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-  [TAUSCHBÖRSE](#)
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-  [ANZEIGEN](#)
-  [FISCHE](#)
-  [TIPPS](#)
-  [LEXIKON](#)
-  [KONTAKT](#)
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-  [DIVERSES](#)



DU WILLST AUCH EINEN BERICHT EINSENDEN? - HIER KLICKEN!

F BALLS IN DER OSTSEE

18.11.2001 by [Thomas Meyer](#)

...ny MariLim has to 15.06.01 the first artificial reef in the Baltic Sea to ... of ball. Reef of ball are semicircular artificial reef modules with break-t ... uilding material a pollution free special concrete was used, whose pH ... sea water. Thereby a rapid settlement is made possible by organism ... surface before the institute for seaside resort in Holtenau (Kiel) was se ... ufactured by Reef of ball, which differ in their concrete composition ai ... p determine the optimal composition. Altogether 12 Reef of ball were ... eed was gotten first in the shallow water and dragged afterwards with a boat to the v ... where it was then set off according to the coincidence principle on the bottom of the se ... the positioning were accompanied and supervised by a diver. The goal of this attempt ... settlement speed and the kind spectrum on the Reef of ball. To 04.07.01 was taucheris ... surfaces of the reef bodies, as a surface was sucked off in each case by 10 cm X 10 c ... suction arrears were conserved for the later investigation in the laboratory. Additionally ... were taken for the determination of the soil-living micro organisms. This kind of the Bei ... continued in 14 - a täglichen rhythm, in order to seize the Sukzession of the kinds. Arou ... organisms the Reef of ball will be able to seize regularly visually examined and counte



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Fig. 1: Already after few days the surface of the Reef of ball was wide sei

The four experimental groups are tested in the following on qualitative and quantitative the existing organisms. Already one week after the yield showed up with a control dipp already greener intestine seaweed (*Enteromorpha* frame) had settled. A sessiler bristle *Polydora* began to settle likewise the surface. The common beach crab *Carcinus maer* found in the internal concavity.

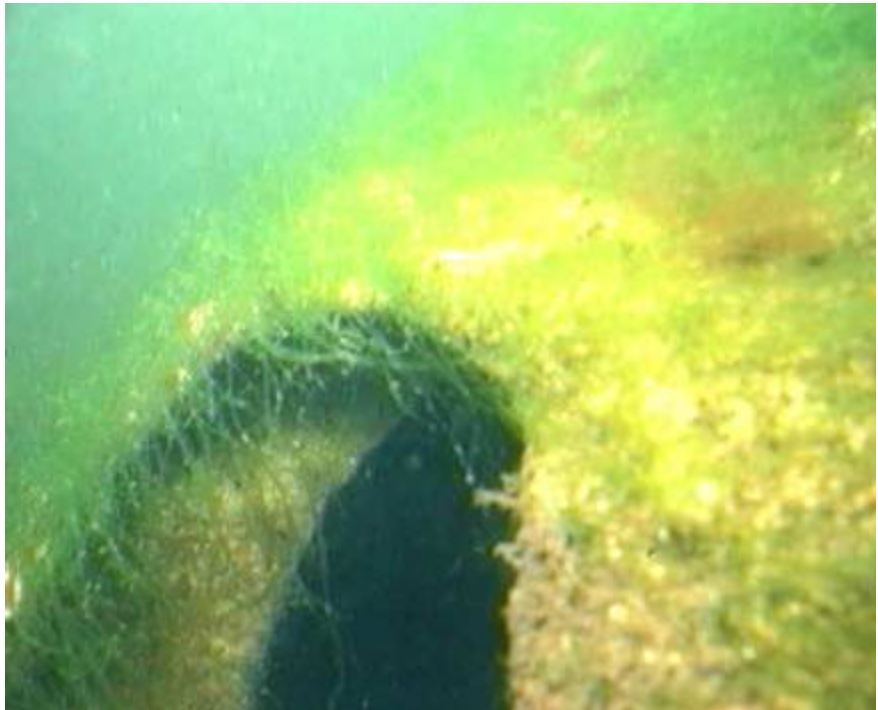


Fig. 2: Strong occurrence of *Enteromorpha* frame two weeks after the yi

After further 2 weeks a multiplicity of low animals had already strongly settled the surfa mussels (*Mytilus edulis*) and sea-smallpox (*Balanus improvisus*) form meanwhile alrea colonies. The predatory living sea-star *Asterias rubens* was partly also represented ove per Reef ball. The reef was accepted likewise very well by different fish types. Under fc is e.g. different Grundelarten (*Gobiidae*). Several times animals were observed when e bodies. Also sea-scorpions (*Myoxocephalus scorpius*) were observed frequently in the ii Since this species is night active, the animals probably use the reef as quiescent place



Fig. 3: Complete settlement of a reef body by a rich animal and alga community four yield.

In the interior the ball already sea-sheaths (*Ciona intestinalis*) settled. This Filtrierer he meets good flow conditions.

For the future a further increase of the kind spectrum is most probable. Perennial on th kinds of alga of several years can be likewise counted.

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