

# The Australian Genera of Heleomyzidae (Diptera: Schizophora) and a Reclassification of the Family into Tribes

DAVID K. MCALPINE

The Australian Museum, P.O. Box A285, Sydney South 2000, Australia.

**ABSTRACT.** The 16 Australian genera of Heleomyzidae are characterised, five genera, together with their type-species, being described as new. A key to the Australasian genera is given.

The classification of the Heleomyzidae is discussed and the family is defined to include the following families recognized by some recent authors: Borboropsidae, Chiropteromyzidae, Cnemospathidae, Heteromyzidae, Notomyzidae, Rhinotoridae, Trixoscelididae. The living genera of Heleomyzidae (about 65, but additional genera recognized by some) are classified into 22 tribes of which 12 are newly described. The geographic distribution patterns of the tribes are given. A new genus and species from Chile is described. A key to the neotropical genera and a partial key to the palearctic genera are appended.

MCALPINE, DAVID K., 1985. The Australian genera of Heleomyzidae (Diptera: Schizophora) and a reclassification of the family into tribes. *Records of the Australian Museum* 36(5): 203–251.

**KEYWORDS:** taxonomy, Diptera, Heleomyzidae, world tribes, Australian genera, neotropical genera, zoogeography.

## Contents

Introduction .....	204
Key to Australasian genera .....	204
The Australian Genera .....	206
List of Australian species .....	215
Australian species erroneously referred to heleomyzid genera .....	215
Classification .....	216
List of characters typical of Heleomyzidae .....	217
Some structures of taxonomic importance .....	217
List of tribes and genera of Heleomyzidae .....	220
Nomenclatural notes .....	221
Key to tribes of Heleomyzidae .....	221
Descriptions of tribes .....	223
Geographic distribution .....	236
Acknowledgements .....	237
References .....	237
Appendix 1. A new neotropical genus .....	239
Appendix 2. Key to neotropical genera .....	239
Appendix 3. Partial key to palearctic genera .....	241
Appendix 4. List of new names, synonymy, and combinations .....	242
Index to taxa .....	250