



A NEW SPECIES OF *MORARIA* (COPEPODA, HARPACTICOIDA,
CANTHOCAMPTIDAE) FROM GROUNDWATERS OF GERMANY,
INCLUDING A KEY FOR THE IDENTIFICATION OF THE SPECIES OF
THE WESTERN PALAEARCTIC REGION

BY

SANTIAGO GAVIRIA^{1,3}) and DANIELLE DEFAYE²)

¹) Department of Limnology and Bio-Oceanography, University of Vienna & Technisches Büro für Biologie, Fred-Raymondgasse 19/2/4, A-1220 Vienna, Austria

²) Département Milieux et Peuplements aquatiques, Muséum national d'Histoire Naturelle UMR 7208, CP 53, 61 rue de Buffon, F-75005 Paris, France

ABSTRACT

A new species of *Moraria* collected from interstitial waters of southern Germany is described. The new species *Moraria glitzae* n. sp. can be differentiated from other members of the genus by a combination of morphological traits related to the shape of the anal operculum, the armature of leg 4 and the ornamentation of the urosome in both sexes. Males of *M. glitzae* n. sp. have a typical number of armature elements on the endopods of legs 2 to 4, some of which with unique morphology. Females can be distinguished from those of other species of the genus by the number of antennular segments, the number of setae on the exopod of the antenna and the mandibular palp, the armature of legs 1, 3 and 4, and the size and armature of leg 5. The relationship of the new species to closely related species, viz., *M. catalana*, *M. jana*, *M. stankovitchi* and *M. varica* is discussed. The morphological differences to other species inhabiting groundwaters and epigeal habitats of the region, viz., *M. alpina*, *M. brevipes*, *M. fontinalis*, *M. mrazeki mrazeki*, *M. mrazeki macedonica*, *M. pectinata*, *M. poppei* and *M. radovnae* are presented. A distribution map of the *Moraria* species known from Germany and a dichotomous identification key of the 20 species from the Western Palaearctic Region are provided.

Key words. — Taxonomy, morphology, meiofauna, interstitial, zoogeography

ZUSAMMENFASSUNG

Eine neue Art der Gattung *Moraria* aus interstitiellem Grundwasser des südlichen Deutschlands wird beschrieben. Die neue Art *Moraria glitzae* n. sp. wird aufgrund einer Kombination von morphologischen Merkmalen, wie der Form des Analoperkulums, der Bewehrung des vierten Beinpaars und der Ornamentierung des Urosoms in beiden Geschlechtern charakterisiert. Männchen von *M. glitzae* besitzen eine typische Anzahl von Anhängen an den Endopoden des zweiten und

³) Corresponding author; e-mail: santiago.gaviria@gmx.at