hist. Iowa, iii. p. 65 (1895)<sup>4</sup>.

*Hab.* MEXICO<sup>3</sup>; NICARAGUA<sup>4</sup>; PANAMA<sup>3</sup>.—SOUTH AMERICA, Surinam<sup>1 3</sup>.

There is some confusion existing in the references between the present insect and the one following, but until some one carefully examines the specimens coming from the various localities where *Osmiliae* with hyaline wings occur no definite conclusion can be formed.

### 2. *Osmilia tolteca*, Sauss.

*Acridium toltecum*, Sauss. Rev. et Mag. Zool. (2) xiii. p. 163 (1861)<sup>1</sup>; Thom. Acrid. N. Am. p. 232 (1873)<sup>2</sup>.

*Aleuas toltecus*, Rehn, Trans. Am. Ent. Soc. xxix. p. 14 (1902)<sup>3</sup>.

*Osmilia tolteca*, Rehn, Proc. Acad. Nat. Sci. Philad. 1905, p. 443<sup>4</sup>; Bruner, Ohio Nat. vii. p. 13 (1906)<sup>5</sup>.

*Hab.* MEXICO<sup>1 2 3</sup>, Presidio (*Forrer*), Dos Arroyos, Venta de Zopilote, Atoyac. Orizaba, Teapa (*H. H. Smith*), Cordova (*Höge*), Valladolid, Yucatan<sup>3</sup> (*Gaumer*); BRITISH HONDURAS, Belize (*Blancaneaux*); HONDURAS, Ruatan I. (*Gaumer*); NICARAGUA, Escondido River<sup>3</sup>; COSTA RICA, Caché (*Rogers*); PANAMA, Volcan de Chiriqui (*Champion*).

In addition to the references given above, there are specimens of *Osmilia* at hand from numerous other Mexican and Central-American localities. These either represent two or more closely allied, or a single very variable, species. To judge from Saussure's description<sup>1</sup> (evidently of a male), most of these insects are larger, and they are more robust and have broader tegmina than *O. flavolineata*. It is also noticeable that in these Mexican and Central-American examples the hind femora and tibiae are longer and coarser than in *O. flavolineata*. Many of them also have their tegmina conspicuously mottled with fuscous.

### 3. *Osmilia caelestis*, Burm.

*Acridium caelestre*, Burm. Handb. Ent. ii. 2, p. 634 (1838)<sup>1</sup>.

*Osmilia caelestis*, Bruner, Proc. Zool. Soc. Lond. 1893, p. 606<sup>2</sup>; Bruner, Journ. N. York Ent. Soc. xiv. p. 156 (1906)<sup>3</sup>.

*Hab.* HONDURAS<sup>2</sup>.—BRAZIL<sup>1 2</sup>; PERU<sup>2</sup>; TRINIDAD<sup>3</sup>; WEST INDIES, Grenada<sup>2</sup>.

I do not know how this insect differs from *O. violacea*, Thunb. European authors, however, have considered them distinct.