XIX. — ON A GIGANTIC NEREIS (NER. *IJIMAI* IZ.) FROM JAPAN.
BY DR. R. HORST.

Among the Polychaeta of the Leyden Museum I met with a large 
Nereis-specimen, presumably collected in Japan, that in the structure 
of its parapodia so much agrees with *Ner. ijimai* 1) described by Izuka from 
that country, that in my opinion it must be identified with this species, 
though there are some discrepancies in the armature of the proboscis. 
*Nereis ijimai*, like as *Ner. oxypoda* Marenz, *Ner. virens* Sars a. o. are 
characterized by the presence of a large, foliaceous dorsal ligula at the 
parapodia of the median body region and were ranged by Kinberg in 
his genus *Alitta* 2). Unfortunately Izuka had only a single female spe­
cimen at his disposal, that was sexually mature and showed some 
epitocous transformation after the 40th parapodium by the presence of 
cultrate setae and epitocous lamellae; it had a length of 390 mm. and 
consisted of 215 segments. Our specimen reaches 350 mm. and the number 
of segments amounts to about 200; it is also a female, filled with small 
eggs; however it is not entirely mature and there are neither paddle-
shaped bristles nor epigamous lamellae. The proboscis was everted and 
its armature consists of:

I  =  a single indistinct paragnath (in Izuka's specimen absent).
II = a crescent, distichous group of 9 to 10 paragnaths (in 
   Izuka's specimen in small groups).
IV = a crescent group of 16 to 18 paragnaths, the anterior ones 
   arranged in a single row (in Izuka's spec. 3 or 4 in a group).
III = a single paragnath (in Izuka's spec. absent).
V  = 0 (in Izuka's spec. absent).
VI = 8 to 10 paragnaths in a round group (in Izuka's spec. 6 
   or 7 pieces in an oblique group).
VII—VIII = a row of 7 rather large paragnaths, with traces of a second 
   row behind it (in Izuka's specimen a few large ones, with 
   minute ones scattered among them, in two continuous trans­
verse rows).

Taking into account the variability of the number of paragnaths in 
the different groups of the proboscis in *Ner. succinea* Leuck. — *diversi­
color* O. F. Müller a. o. I do not hesitate to identify the specimen of the 
Leyden Museum with *Ner. ijimai* Iz.

1) The errantie Polychaeta of Japan, p. 174, Pl. II, fig. 1; Pl. XIX, figs. 1—9.
2) Annulata nova, p. 178.