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MIENIS, H. K .:

Biomhalaria alexandrina from a Neolithic site in Wadi Gibba, Sinai

A Wadi Gibba (Sinai) meolitikus rétegéből előkerült Biomphalaria alexandrina

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ABSTRACT: A single shell of Biomphalaria alexandrina is reported from the Neolithic site Gibba II, in Wadi Gibba, Sinai. His is the first record of a member of the Planorbidae from the Sinai peninsula. Its presence at the site is discussed.

The excavation of the Neolithic site of Gibba II in Wadi Gibba, Plateau HaQa, Sinai, Egypt, by Prof. O. BAR-YOSEF, yielded among others a number of molluscs. The marine species are currently being studied by Mrs. D. BAR-YOSEF.A single shell of a freshwatter species was submitted for identification to the author. It turned out to belong to Biomphalaria alexandrina (Ehrenberg, 1831) (Fam. Planorbidae).

This intermediate host of Schistosoma mansoni is known from Egypt (DAZO et al., 1966; DAWOOD & CHU, 1973; MALLETT & ABOUL -ELA, 1979; BROWN, 1980; SATTMAN & KINZELBACH, 1988) and Sudan (WILLIAMS & HUNTER, 1968; MANDAHL-BARTH, 1973 BROWN, 1980). Once it was also living in Israel (WITENBERG & SALITERNIK, 1957), but there it is now extinct due to pollution (MIENIS, 1986) Biomphalaria alexandrina nor any other member of the Planorbidae has ever been reported from the Sinai peninsula (PALLARY, 1924; TCHERNOV, 1971; VAN DAMME, 1984).

The question may be asked: What is <u>Biomphalaria</u> alexandrina doing at the Neolithic site in Wadi Gibba? Was the environmental situation during the Neolithic so different from today that <u>Biomphalaria</u> was able to live somewhere in the neighbourhood? This brings to mind the unexpected find of a fossil freshwater faune with <u>Oxyloma, Galba</u> and <u>Pisidium</u> in Wadi Firan, also in western Sinai. That fauna is, however, of much older age.

Is it possible that <u>Biomphalaria</u> reached the site by means of transport of freshwater from the Nile-region to western Sinai?

It is certainly not a species which was collected on purpose or received in exchange by the inhabitants of the site. The shell is unsuitable for making beads or pendants out of it, nor is it edible.

Only more finds of <u>Biomphalaria alexandrina</u> in the Sinai peninsula may shed some more light on this interesting problem.

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