

NOTE ON THE *CEPHALOCHORDA* IN THE AUSTRALIAN  
MUSEUM.

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(Figure 1.).

Seven specimens of *Amphioxus* obtained in the dredge by Messrs. C. Hedley and A. R. McCulloch, at a depth of 5 to 8 fathoms at Murray Island, represent two of the sections into which the genus *Branchiostoma* may be divided.

HETEROPLEURON (*ASYMMETRON*) LUCAYANUM, *Andrews*.

The discovery of this species, originally found in the West Indies, in such a distant locality as Torres Strait, would appear somewhat remarkable (though by no means without parallel) were it not that the species of *Asymmetron*, obtained by Willey, in the Louisiade Archipelago, and named by that author *A. caudatum*, is now looked upon by him as not distinct specifically from the original type form of the sub-genus. As Murray Island is only about five or six hundred miles west of the Louisiades, there are many resemblances between the respective faunas, and it is not surprising to find a species of *Amphioxus* common to both.

HETEROPLEURON HEDLEYI, *sp. nov.*

The three specimens are of the same length—2·8 cm. In each of the two complete specimens there are fifty-four myotomes and nineteen gonads. In the third specimen several myotomes and gonads have been destroyed.

The opening of the oral hood is opposite the interval between the fifth and sixth segments; the atriopore opposite the thirty-third, the anus opposite the forty-fourth, and behind the anus there are either ten or eleven myotomes. The myotome formula is 33.11.10 or 11.