

position of the mouth, with its circle of branchiæ, which was placed on the lower surface of the body near the anterior extremity of the ambulatory area.

The trawl contained unfortunately only a fragment of a very large species of *Balanoglossus*. Although evidently a worm, this animal presents so many anomalies in structure, that Gegenbaur has defined a distinct order in its class for its accommodation, under the name of the Enteropneusta. The first known species, *B. clavigerus*, was originally discovered by Delle Chiage in the Bay of Naples, and after his first description it remained long unnoticed. Kowalewski subsequently detected another species of the genus, *B. minutus*, also in the Bay of Naples; and he worked out an excellent paper on the anatomy of the genus, and showed that, like the Tunicata, *Balanoglossus* possessed a rudimentary branchial skeleton.

The body, which is worm-like, is in three marked divisions; a stout muscular proboscis, with a terminal opening for the entrance and efflux of water, round which there is a ring of rudimentary eye-spots; a strong muscular collar, somewhat like the collar in *Sabella* or *Clymene*, between which and the proboscis the mouth is placed; and the body, which is divided into three regions—first, the branchial region, which occupies about one-third of the length of the animal and in which the esophagus is bordered by ranges of complicated gill-sacs, opening externally and supported by a delicate skeleton; secondly, a region which contains a simple stomach with hepatic cæca and the reproductive organs; and, thirdly, an enormously lengthened transparent gelatinous caudal region, terminated by the excretory opening. In our specimen only the proboscis, the collar, and the anterior portion of the branchial region were preserved; but the proportions of these—the proboscis alone 11 mm. in length by 18 mm. in width—proclaimed it a giant among its fellows.

From its structure alone *Balanoglossus* claimed a special, we might almost say a mysterious, interest; for its unusual bran-