

the second gnathopods and telson. "*Eusirus Holmii*, n. s. (Tab. xxii, Fig. 1-1b), is said to be very like *Eusirus cuspidatus* in respect to the carina and dentation of the back and in the form of the hands, while it much resembles *Eusirus longipes* by the length of its legs, which, however, are considerably longer than in the last-named species, but it is said to differ from both the species mentioned by its specially long upper antennæ, by the size and form of the three first pairs of epimera, and in several other respects. The length of an adult female was 53 mm. *Microdeutopus arcticus*, n. s. (Tab. xxii, Fig. 3), is also remarkable for its size, attaining a length of 29 mm. Dr. Hansen was under the impression moreover that none of his specimens were full grown.

A description and figures are given (Tab. xxi, Fig. 5-5c) of the maxillæ and maxillipeds of *Socarnes bidenticulatus* (Sp. Bate). Of "*Stegocephalus ampulla* (Phipps) (Tab. xxi, Fig. 10-10c)" the mandibles and maxillæ are described and figured. In a footnote, however, Dr. Hansen says that, judging by the length in comparison with the depth of the fourth side-plate, and by the form of the widened second [first free] joint of the fifth pereopod in Phipps' figure, as well as by the size of the animal, Phipps' species must be the same as *Stegocephalus kessleri*, Stuxberg. His own specimens ought therefore, he says, to have been named *Stegocephalus inflatus*, Krøyer. Dr. Hansen also states that *Stegocephalus kessleri*, Stuxberg, is pretty certainly the same as *Stegocephalus ampulla*, forma altera, Goës.

Of "*Acanthostepheia Malmgrenii* (Goës) (Tab. xxi, Fig. 11, 11a.)," the maxillæ are described and figured.

"? *Oedicerus microps* G. O. Sars (Tab. xxi, Fig. 12.)," is thought to be possibly an intermediate form between *Oedicerus microps*, Sars, and *Oedicerus macrocheir*, Sars.

Boeck's *Acanthonotozoma* is altered into *Acanthonotosoma* for the three species, *crisatum* (Owen), *serratum* (O. Fabr.), and *inflatum* (Krøyer). Of the last species Hansen's largest specimen was "18,5 mm" in length, and the postero-lateral angles of the first two pleon-segments were acute, making it doubtful whether Boeck's *Acanthonotozoma inflatum*, 6,5 mm long, and with these angles rounded, is really the same as Krøyer's species.

To *Acanthozone cuspidata* (Lepechin) the synonyms assigned are "*Oniscus cuspidatus* Lepechin," "*Amphithoe Hystrix* Krøyer," "*Acanthozone cuspidata* Boeck," and the species is said to be easily distinguishable from all other Amphipods, without notice of the doubt thrown upon this point by E. J. Miers. See Note on Lepechin, 1780.

Of "*Gammarus Locusta* (Lin.). (Tab. xxii, Fig. 2-2b.)" the maxillæ and maxillipeds are figured, with a view more particularly to show the basal joints.

*Melita dentata* (Kr.) is recorded, and "*Gammarus dentatus* forma altera Goës" is described as a new species "*Melita Goësi* n. s. (Tab. xxi, Fig. 13)." It is a little singular, if the two forms are really distinct, that a single specimen of each should have been obtained at the same spot, the two specimens also closely agreeing in size; but the differences are said to be numerous.

"*Melphidippa spinosa* (Goës)" is identified with "*Gammarus spinosus* Goës," but doubtfully with Boeck's *Melphidippa spinosa*.

A female *Podocerus* is named "(?) *Podocerus brevicornis* G. O. Sars." Nine specimens of "*Ægina spinosissima* Stimpson" were obtained, and Dr. Hansen observes that the species from the "Vega" expedition named *Ægina echinata* is obviously this species.

Of "*Caprella spinosissima* Norman (Tab. xxii, Fig. 4, 4a.)" the maxillæ are described and figured, and the statement made that on the second pair and three hindmost pairs of legs there is a short but well chitinized and movable first joint. This species should rather be called *Caprella horrida*, Sars. See p. 571, in Note on Sars, 1885.

The other species here recorded are named "*Parathemisto abyssorum* A. Boeck;" "*Socarnes VahlII* (Kr.);" "*Anonyx lagena* Kr.;" "*Anonyx gulosus* Kr.;" "*Orchomene pectinatus* G. O. Sars;" "*Harpinia plumosa* (Krøyer);" "*Halicreion latipes* G. O. Sars;" "*Aceros*