

Selensky also regards the processes present as having to do with the formation of the cellulose substance."

The musculature, the pharyngeal apparatus, interesting notes on the parasites of the tentacles, the branchial basket proper, the endostyle, the sub-neural gland, the digestive tract and its parasites, each received a share of careful description. Then the reproductive and circulatory systems are discussed. The movements of the heart and the character of the blood cells are also noted, some new light being thrown on the latter although Roule has arrived at very similar results from his researches on the simple ascidians from the Coast of Provence, France. Three plates accompanying the paper. The figures were nearly all outlined by the author with the aid of an Abbé camera lucida.—H. M. AMI.

Zoology—VERRILL, A. E.—*Distribution of the Echinoderms of North-eastern America*.—Amer. J. Sc. & Arts, Vol. XLIX, 3rd Ser., No. 290, pp. 127-140, February, 1895, also *ibid*, No. 291, pp. 199-212, March, 1895, New Haven, Conn.

The following species of Echinodermata from Canada and other British possessions in North America are recorded in these interesting papers by Prof. Verrill.

ASTERIOIDEA.

No.	Genera & Species.	Author.	Locality.	Remarks.
1	<i>Pontaster hebitus</i> .	Sladen.	Nova Scotia and Newfoundland.....	Banks off the coast.
2	<i>Pseudarchaster intermedius</i>	Sladen,	Nova Scotia.....	A circum-polar species.
3	<i>Ctenodiscus crispatus</i>	Dub. and Koren	Bay of Fundy.....	
4	<i>Psilaster Floreæ</i> .	Verrill.....	Banks off Nova Scotia..	Taken by Gloucester fishermen.
5	<i>Pentagonaster granularis</i>	Perrier.	Banks off Nova Scotia..	Taken by Gloucester fishermen.
6	<i>Hippasteria phrygiana</i>	Agassiz.....	Bay of Fundy, Nova Scotia.....	On hard bottoms.
7	<i>Tremaster mirabilis</i>	Verrill.....	Banks off Nova Scotia and Newfoundland...	
8	<i>Solaster endeca</i>	Forbes.....	Bay of Fundy, banks off Nova Scotia.....	In 40 to 150 fathoms.