

COMPOSITION OF THE FIXED SEA URCHIN COLONY ON HATAKEZIMA ISLAND, 1971

The examination was made on July 9, 1971, two days after the typhoon No. 13 passed through the south of Sirahama. The water was lowest, 2 cm, at 12:35; it was cloudy; the sea was slightly wavy, because of the south wind. The ratio of the number of *Echinostrephus* to that of *Anthocidaris* (E/A) was 1.469, the maximum for the eight years of observations. This was brought about evidently by a considerable decrease of *Anthocidaris* and a significant increase of *Echinostrephus*.

Table 1. Population composition in the fixed echinid colony in July, 1971.

	Section 1 (SW)	Section 2 (NW)	Section 3 (SE)	Section 4 (NE)	Total	Percent
<i>Anthocidaris crassispina</i>	70	73	84	48	275	35.4
<i>Echinostrephus aciculatus</i>	60	179	96	69	404	52.1
<i>Echinometra mathaei</i>	6	9	25	21	61	7.9
<i>Mespilia globulus</i>	12	9	8	3	32	4.1
<i>Hemicentrotus pulcherrimus</i>		1		3	4	0.5
					776	100.0

TAKASI TOKIOKA and YASUNOBU YANAGISAWA