

caudal appendages are attached. The five pairs of ambulatory legs are long and slender, and the three pairs of 'swimmerets' are normal. The eggs are large and few in number; some of those observed contained embryos in which nearly all the appendages were developed, showing that the young undergo no metamorphosis.

"Dr. von Willemoes-Suhm, who has carefully described this singular form, has proposed to establish for the genus a family Cystosomidæ, holding a place intermediate between the Typhidæ and the Phronomidæ."

A casual allusion to Amphipods occurs on p. 388.

#### 1877. WOODWARD, HENRY.

A Catalogue of British Fossil Crustacea, with their synonyms and the range in time of each genus and order. London, 1877.

The notices of Amphipoda in this work are as follows:—Introd., p. vi. "The order Amphipoda has one representative in the Upper Silurian (the *Necrogammarus Salweyi*, H. Woodw.); it is represented by *Gampsonyx* in the coal of Rhenish Prussia, and by the genus *Prosoponiscus* in the Permian of Durham. Other (Secondary) species occur in Bavaria, etc. The living genera of Amphipoda are abundant, both marine and freshwater; and some species are even terrestrial in their habits."

The table of genera and species, etc., on p. viii., assigns but one genus and one species to the British fossil Amphipoda.

Page 62 gives "Order V. Amphipoda.

"*Prosoponiscus*, Kirkby, 1857.

"*Trilobites*, Schloth. 1820, Petrefact. p. 41.

"*Prosoponiscus*, Kirkby, 1857, Quart. Journ. Geol. Soc. vol. xiii. p. 214; Spence Bate, 1859, ib. vol. xv. p. 137.

"*Distribution*. Permian.

"*Prosoponiscus problematicus*, Schloth. sp. 1820. Magnesian Limestone, Durham.

"*Trilobites problematicus*, Schloth. 1820, Petrefact. p. 41.

"*Prosoponiscus problematicus*, Kirkby, 1857. Quart. Journ. Geol. Soc. vol. xiii. p. 214, pl. vii. figs. 1-7; Spence Bate, 1859, Quart. Journ. Geol. Soc. vol. xv. p. 137, pl. vi. figs. 1-7."

In regard to the above, see Notes on Schlotheim, 1820, 1822; Schaueroth, 1854; Kirkby, 1857; Woodward, 1871.

#### 1877. WRZEŚNIEWSKI, AUGUST.

Ueber die Anatomie der Amphipoden. Protocolle der Sitzungen des Section für Zoologie u. vergleichende Anatomie des V. Versammlung russischer Naturforscher u. Aerzte in Warschau in September 1876, mitgetheilt von Prof. Hoyer. Zeitschrift für wissenschaftliche Zoologie. Achtundzwanzigster Band. Leipzig, 1877. pp. 403-404.

*Synurella polonica*, a new genus and species, is here introduced, but not described, since the account of its circulation can scarcely stand either for generic or specific description. The name *Synurella* was afterwards, with perhaps unnecessary purism, changed to *Goplana*. The change indeed would have scarcely been legitimate, had *Synurella* at its first introduction been attended by sufficient description to give it a status in scientific nomenclature. The interesting details in regard to the heart, etc., were subsequently repeated with improvements. Reference is made to "*Callisoma Branickii*," earlier described, and to "*Hyale Jelskii*" described subsequently.