

COMPOSITION OF THE FIXED SEA URCHIN COLONY ON HATAKEZIMA ISLAND, 1970

Composition of the echinid population was examined in the fixed colony on Hatakezima Island on July 19, 1970. The water was lowest, -3 cm, at 12:17; it was fine, the sea was calm, and a breeze blew from the south. The ratio of the number of *Echinostrephus* to that of *Anthocardis* (E/A) was 1.006, a little larger than in 1966-1969; this was seemingly brought about by a little decrease of *Anthocardis* in the area, while the density of *Echinostrephus* remained as it was in 1969. For previous data see: Publ. Seto Mar. Biol. Lab., vol. 11, no. 2, 1963, pp. 415-424; *ibid.*, vol. 14, no. 1, 1966, pp. 7-16; and *ibid.*, vol. 17, no. 3, 1969, pp. 187-191.

Table 1. Population composition in the fixed echinid colony in July, 1970.

1970, July 19	Section 1 (SW)	Section 2 (NW)	Section 3 (SE)	Section 4 (NE)	Total	Percent
<i>Anthocardis crassispina</i>	71	86	120	55	332	45.9
<i>Echinostrephus aciculatus</i>	51	148	81	54	334	46.2
<i>Echinometra mathaei</i>	1	13	16	15	45	6.2
<i>Mespilia globulus</i>	5	3	1	2	11	1.5
<i>Hemicentrotus pulcherrimus</i>				1	1	0.1
<i>Pseudocentrotus depressus</i>	1				1	0.1
					724	100.0

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