

EBSA SEDENTARY POLYCHAETE WORKSHOP
SWANSEA ~~Herieth~~ University
R April, 1984

BRITISH MABELONIDAE

PM

Ab f 10/4/84

Alex Muir

MABELONA sp. key (derived from various sources by A.I.M.)

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|---|---|---|
| 1) Small prostomial horns present | | 2 |
| Small prostomial horns absent | | 3 |
| 2) Length 80mm | <u>M. filiformis</u> | |
| Length 15mm | <u>M. filiformis</u> var. <u>minuta</u> | |
| 3) Red band about segments 5-8 | <u>M. alleni</u> | |
| No red band | | 4 |
| 4) Capillaries of segment 9 not distally inflated. Hooded hooks with one tooth above main tooth | <u>M. minuta</u> | |
| Capillaries of segment 9 not distally inflated. Hooded hooks with two teeth above main tooth | <u>M. rosea</u> | |
| Capillaries of segment 9 distally inflated. Hooded hooks with two teeth above main tooth | <u>M. ? mirabilis</u> | |

NOTES

M. rosea is a New England species. Southern's specimens from western Ireland are M. minuta according to Eliason, 1962.

M. ? mirabilis is a provisional name for the European specimens usually referred to as M. papillicornis, which is a Brazilian species according to Jones, 1977.

Name and Author.	Geographical Range and Habitat.	Body Length.	Prostomial Horns.	Segmental / Parapodial Characters.	Colour.	Chaetae.
<u>M. minuta</u> Eliason, 1962	Oresund, Cawsand (Plymouth) and Killary Harbour (W. Ireland). Clean and sandy mud, 13-53m.	?	Absent.	Bristled segments without cirri.	Pale? Dark granules between and a little behind parapodia.	Bristles of chaetiger 9 not distally inflated. Hooded hooks with one tooth above main tooth.
<u>M. alleni</u> Wilson, 1958	Clyde area to NW France (& off Morocco?). Mud to cleaner sand, offshore.	40mm	Absent.	Parapodia of chaetigers 1-8 positioned anteriorly on segment.	Red band from segments 4 or 5 to segments 8 or 9.	Chaetigers 1-9 with winged bristles. Chaetiger 10 on with hooded hooks with two teeth above main tooth.
<u>M. filiformis</u> * Wilson, 1959	Salcombe (Plymouth). * Clean to muddy sand, ELWST. *	80mm + *	Present (small).	Chaetigers 1-8 with dorsal & longer ventral cirri & an even longer process below the bristles. 9th. chaetiger without dorsal cirrus.	Pale. Dark granules dorsal to and a little behind parapodia.	Chaetigers 1-9 with winged bristles. Chaetiger 10 on with hooded hooks with two teeth above main tooth.
<u>M. ? mirabilis</u> (Johnston, 1865) non <u>M. papillicornis</u>	Europe & Mediterranean. Clean sand, lower tidal and offshore.	50-170mm	Absent.	Chaetigers 1-8 with square TS and well-developed dorsal & ventral lamellae. 9th. chaetiger with very large dorsal lamellae, ventral smaller. Chaetiger 10 on with oval lamellae, narrowed at base	Anterior region and palps pale pink. Posterior region greyish or greenish. Whitish bits on sides. Palps sometimes with black rays.	Chaetigers 1-8 with finely limbate capillaries. Bristles of chaetiger 9 distally inflated. Chaetiger 10 on with hooded hooks with two small teeth above main tooth.

*M. filiformis var. minuta Wilson, 1959 is 15mm+ in length, found off NE Scotland in muddy sand, 10-59m.