

## DESCRIPTION OF GENERA AND SPECIES.

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### Family EUPHROSYNIDÆ.

THE Euphrosynidæ, as the first group of his Amphinomea, have been so clearly indicated by Ehlers,<sup>1</sup> that at present they stand in no need of further notice. Their short ovoid form—hirsute with the characteristic bristles, rows of dorsal branchiæ, and the carunculated head—is diagnostic.

The Challenger was fortunate in procuring two species, for as their haunts are often littoral, they would thus seldom come under observation. A single species was found by Kinberg and Schmarda, since the *Euphrosyne polybranchia* of the latter is undoubtedly synonymous (as Ehlers states) with Kinberg's *Euphrosyne capensis*. Grube gives none in his *Annulata Cœstedia*, nor in the account of the Annelids of the German exploring ship "Gazelle," and only one (*Euphrosyne aurifera*) in Semper's fine series from the Philippines. In the "Novara" collection he found the same species as Kinberg and Schmarda. One form also is noted by Marenzeller<sup>2</sup> from southern Japan.

### *Euphrosyne*, Savigny.

*Euphrosyne capensis*, Kinberg (Pl. II. fig. 5; Pl. IA. figs. 1-3).

*Euphrosyne capensis*, Kinberg, Öfversigt k. Vetensk.-Akad. Förhandl., d. 14 Januari 1857, Stockh., 1858, p. 14; and Fregatten Eugénies Resa, 1858, taf. 12, fig. 14.

*Euphrosyne polybranchia*, Schmarda, Neue wirbellose Thiere, vol. i. part 2, 1861, p. 136, taf. 32, figs. 264-287.

Body rather more than usually elongate, somewhat fusiform, and of a reddish-orange colour. The caruncle, consisting of an elevated keel and a flat band, reaches to the eighth segment, and a short and somewhat stout conical tentacle exists in front of the ridge, with a well-marked eye at each side of the latter anteriorly. A pair of much more minute and in some nearly confluent eyes occurs on the ventral surface of the narrow cephalic ridge. The arborescent branchiæ are purplish, with the elliptical or sub-oval tips pale reddish, and each complete row generally consists of eleven trunks. The bifid dorsal bristles are of

<sup>1</sup> Die Borstenwürmer, i. p. 64 et. seq.

<sup>2</sup> Denkschr. d. k. Akad. d. Wiss. Wien, Bd. xli., 1879, p. 2 (sep. Abd.).