

Station 6, 530 fathoms. One specimen.

Station 7, 530 fathoms. Nine specimens.

All these individuals differ from the typical form described by Düben and Koren in their small size, the largest being only about 15 mm. in length, and 10 mm. in breadth, and some other unimportant differences also exist. The pedicels being scattered over the whole body, seem to be more numerous along the three ventral ambulacra, forming there, more or less conspicuous rows. Pedicels with a few small arcuate spicula, and a small irregular terminal plate. Tentacles with larger and smaller, straight or arcuate spicula, the ends of which are enlarged and perforated. Anus with fine, small, elongated, perforated plates resembling teeth.

Stichopus (?) *tizardi*, nov.

Station 6, 530 fathoms. Two rather incomplete specimens, and some fragments.

Station 4, 555 fathoms. Some fragments.

In consequence of the fragmentary condition of the specimens which have been at our disposal, it has been quite impossible to obtain an exact idea of their form, or to fix the genus to which they belong. The viscera having been ejected it could not be ascertained whether respiratory organs were present or not. The bottle in which the specimens were stored contained also the posterior part of an intestine with two respiratory trees, and it seems probable that these organs belong to the larger specimen. As they bear some resemblance to *Stichopus* I propose, for the present at least, to refer them to that genus.

Body elongated, the length of the larger specimen being about 130 mm. Bivium with some small retractile processes arranged in a row around its foremost part, and with a few larger ones scattered on the back. Trivium with small retractile pedicels. It is impossible to state how the processes and pedicels are arranged on the larger specimen, but the fragments plainly show that the bivium is provided with tubercles or processes all round the body, and that the pedicels are disposed in rows on the bivium. Mouth anterior ventral; anus posterior, terminal, subdorsal. Tentacles twenty of almost equal size, their terminal part rather large, with some retractile processes. Integument very thick and soft, with two kinds of calcareous deposits; small G-shaped spicula; and other bodies representing the form of a

cross or star, composed of four long, straight arms with the ends more or less enlarged, flattened and pierced with one large and a few small holes; sometimes the enlarged ends of the arms are connected with one another, forming a more or less round, perforated plate; the centre of the cross always with a large and straight tower or steeple, directed outwards from the body of the animal, and composed of four long, straight, parallel columns, held together by three to seven transverse bands. The pedicels and processes with numerous rather large, more or less arcuate spinous spicula, and the former with a rudimental perforated terminal plate.

Only one pyriform sac, rather slender and cylindrical, the length being about 35 mm. The madreporic canal dorsal, very small, with numerous small spicula, curved in the form of a C, and resembling those of the integument. Each of the powerful longitudinal muscles is double. Genital tubes dichotomously branched, arranged in two rather large clusters, one on each side of the dorsal mesenterium, each cluster being again divided into from five to seven smaller ones. The respiratory trees (if they really belong to these animals) are two, undivided, almost of equal size, about 45 mm. in length, and bearing along their whole length a great many small processes or branches. Colour in alcohol light gray; terminal parts of the tentacles yellowish with some dark points.

Report on ECHINOIDEA. By Professor Alex. Agassiz.

I have examined the things and send you a list. There is nothing new, but I am very glad to have good specimens of *Phormosoma uranus* and *placenta*, which I had not seen, as well as good young specimens of *Echinocardium pennatifidum*, which are interesting.

<i>Dorocidaris papillata</i> , A. Ag.	St. 1	305 fms.
<i>Porocidaris purpurata</i> , W. Th.	St. 7	530 "
<i>Phormosoma uranus</i> , W. Th.	St. 4	555 "
" <i>placenta</i> , W. Th.	St. 4	555 "
	and St. 2	530 "
<i>Echinus norvegicus</i> , D. & K.	St. 7	530 "
	St. 1	305 "
	St. 3	53 "
" <i>acutus</i> , Lamk.	St. 3	53 "
" <i>melo</i> , Lamk.	St. 3	53 "
<i>Echinoecyamus pusillus</i> , Gray	St. 3	53 "