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## **Annotated catalogue of the Pompilidae (Hymenoptera) of Australia**

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### Abstract

This work represents the first catalogue of the Australian pompilid fauna since the Australian catalogue of Hymenoptera by Froggatt (1892) and the world catalogue of Pompilidae by Dalla Torre (1897). The catalogue follows the subfamily arrangement suggested by Pitts *et al.* (2006) and lists four subfamilies, 45 genera and 256 species. Three species and two genera which have exclusively extralimital distributions are included only because of their occurrence in the Australian literature.

At the generic level the catalogue lists the original description of the valid generic name and any synonyms, plus literature that refers to Australian material or literature that may be of interest to Australian workers. At the specific and subspecific level the catalogue lists the original description plus any subsequent literature dealing with that taxon. Two new combinations are recorded, though both require further confirmation. One species remains unplaced to subfamily.

**Key words:** Catalogue, Pompilidae, Australia, Hymenoptera, spider wasps

### Introduction

The Australian Pompilidae are poorly known. Apart from the the works of Evans, which concentrated on the Pompilinae and the Ctenocerinae, and the works of Day, Wahis, Móczár and Harris, which touched briefly upon Australian material, there has been little progress in creating a clear understanding of the fauna. This is not surprising given the difficult nature of pompilid literature and the taxa themselves, which are often discriminated by very subtle characters.

Consequently, anyone attempting to gain an insight into the Australian pompilid fauna must navigate a confusing and often contradictory historical literature, inadequate descriptions by early workers, the tendency