

attached to them. They varied from two and three fourths to five inches in length, some of them showing considerable growth. This proves that Atlantic oysters can be transplanted to the Pacific and remain healthy and grow. Upon reaching home I proceeded to examine some of the oysters and it turned out that only one had already spawned while the other fifteen were ripe and generally somewhat distended with eggs or sperm. This proves that the transplanted oysters can come to maturity and ripen the reproductive elements.

At 7.10 P. M. of the same day I put together eggs and sperm in a tumbler of sea-water and at 7 A. M. next morning there was an abundance of segmentation stages and free-swimming larvæ. This proves that the oysters can spawn and that the eggs can develop into young. I make these statements because of a prevailing opinion that the transplanted oysters have all died, and the few people who think there are still some living are dogmatic in their assertion that they do not breed.

Plankton taken at intervals at Hammond and Nanoose Bays had not yielded any oyster larvæ, which became explainable upon finding the condition of the reproductive organs. A further observation on this was afforded on the 26th of July, when I examined a second lot (obtained at a very low tide the day before) from Nanoose Bay. The forty-seventh oyster examined was the first to yield good ripe eggs—all previous ones were spawned with the exception of four or five which were ripe males. The interval between these two visits had been the hottest of the summer and the oysters had nearly all spawned in this period—slightly later than is usual on the Atlantic. On the 27th I made a trip to Oyster Harbor (Ladysmith), about fifteen miles from here, where I had better luck in getting track of the few transplanted oysters. In a similar way I examined several individuals and took plankton which for the first time contained larvæ of the Atlantic oyster—recognizable by their shape and measurements but not presenting such a deep pink or brown