

## Corrigendum

*Mar. Biol.* 109, 245–258 (1991) L. Buhl-Jensen, J. H. Fosså:

Hyperbenthic crustacean fauna of the Gullmarfjord area (western Sweden):  
species richness, seasonal variation and long-term changes

On p. 245 on this paper a printing error was made in the abstract. The abstract is given in its correct form below.

**Abstract.** Distribution of 118 species of Amphipoda, Mysidacea and Decapoda, sampled in 1984 and 1985 with an epibenthic sledge along a transect from the Skagerrak to the inner Gullmarfjord (Sweden), is described. Amphipods were richest in species in the Skagerrak, while most mysid species were taken at the sill. Decapods did not display any clear pattern. Twinspan, a multivariate data analysis program, divided the samples into four groups: (I) deep-fjord samples; (II) sill, shallow-fjord and deep-basin samples; (III) sill samples; (IV) Skagerrak samples. Characteristic species of the groups were identified with a pseudo  $F$ -test. Detrended Correspondence Analysis indicated seasonal faunal changes at 42 and

72 m depths. At both depths a shift in numerical dominance from amphipods to mysids was found in winter. The most pronounced changes seemed to occur at 42 m. Changes in composition and abundance of species during a renewal of the bottom water indicated that mysids were influenced by presumed near-bottom currents, while amphipods and decapods were not. Comparison of the present amphipod fauna with the fauna in 1933–37 revealed significant differences. The fauna in the deep basin was impoverished and the Lilljeborgidae, earlier represented by three species, had disappeared since the 1930s. The changes are most likely caused by eutrophication of the fjord.