

## *Tipula (Yamatotipula) aleutica* Alexander (Diptera: Tipulidae), a reclassification

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### Abstract

*Tipula (Yamatotipula) aleutica* is redescribed and illustrated and reasons are presented for its removal from the subgenus *Arctotipula* Alexander, 1933, and its placement in the subgenus *Yamatotipula* Matsumura, 1916.

**Key words:** *Tipula aleutica*, *Yamatotipula*, *Arctotipula*, reclassification, geographical distribution

### Introduction

While working on a monograph of the subgenus *Tipula (Arctotipula)* Alexander, 1933 it became clear to me that *Tipula aleutica* Alexander, 1923 had been erroneously placed in the subgenus *Tipula (Arctotipula)* and more properly belongs in *Tipula (Yamatotipula)* Matsumura, 1916. In this paper I am redescribing and illustrating both the male and female of *T. (Y.) aleutica* to justify this subgeneric transfer and to make these descriptions more complete and therefore more useful for clarifying phylogenetic relationships. The morphological terminology adopted here, including venation, follows McAlpine (1981).

The following abbreviations for museums are used in the text.

CAS: California Academy of Sciences, San Francisco, California, United States of America, Dr. N. Penny and Dr. P. Arnaud, Jr.

CNC: Canadian National Collection of Insects, Ottawa, Canada, Dr. Jeffrey Cummings, Dr. D.M. Wood, Harold Walther, and the late Dr. Herbert Teskey.

SEM: Snow Entomological Museum collection, Lawrence, Kansas, USA, Dr. George Byers.

ZM NNHM NASU: The Zoological Museum of National Museum of Natural History of National Academy of Science of Ukraine, Kiev, Ukraine, Nikolai N. Szczerbak, former director of the Museum.

UMMZ: University of Michigan Museum of Zoology, Ann Arbor, Michigan, USA, Dr. T.E. Moore.

ZIN: Zoological Institute of The Russian Academy of Science, St. Petersburg, Russia, Dr. E. P. Nartshuk.

### Subgeneric Classification of *Tipula aleutica*

The classification of *Tipula aleutica* has always been problematical. In the original description Alexander (1923) did not place *aleutica* (nor any of the other species newly described in that paper) in a subgenus but suggested that *aleutica* belongs to a group composed of *perlongipes* Johnson, *sulphurea* Doane, *tenebrosa* Coquillett, *kennicotti* Alexander and *cimmeria* Speiser. The first