ACTA PALAEONTOLOGICA POLONICA

Cenomanian cephalopods from the Glauconitic Limestone southeast of Esfahan, Iran

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Acta Palaeontologica Polonica 24 (1), 1979: 3-50

The Glauconitic Limestone of the area southeast of Esfahan yields a rich Cenomanian cephalopod fauna of Boreal aspect, including species of *Anglonautllus, Stomohamites, Sciponoceras, Idiohamites, Ostllngoceras, Mariella, Hypoturrllites, Turrllites, Scaphites, Puzosia, Austiniceras, Hyphoplltes, Schloenbachia, Mantelllceras, Sharpeiceras* and *Acompsoceras*, most of which represent new records for the area. The age of this fauna is unequivocally Lower Cenomanian, and can be correlated in detail at a distance of 5000 km with parts of the northwest European *Hypoturrilites carcitanensis* and *Mantelliceras saxbit* Zones. The material studied includes none of the Upper Albian, Middle and Upper Cenomanian elements recorded from the unit by previous workers. The fauna is numerically dominated by acanthoceratids, in marked contrast to the *Schloenbachia* -dominated faunas of northwestern Europe. This suggests the area lay In the southern parts of the Boreal Realm, where *Schloenbachia* is known to become progressively scarcer, as Is supported by proximity to the Zagros line marking the juncture of Asian and Arabian plates.

Key words: Boreal Ammonites, Esfahan, Lower Cenomanian, Glauconitic Limestone.