

ANCIENT-TYPE AMMONOIDS (FLICKIIDAE) FROM THE MIDDLE
CRETACEOUS OF THE BAKONY MTS.

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Abstract

The author's faunistic data on this family from the Bakony Mts. have been published previously (NAGY I.Z. 1971; 1973). The present paper is a detailed account on the taxonomy and phylogeny of this group.

Reviewing the characteristic ancient features appeared in this family, biologic causes are suggested. As "internal" causes, arise the disturbances or weakening in the effectiveness of the genetic control. These could have been influenced by "external" causes, as the special chemism of the environment (i.e. sea water). The pyritic and glauconitic sediments, as examples, suggest the presence of ionised arsene, and vanadium and lithium, respectively.

It is possible, that the loosely linked genome may have been influenced by chemical and physiological effects. These effects could only be regarded as responsible for "taking advantages" from the weakened stability. It is possible to take into consideration only the role of catalysts. The author regards as very advantageous the mutually closer cooperation of paleo- and neobiology.