HEMIMYSIS MARGALEFI SP. NOV. (MYSIDACEA) 
FROM A SUBMARINE CAVE OF MALLORCA ISLAND, 
WESTERN MEDITERRANEAN

BY

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INTRODUCTION

A mysid was observed to be the major representative of the crustaceans in a completely dark submarine cave on the NE coast of the island of Mallorca (western Mediterranean). The species, belonging to the genus Hemimysis G. O. Sars, 1869, is related to H. lamornae (Couch, 1856), but differs from this species in some morphological details: small size (4.12-5.20 mm); carpo-propodus of thoracic legs 3-8 with 3 articles; 3 spines on the endopod of the uropod; 8-11 spines on the lateral margins of the telson and 20-30 small teeth in the cleft; distal article of the endopodite of the maxilla oval, armed with a row of setae on the inner (lateral) edge and 8 distal spines alternating with setae. Prof. M. Bacescu kindly examined some specimens, which he considered to belong to a new species. The authors express their sincere gratitude to Prof. M. Bacescu for his encouragement and for careful reading of the manuscript. The specimens are deposited in the Instituto de Investigaciones Pesqueras of Barcelona.

Hemimysis margalefi sp. nov. (figs. 1, 2)

Material. — A great number of males and females collected on 22 May 1982 with plankton net hand-hauled by scuba divers at a depth of 12 m in a dark submarine cave on the NE coast of the island of Mallorca, western Mediterranean, 39°45'N 3°26'E (Bibiloni & Gili, 1982); holotype: ♀ (5.2 mm); paratypes: 10 ♀♀ and 10 ♂♂.

Description. — Size from the anterior margin of the carapace to the distal end of the telson: ♀♀ = 5.00 ± 0.083 mm, N = 10; ♂♂ = 4.83 ± 0.093 mm, N = 10. General form robust (fig. 1A). Carapace short, emarginate posteriorly, thoracic somites 6 and 7 exposed dorsally; anterior margin forming a broad
Fig. 1. *Hemimysis margalefi* sp. nov. A, female in dorsal view; B, scale of 2nd antenna; C, mandible; D, maxilla; E, maxilla, distal article of palp; F, first thoracic limb; G, second thoracic limb. The bar represents for B, C, D, F and G: 200 μm; for E: 440 μm; for A: 960 μm.