

**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

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