

Contribution to the Study of Australian Nephtyidae (Polychaeta)

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Figures 1-13.

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ABSTRACT

Records of Australian Nephtyidae are reviewed. Two new species, *Inermonephtys palpata* and *Nephtys vikingensis*, are described. *Nephtys paradoxa* is newly recorded from Australian waters. A key to the seven Australian species is included.

INTRODUCTION

Six species of Australian nephtyids in two genera have been recorded so far (Fauchald, 1965; Knox and Cameron, 1971). One of these, *Nephtys mirocirrus* is referred to the older *N. gravieri*. Some records of *Aglaophamus dibranchis* and *A. macroura* refer to *A. verrilli*. Two new species in two genera are described here. *Nephtys picta* reported by Knox and Cameron is referred to one of these, *Nephtys vikingensis*, n. sp. This brings the total number of Australian nephtyids to seven species in three genera. The results are detailed in the systematic account below.

The material on which this study is based is deposited in the Allan Hancock Foundation, Los Angeles (AHF), The Australian Museum, Sydney (AMS), British Museum (Natural History), London (BMNH), National Museum of Victoria, Melbourne (NMV), and Queensland Museum, Brisbane (QM).