

## Terrestrial planarians (Platyhelminthes, with three new species) and nemertines of Bermuda

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### Abstract

Records of terrestrial planarians and nemertines found on Bermuda are summarized. Three new species of terrestrial planarian are described though they certainly originated elsewhere. These are *Amaga expatria* n. sp., *Gigantea gouvernoni* n. sp. (both Geoplanidae and originating from South or Central America) and *Bipalium vagum* n. sp. (Bipaliidae, probably originating from Asia). Records of other planarians (*Bipalium kewense*, *Anisorhynchodemus* sp., *Dolichoplana striata* and *Rhynchodemus sylvaticus*) as well as nemertines (*Pantionemertes agricola* and *Geonemertes pel-aensis*) are discussed with regard to origin, distribution and mode of dispersal.

**Key words:** Geoplanid; bipaliid; terrestrial; flatworms; Tricladida; Terricola; Nemertea

### Introduction

In 1988 a large terrestrial planarian (Color Plate 1 and Fig. 1) was found crawling over a rockery in the Bermuda Botanical gardens. It was preserved and eventually sent to HDJ for identification. The specimen has multiple eyes and a tapering, pointed anterior so is of the family Geoplanidae, but could not be identified with a described species. This find prompted a 7 day visit to Bermuda by HDJ in February 2003 to search for further specimens of this and other species of terrestrial planarians, and for terrestrial nemertines which occupy similar habitats. Prior to this visit, only three species of terrestrial planarians had been reported from Bermuda, though Sterrer (proof note in Moore *et al.* 2001) considered that only one species (*Bipalium kewense* Moseley 1878) occurred there. An endemic terrestrial nemertine species had not been recorded for many years, though another terrestrial nemertine has recently been found in Bermuda (Moore *et al.* 2001). The 2003 visit by HDJ