

PHORONIS MUELLERI SELYS-LONGCHAMPS (PHORONIDA) FOUND NEAR BERGEN, WESTERN NORWAY

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SARSIA



(TUNBERG, BJÖRN & STEFAN MATTSON 1980 11 21. *Phoronis muelleri* SELYS-LONGCHAMPS (Phoronida) found near Bergen, western Norway. — *Sarsia* 65:301. Bergen. ISSN 0036-4827.

Adults of *Phoronis muelleri* were found in Raunefjorden, western Norway, at 1.8–10 m depth in a sandy bottom, rich in calcium carbonate. This is the second record of adults from Norway.

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Phoronis muelleri has a world-wide distribution (EMIG 1979). In Norway, adults have hitherto been reported only from Trondheimsfjorden (HOLTHER 1977), whereas actinotrocha larvae have been found in plankton near Bergen (SCHEPOTIEFF 1906).

Between Nov. 1975 and March 1976, adult specimens of *Ph. muelleri* were collected by means of a diver-operated suction sampler at Eggholmane in Raunefjorden, 60°15'56" N, 5°13'00" E (Institute of Marine Biology Ref. Numbers E/191–75 and E/293–76. The specimens were found at 1.8–10 m depth (the sampling depth interval was 0.5–13 m) where the sediment was dominated by medium to very coarse sand (0.25–2.00 mm grain size) with a very high content of calcium carbonate, viz. c. 87 %. The salinity in the area remained fairly steady at c. 33 ‰ and the water temperature, at a depth of 3 m, varied between 3.8 (March) and 11.1 °C (Nov.).

The species was common. The highest density, c. 150 tubes per m², was found at a depth of 3.1 m in a narrow sound between two small islands, but it was not checked whether all tubes contained animals or not.

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