

Some new synonyms in Aphididae (Hemiptera: Sternorrhyncha)

VICTOR. F. EASTOP & ROGER L. BLACKMAN

Department of Entomology, The Natural History Museum, London SW7 5BD, UK

Table of contents

Abstract	1
Introduction	1
Acknowledgements	2
List of synonyms	3
Other nomenclatural changes	25
Conclusion	31
References	32

Abstract

A total of 14 genus and 108 species synonyms in family Aphididae are listed with explanations and comments. Synonyms involving aphid names in the economic literature include: *Acyrtosiphon bidentis* Eastop 1953 = *Acyrtosiphon ilka* Mordvilko 1914; *Aphidura mingens* Pintera 1970 = *Aphidura picta* Hille Ris Lambers 1956; *Aphis armoraciae* Cowan 1895, *Aphis maidiradicis* Forbes 1891 and *Aphis menthaeradicis* Cowan 1895 = *Aphis (Protaphis) middletonii* Thomas 1879; *Diuraphis (Holcaphis) agropyronophaga* Zhang, 1991 = *Diuraphis (Holcaphis) tritici* (Gillette, 1911); *Sitobion chanikiwiti* (Eastop 1959) and *Sitobion howlandae* (Eastop 1959) = *Sitobion leelamaniae* (David 1958). An annotated list of 36 other proposed nomenclatural changes is provided.

Key words: Aphididae, nomenclature, synonyms

Introduction

Synonyms are unavoidable in taxonomy. Apart from human fallibility, a common reason is that many species are first described from small samples obtained on collecting expeditions. This is inevitable with the present method of financing taxonomy, because it is difficult to obtain funds for further expeditions until the species found on the previous