

A MORPHOLOGICAL AND SEROLOGICAL STUDY ON THE
POPULATIONS
OF THE SPECIES *BOMBINA BOMBINA* LIVING
IN THRACE AND NORTHWEST ANATOLIA

By N. ÖZETI, I. YILMAZ, H. ARIKAN

Summary

This investigation presents a new distributional map of *B. bombina* collected from Thrace. *B. variegata* was not found in this region in spite of its report in the literature. The former species on the other hand, is found in Northwest Anatolia too. It was thus thought necessary to see whether the *B. bombina* of the latter area differ from those of Thrace taxonomically because of their complete isolation by the strait of Bosphorus. The populations of these two different areas were thus investigated with this aim and it was concluded that they differ both morphologically as well as serologically. In view of this it was thought feasible to consider the Northwest Anatolian *B. bombina* as a separate taxon. The populations from Thrace have been for the time being accepted as nominate race *B.b.b.*, whereas those Northwest Anatolia are thought to be as a subspecies and have been thus named as *B.b. arifiyensis*.

As such, the monotypic status of the species as known up to now, has been changed to polytypic status.

Περίληψη

Άτομα του είδους *Bombina bombina* από την Θράκη διαφέρουν μορφολογικά και όρρολογικά από άτομα της Βορειοδυτικής Ανατολής. Γι' αυτό τον λόγο θεωρήθηκε ότι ανήκουν σε διαφορετικό τάξο. Ο πληθυσμός της Θράκης θεωρείται ότι ανήκει στο τυπικό ύποείδος *B.b.bombina* ενώ ο πληθυσμός της Ανατολής σε νέο ύπόειδος *B.b. arifiyensis*.

Ege University
Faculty of Science
Dept of Biology
Bornova-Izmir, Turkey