

A Revision of the Genus *Euthelepus* (Terebellidae: Thelepinae)

PAT HUTCHINGS AND CHRIS GLASBY

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

ABSTRACT. The genus *Euthelepus* is redefined, and of the 7 species currently assigned to it only 2 species belong to the genus, plus a newly described species *E. serratus* n.sp. The remaining species belong either to *Thelepus* or *Streblosoma*. A full description of each species is given where necessary, based upon a re-examination of type material. A key to the species of *Euthelepus* is given. Comments are made upon the validity of some of the characters which have been used traditionally in terebellid taxonomy.

HUTCHINGS, P.A. & C.J. GLASBY, 1986. A revision of the genus *Euthelepus* (Terebellidae: Thelepinae). Records of the Australian Museum 38(2): 105–117.

The genus *Euthelepus* was erected by McIntosh (1885) for *E. setubalensis*, and since then 7 other species have been assigned to the genus, plus the new species *E. serratus* described in this paper. However, on examining the literature it became apparent that *Euthelepus* was a mixture of species belonging to several genera. We therefore decided to examine type material of all the species which had been assigned to the genus, redescribe the species where necessary and assign it to correct genus.

Of the eight species which have been assigned to this genus, two species—*E. setubalensis* McIntosh, 1885, the type species, and *E. kinsemboensis* Augener, 1918—belong to the genus *Euthelepus*, plus a new species described in this paper. The remaining 6 species belong to either *Thelepus* (*E. malayensis* Caullery, 1944, *E. tenuis* (Verrill, 1900), *E. abranchiatus* Hartman & Fauchald, 1971 and *E. pascua* Fauchald, 1977a) or *Streblosoma* (*E. chilensis* McIntosh, 1885 and *E. atlanticus* Hartman & Fauchald, 1971). This has also necessitated the redefining of the genus *Euthelepus* and in the Discussion we comment on the usefulness of some of the generic characters which have been used in the subfamily Thelepinae.

The following abbreviations have been used in the text:

AHF Allan Hancock Foundation, Los Angeles

AM The Australian Museum, Sydney
BMNH British Museum of Natural History, London
HZM Zoologisches Institut und Zoologisches Museum der Universität Hamburg, Hamburg
USNM National Museum of Natural History, Washington, D.C.
YPM Peabody Museum of Natural History, Yale University, New Haven
ZMA Zoologisch Museum, Universiteit van Amsterdam, Amsterdam.

TAXONOMIC ACCOUNT

Genus *Euthelepus* McIntosh

Euthelepus McIntosh, 1885:465.

Type species. *E. setubalensis* McIntosh

Prostomium compact, with numerous grooved buccal tentacles. Three pairs of long, thick filaments, relatively sparse in number on segments 2, 3 and 4. Notosetae present from segment 3 and continuing for a variable number of segments. Notosetae either all smooth-tipped or a mixture of smooth-tipped and serrated setae. Neurosetae present from segment 5, continuing to pygidium; uncini with dorsal attachment button. Lateral lobes present on segments 2–3 and sometimes 4.