

## David K. McAlpine

# Bibliography from 1952 to the Present

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**ABSTRACT.** A complete list of the 103 peer-reviewed publications of the Australian Museum dipterist—David K. McAlpine—is presented. This list is compiled under Dr McAlpine’s oversight and has benefited from his input throughout. A separate and more complete list (157 works) is compiled as an online supplementary dataset (Cox, 2019), it includes reports, notes presented at meetings, and published newspaper or magazine pieces, many of which Dr McAlpine describes as popular or informal and lacking the scientific rigour he would normally apply.

### Introduction

David Kendray McAlpine MSc, PhD, DIC, of the Australian Museum in Sydney, is one of the World’s leading dipterists. He has described seven new families (Table 1), 50 new genera (Table 2) and 415 new species. From the titles of his works it can be seen that his research has embraced more than 40 dipterous families.

Having established, at the beginning of his career, a very efficient *modus operandi* for his taxonomic research and publishing, and having ready access to one of the world’s most comprehensive libraries of Australian taxonomic literature—the Australian Museum Research Library—Dr McAlpine was constrained only by time. Throughout his tenure at the Australian Museum’s Department of Entomology he has worked with a team of able staff—curators, field workers, illustrators (although most of his drawing are his own), librarians, SEM and microscope technicians, lab assistants, photographers, copy-editors and typists, who, under his supervision, assisted with his work. His productivity flourished during the last half century and continues to the present day.

Dr McAlpine generates output independent of—and unencumbered by—emerging digital technologies. He

has, therefore, avoided the distractions of ever-changing software and digital solutions that promise efficiencies. He chose not to become a user of electric typewriters or, later, personal computers. Consequently he has no email and is not immersed in online scientific communication and information exchange despite being surrounded at the Museum by many who are. He did, never-the-less, establish good working relationships with museum staff who were expert in scanning electron microscopy and later digital photography and photo-montage technology. Despite side-stepping the digital revolution, he still, to this day, publishes high quality taxonomy at a rate few exceed and, in this respect, his work provides a noteworthy example of how much can be achieved—albeit with a support team—outside a digital work environment.

Many of the works in this bibliography (and in the supplementary dataset which is more expansive: being the present bibliography plus most of his non-peer-reviewed narratives and notes—Cox, 2019) have been digitized by the respective publishers, and in those cases or when otherwise available, links are given to the original resources online. Other material, still only available in print, is held by Dr McAlpine, or is in the Australian Museum Archives and will gradually be digitized. In the near future the AM Research

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Library together with AM Archives is digitizing issues of the non-research serial titles, e.g., *The Australian Museum Magazine*, *Australian Natural History* etc. in which Dr McAlpine frequently published brief observations. Whereas the research serial titles e.g., *Records of the Australian Museum* and *Australian Museum Memoirs* etc. have already

been digitized. The entire legacy of Australian Museum peer-reviewed research that has been published since 1851 is freely available online, CrossRef-DOI-registered, and searchable at <https://doi.org/10.3853/issn.2201-4349>

David K. McAlpine (Australia) should not be confused with the Canadian dipterist James Francis (Frank) McAlpine.

**Table 1.** Dipterous families discussed or studied in detail, described as new, or elevated in status, in the works of David K. McAlpine; numerous other families are drawn into his research for comparative or contextual purposes—a list of fly families never mentioned would be small. The following four non-fly families: Agaristidae and Papilionidae (Lepidoptera), Scarabaeidae (Coleoptera), Paradiseidae (Passeriformes), and Siphonariidae (Mollusca) appear in titles of works authored by McAlpine. He also published on the plant families Ochidaceae and Myrtaceae.

Aulacigastridae	Helosciomyzidae	Pallopteridae
Canacidae	Heterocheilidae McAlpine, 1991	Periscelididae
Zaleinae McAlpine, 1985	Heteromyzidae	Perissommatidae
Chyromyidae	Ironomyiidae	Piophilidae
Clusiidae	Lauxaniidae	Platystomatidae
Coelopidae	Marginidae McAlpine, 1991	Pseudopomyzidae McAlpine, 1966
Cryptochetidae	Megamerinidae	Pyrgotidae
Ctenostylidae	Micropezidae	Rhinotoridae
Cypselosomatidae	Natalimyzidae Barraclough & McAlpine, 2006	Somatiidae
Dryomyzidae	Neminidae	Sphaeroceridae
Gobryidae McAlpine, 1997	Neminiinae McAlpine, 1983	Tephritidae
Helcomyzidae	Neurochaetidae McAlpine, 1978	Teratomyzidae Colless & McAlpine, 1970
Heleomyzidae	Nothybidae	Xenasteiidae

**Table 2.** Dipterous genera described or discussed in detail, or genera in which new species are described, in works by McAlpine. \* denotes a new name (n.nom.) for an existing taxon.

Family Canacidae	<i>Trixoleria</i> McAlpine, 1967	Family Platystomatidae	Family Teratomyzidae
<i>Zalea</i> * McAlpine, 1982	<i>Zentula</i> McAlpine, 1985	<i>Achias</i>	<i>Auster</i> McAlpine, 1994
	<i>Zinza</i> McAlpine, 1995	<i>Aetha</i> McAlpine, 2001	<i>Camur</i> McAlpine, 1994
Family Clusiidae	Family Helosciomyzidae	<i>Apiola</i> * McAlpine, 1973	<i>Lips</i> McAlpine, 1994
<i>Allometopon</i>	<i>Helosciomyza</i>	<i>Bama</i> McAlpine, 2001	<i>Pous</i> McAlpine, 1994
<i>Czernyola</i>	<i>Luta</i> McAlpine, 2012	<i>Dayomyia</i> McAlpine, 2007	<i>Stepta</i> McAlpine, 1994
<i>Hendelia</i>	<i>Neosciomyza</i>	<i>Duomyia</i>	<i>Teratomyza</i>
<i>Hetermeringia</i>	Family Lauxaniidae	<i>Eumeka</i> McAlpine, 2001	
<i>Tetramerlingia</i> McAlpine, 1960	<i>Paranomina</i>	<i>Euprosopia</i>	
Family Coelopidae	Family Marginidae	<i>Hysma</i> McAlpine, 2001	
<i>Amma</i> McAlpine, 1991	<i>Margo</i> McAlpine, 1991	<i>Inium</i> McAlpine, 1995	
<i>Gluma</i> McAlpine, 1991	Family Micropezidae	<i>Lamprogaster</i>	
<i>Lopa</i> McAlpine, 1991	<i>Badisis</i> McAlpine, 1990	<i>Lenophila</i>	
<i>Rhis</i> McAlpine, 1991	<i>Cothornobata</i>	<i>Mesoctenia</i>	
<i>This</i> McAlpine, 1991	<i>Crepidochetus</i>	<i>Microepicausta</i>	
Family Cryptochetidae	<i>Metopochetus</i>	<i>Naupoda</i>	
<i>Librella</i> McAlpine, 1976	<i>Mimegralla</i>	<i>Par</i> McAlpine, 2001	
Family Cypselosomatidae	<i>Papeza</i> McAlpine, 1975	<i>Phlyax</i> McAlpine, 2001	
<i>Clisa</i> McAlpine, 1993	Family Natalimyzidae	<i>Plagiostenoptera</i>	
Family Heleomyzidae	<i>Natalimyzia</i> Barraclough & McAlpine, 2006	<i>Pogonortalis</i>	
<i>Amphidysis</i> McAlpine, 1985	Family Neminidae	<i>Rhytidortalis</i>	
<i>Austroleria</i> McAlpine, 1967	<i>Nemo</i> McAlpine, 1983	<i>Signa</i> McAlpine, 2001	
<i>Borboroides</i>	<i>Ningulus</i> McAlpine, 1983	<i>Sors</i> McAlpine, 2007	
<i>Cairnsimyia</i>	Family Neurochaetidae	<i>Tarfa</i> McAlpine, 2001	
<i>Dioche</i> McAlpine, 1985	<i>Neurochaeta</i> McAlpine, 1978	<i>Terzia</i> McAlpine, 2001	
<i>Diplogeomyza</i>	<i>Neurocytta</i> McAlpine, 1988	<i>Tomeus</i> McAlpine, 2001	
<i>Heleomicra</i> McAlpine, 1985	<i>Neurotaxis</i> McAlpine, 1988	<i>Zealandortalis</i>	
<i>Leriopsis</i> McAlpine, 1967	<i>Nothoasteia</i>	Family Pseudopomyzidae	
<i>Nephellum</i> * McAlpine, 1985		<i>Pseudopomyza</i>	
<i>Ollix</i> McAlpine, 1985		Family Tephritidae	
<i>Pentachaeta</i> McAlpine, 1985		<i>Phythalmia</i>	
<i>Tapeigaster</i>		<i>Sessilina</i> McAlpine & Schneider, 1978	

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**Biographical note.** Born in Sydney in 1934, D. K. McAlpine spent his early childhood at Gloucester until 1937 then Bellingen, New South Wales. Educated Sydney Grammar School (1945–1950); B.Sc. (Hons.) in zoology, University of Sydney, 1954; M.Sc. in zoology, University of Sydney, 1958; Ph.D. in entomology, Imperial College, University of London, 1969; Diploma, Imperial College, 1970; also studied at the Natural History Museum, London. Science trainee [“cadet”] in Entomology at the Australian Museum 1952–1955, Assistant Curator in Entomology, 1955–1967, Research Scientist, 1970–, Senior Research Scientist, 1978–1986, Principal Research Scientist, 1986 until retirement in December 1994. Research Fellow of the Australian Museum 1994 to the present (Anon., 1955, 1972; Daniels, 2004). The Editor of the Australian Museum’s *Explore* magazine interviewed Dr McAlpine in 2015 (Atkins, 2015); various anecdotes were recollected—Atkins writes: “He’s surprised that his 60th anniversary [working at the Australian Museum] seems to have escaped his attention ...”

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- \* Many of the popular (not peer-reviewed) works published by McAlpine in *Australian Museum Magazine*, *Australian Natural History*, *Explore* [Australian Museum], *Search*, *Circular of the Entomological Society of New South Wales*, *Australian Entomological Society News Bulletin*, *The Orchadian* etc. are either digitized and online but not yet DOI-registered or are not yet available digitally. The authors have compiled a complete list of all such publications—including all the peer-reviewed works—and published this separately as an online dataset so that edits may be made and links inserted as appropriate in future (see Cox, 2019).