

ENOPLUS PARALITTORALIS Wieser.

(Fig. 21, a-e.)

Enoplus paralittoralis Wieser 1953, Southern Chile.

Kerguelen Island : Station 48.

♂ (1x) : L = 5.7 mm. ; α = 38 ; β = 8.7 ; γ = 33.

Heard Island : Station 19.

♀ (1x) : L = 8.0 mm. ; α = 61 ; β = 9.4 ; γ = 31 ; V = 49%.

♂ (2x) : L = 6.6, 7.5 mm. ; α = 44, 47 ; β = 10.1, 9.4 ; γ = 33.

Macquarie Island : Coll. H, M.

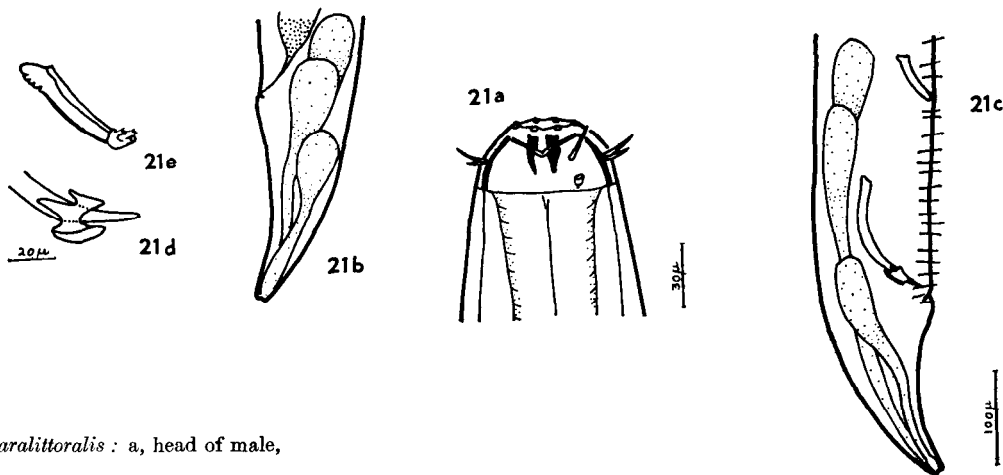
♂ (4x) : L = 6.2-7.7 mm. ; α = 37-51 ; β = 8.3-8.5 ; γ = 31-35 ; V = 45-50%.

♂ (4x) : L = 5.9-7.5 mm. ; α = 42-50 ; β = 8.2-9.4 ; γ = 29-39.

These specimens are very close to both *E. littoralis* Filipjev and *E. paralittoralis*. The α and γ index is greater than in either of the two species. The tail shape and relative jaw size is similar in both. The spicule length, though similar to both if measured in anal breadths, is much greater than that of *E. littoralis*, and the distance of the preanal organ from the anus is greater, relatively and absolutely, than in this species.

The cephalic setae are about a third to a quarter of the cephalic diameter. The amphid diameter is about an eighth of the corresponding head breadth. The length of the jaws is about 33% of the cephalic diameter. The spicule is 120-150 μ long, 1.1-1.4 times the anal breadth. The median part of the gubernaculum is 25 μ long and is more strongly chitinized than the two lateral parts, each of which have two projections on the proximal edge. The preanal organ is tubular, its free end terminating in a knob with a "comb" on each side (fig. 21e). It is 40-60 μ long, and lies 1.5-2.0 times the anal breadth in front of the anus.

The five females, the measurements of which are given above, are all ovigerous. The eggs, about 170 μ by 100 μ , are smaller and less elongate than those of *E. michaelsoni*, which species is present in the same collection. The tail length is 1.7-2.2 anal breadths in the male, 1.8-2.6 in the female.



21. *E. paralittoralis* : a, head of male,

b, and c, tail of female and male to same scale ; d and e, gubernaculum and preanal organ, to same scale.

STATION 48 : Swain's Bay, near Swain's Haulover. Shore collecting.

STATION 19 : $53^{\circ} 05' 30''$ S., $73^{\circ} 24'$ E., Shore collection along beach of Atlas Cove. Nematocysts from algae washed up on shore.

The following collections were made at Macquarie Island by the A.A. Expedition during 1912-1913. The reference letters under which they are listed here follow in alphabetical sequence with those given to A.A.E. Antarctic collections recorded in Section 2 of this Report :—

H. Among seaweeds, probably at the north end of the Island.

M. West coast, among green algae and oligochaetes.