

## VIII. RECENT BRYOZOANS ON THE EAST OFFSHORE OF THE BOSO PENINSULA

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Recent bryozoans are studied on the bottom sediments collected by a grab sampler during the cruise GH80-2 on the shelf east of the Boso Peninsula. Bryozoan fauna are analysed on the basis of quantitative examinations in this paper.

Maximum number of bryozoans is observed on the shallower shelf (G1010 and G1015) and relatively large numbers are observed on the outer shelf south side of the Katakai Canyon (Fig. VIII-1 and Table VIII-1).

Dominant bryozoans are as follows (Plate VIII-1):

Incrusting form; *Tegella unicornis* (Fleming), *Onychocella subsymmetria* Canu and Bassler, *Petraliella* sp., *Arthropoma cecilli* (Savigny-Avdvin), *Schizomavella ternata* (Ortmann), *Microporella ciliata* (Pallas), *Celleporaria* sp., *Lichenopora* sp.

Erect form; *Caberea lata* Busk, *Thalamoporella listicha* (Ortmann), *Microporina articulata* (Fabricius), *Cellaria punctata* (Busk), *Celleporina geminata* (Ortmann), *Adeona japonica* (Ortmann), *Adeonellopsis pentapora* Canu and Bassler, *Schizoretepora*

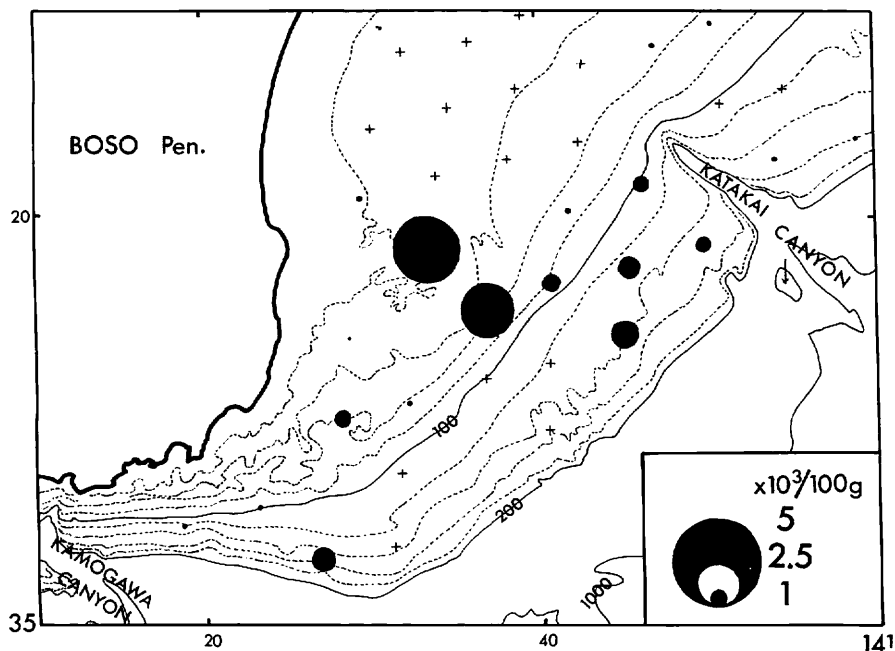


Fig. VIII-1 Number of specimens of Ectoprocta.

Table VIII-1 Distribution chart of bryozoan zoarial habits

Station	Depth	fraction of more than 2 mm						fraction of 1-2 mm						fraction of 0.5-1 mm						Total
		Incrusting		Erect		Free		Incrusting		Erect		Free		Incrusting		Erect		Free		
G959	47 m																			0.0
G960	32																			0.0
G961	58	0.7	0.0	0.0	0.0	0.0	1.9	1.3	1.3	0.0	0.0	28.8	13.1	13.1	0.7				46.5	
G962	107																			0.0
G963	152	0.0	0.0	0.0	0.0	0.0	1.0	3.1	3.1	0.0	0.0	6.1	3.1	3.1	0.0				13.3	
G964	163	8.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8	0.9				12.8	
G965	125																			0.0
G966	75	0.0	0.8	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	3.3	5.0	5.0	0.0				13.9	
G969	100	1.8	0.9	0.9	0.9	0.9	0.9	3.5	3.5	0.9	0.9	17.6	2.6	2.6	0.0				29.1	
G971	196	4.9	0.7	0.7	0.7	0.7	2.1	2.8	2.8	0.0	0.0	3.5	1.4	1.4	0.0				16.1	
G983	130	16.5	111.5	3.3	3.3	112.4	112.4	770.0	770.0	14.9	14.9	244.6	2439.8	2439.8	11.6				3724.6	
G984	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.2	40.2	40.2	0.0				67.4	
G985	42																			0.0
G986	33																			0.0
G987	22																			0.0
G988	26																			0.0
G989	33																			0.0
G991	112	45.5	57.1	1.8	1.8	198.8	198.8	451.0	451.0	3.6	3.6	260.3	1548.6	1548.6	0.0				2566.7	
G992	144	76.0	52.6	2.8	2.8	360.5	360.5	597.9	597.9	17.8	17.8	720.0	2289.4	2289.4	21.6				4138.6	
G995	130	2.8	0.0	0.0	0.0	0.9	0.9	1.9	1.9	0.0	0.0	6.5	18.7	18.7	1.9				32.7	
G996	94	14.0	0.9	0.0	0.0	17.7	17.7	11.2	11.2	1.9	1.9	56.0	42.0	42.0	0.9				144.6	
G1000	155	163.2	44.3	1.9	1.9	344.4	344.4	403.8	403.8	14.2	14.2	714.3	2142.8	2142.8	15.1				3844.0	
G1001	30																			0.0
G1002	39																			0.0
G1003	57	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	0.0				2.7	
G1004	105	26.9	13.0	0.9	0.9	151.1	151.1	194.5	194.5	6.1	6.1	283.1	874.4	874.4	2.6				1552.6	
G1005	150	31.0	38.9	1.6	1.6	94.5	94.5	389.0	389.0	15.9	15.9	155.6	895.5	895.5	4.8				1626.8	
G1006	62	29.0	14.1	-0.0	-0.0	394.3	394.3	271.1	271.1	4.4	4.4	2946.7	5107.4	5107.4	42.2				8809.2	
G1007	27	164.6	116.2	3.4	3.4	978.3	978.3	1037.7	1037.7	32.2	32.2	3190.3	5111.3	5111.3	39.9				10673.9	
G1008	20	1.0	0.0	0.0	0.0	21.9	21.9	1.0	1.0	0.0	0.0	166.5	81.8	81.8	0.0				272.2	
G1014	65	23.2	1.0	0.0	0.0	14.5	14.5	17.4	17.4	1.9	1.9	51.2	118.9	118.9	1.0				229.1	
G1016	55	22.2	24.9	0.0	0.0	136.6	136.6	96.9	96.9	1.8	1.8	473.7	637.1	637.1	3.7				1396.9	

(数値は、300g 中の遺骸個数を表わす)。



Plate VIII-1 Bryozoans from the east offshore of Boso Peninsula.

- 1) *Caberea lata* Busk,  $\times 25$ , arranged in 4 rows from G1006.
- 2) *Microporina articulata* (Fabricius),  $\times 25$ , from G983.
- 3) *Cellaria punctata* (Busk),  $\times 25$ , from G1006.
- 4) *Celleporina geminata* (Ortmann),  $\times 10$ , from G1006.
- 5) *Adeonellopsis pentapora* Canu and Bassler,  $\times 6.3$ , bilamellar zoarium, from G1014.
- 6) *Myriozoum subgracile* d'Orbigny,  $\times 10$ , from G992.
- 7) *Crisisina* sp.,  $\times 25$ , from G1000.
- 8) *Schizoretepora tumescens* (Ortmann),  $\times 25$ , fenestrated zoarium, from G1006.
- 9) *Crisia bucinaform* Okada,  $\times 25$ , from G1000.

tumescens (Ortmann), Myriozoum subgracile d'Orbigny, Myriozoum cf. serratum Mawatari, Crisia bucinaform Okada, Crisia sp., Tubulipora sp.

Conescharellini form; Conescharellina sp.

Almost all species which are observed on the upper neritic zone are also found on the lower neritic zone. A few species such as Microporina articulata and Myriozoum subgracile are observed only on the lower neritic zone.

It has been noticed in many papers that erect forms are living in deeper water. Number of erect form is larger than that of incrusting form on the lower neritic zone of a flat shelf northeast of the Boso Peninsula. However, number of erect form is not larger than that of incrusting form on the narrow shelf southeast of the Boso Peninsula. These facts may suggest that bryozoan fauna are controlled in their habits not only by water depth but also by topography.