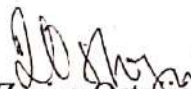



Report

On biostratigraphic analysis of the sample of carbonate sediments for determining the specie and age of the rock from which the stone sculpture was made found on the slopes of Pobrđe (Kolasin, Montenegro).


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Report

On biostratigraphic analysis of the sample of carbonate sediments for determining the specie and age of the rock from which the stone sculpture was made found on the slopes of Pobrđe (Kolasin, Montenegro).

M. R. from Kolasin, Montenegro found on the south slopes of Pobrđe, near Gornje Lipovo (Kolasin) stone sculpture of a very interesting form. Because of the intention to present that stone sculpture to the public he asked us to determine the specie and the age of the stone.

By macroscopic observation and detailed micro paleontological analysis of two translucent specimens (PB-1/09 and PB-2/09) made out of stone I came to a

Conclusion

Natural stone sculpture, sized aporoximately around 120 – 75 – 30 cm, of very interesting form, found in the quaternary glacial – moraine material built of bioclastic sediment stone – Limestone breccia.

By detailed micropaleontological analisis it was proven that the specimen originates from the rock of mid Triassic age (cc 230 – 240 million of years) that are building more higher northern parts of the terrain.

This shaped sculptural form the rock gained by very long effort of exogenous forces (wind, mechnical and chemical influence of the water and especially of glacier erosion).

In addition to that a detailed macroscopic and microscopic description of the rock follows.

Annex:

Description of the rock

Macroscopic description:

Compact grey to mid grey rock with network of calcite wires of brown pink colour. Made of angular and sub angular limestone pieces, sized up to 5 cm drowned in calcarenite basis with carbonated binder.

Microscopic description:


By detailed microscopic analysis of translucent concoction the type of the rock has been determined (classification done accordint to Folk 1962 and Dunham 1962), micro fossil content and stratigraphic affiliation.

PB-1/09 Biooncopelsparite (packstone-rudstone).
Fossils: Acicularia sp., Tubiphytes obscurus **Maslov**, Glomospira sp.
Agathammina sp.,

Middle triassic – ladinian.

PB-2/09 Biocalcrudite (rudstone)
Fossils: Diplopora annulata (**Schaf.**) Teutloporella nodosa (**Schaf.**)
Tubiphytes obscurus **Maslov**, Baccanella floriformis **S. Pantić**,
Meandrospira pusilla (**Ho**) Agathammina sp., Glomospira sp.,
Aeolisaccus gracilis **S. Pantić**.

Middle triassic – ladinian.


Zorica Ostojić, paleontologist