

ERVÍN SCHEIBNER*

SOME NEW OCCURRENCES OF CORALS
IN THE KLIPPEN BELT IN SLOVAKIAНОВЫЕ МЕСТОНАХОЖДЕНИЯ КОРАЛЛОВ В МЕЛУ
ЗОНЫ УТЕСОВ В СЛОВАКИИ

(Slovak summary)

During the geological mapping and revisional study in the klippen belt, which was made in connection with general geological map in scale 1 : 200 000 new occurrences of coral fauna were found in cretaceous deposits of the klippen belt.

First notes about corals in cretaceous of the klippen belt are from D. Stur (1860). Facies of organogeneous limestones of senonian of the klippen belt in West Slovakia are described by L. Loczy jun. (1915). Systematically the coral fauna was described by D. Andrusov and O. Kühn (1930, 1937, 1942).

The new localities are in cenomanian of manin serie (Praznov, Horný Moštenec, the vicinity of Považská Bystrica and Hrabové near Žilina) and in senonian (north-western from Vrzavka, southeastern Starý Háj and elevation point 294,5, north — eastern from Lubina — all these western from Moravské Lieskové and Hrabové near Žilina).

The coral fauna from these localities is an object of the autor's further study and this paper is of informative character. Except of it, the autor found a rich material in paleogenous reefs in the klippen belt, which will he described independently.

The coral fauna in Praznov, Horný Moštenec and Hrabové was found in the so-called praznov beds (D. Stur 1860, E. and V. Scheibner 1958) of cenomanian age. The Praznov beds represent a deeper facies of cenomanian of manin serie. Corals near Horný Moštenec and Hrabové occur immediately in marls with typical association of upper cenomanian foraminifera. Near Praznov the corals occur in conglomerat horizon in upper part of the Praznov beds, which are of upper cenomanian age and content the following fauna: *Exogyra columba silicea* Lam., *E. columba minor* Jourdy, *Orbitolina concava* Lam., *O. plana* Lam., *Rotalipora appenninica* (Renz), *R. deecke* (Frank), *Praeglobotruncana delrioensis* (Plummer). Preliminarily the next corals were determined: *Octocorallia*: *Polytremacis* cf. *partschi* (Rss.) *Polytremacis* sp.; *Scleractinia*:

* Prom. geol. E. Scheibner, Chair of Geology and Paleontology of Faculty of Natural Sciences of J. A. Comenius Univerzity, Bratislava, Gottwald Pl. 2.

the representatives of the genus *Actinastrea*, *Synastrea carinata* (Felix), *Synastrea* sp., *Elephantaria lindstroemi* Opp., *Montlivaltia* sp., *Hydnophora parvicornus* (Opp.). This fauna shows certain affinity with younger gosau fauna.

From the occurrences in senonian north-western from Vrzavka, south-eastern from Starý Háj and elevation point 294,5 north-eastern from Lubina all western from Moravské Lieskové preliminarily were determined: *Octocorallia*: *Polytremacis partschi* (R s s.), *Scleractinia*: *Synastrea exigua* (R s s.), *Cyclolites* sp., *Monastrea corollaris* (R s s.), *Placosmilia* sp., *Agathelia asperella* R s s.

Very interesting is a locality near Hrabové in the beds with orbitoids of campanian—maastrichtian age. Here were found forms up to the present time unknown in Slovakia: *Cyclolites mitissimus* Opp., *Flabellismilia subcarinata* (R s s.).

The above mentioned fauna of corals from senonian nearly identic with that from gosau of East Alps makes correct the opinion of D. Andrusov (1945) who supposed the essentiality of warm current in the klippen belt which run from the gosau see of East Alps to east in the district of sedimentation of upper cretaceous in the klippen belt.

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Review by D. Andrusov

Translated by V. Scheibnerová

ERVÍN SCHEIBNER*

NOVÉ VÝSKYTY KORALOV V KRIEDE BRADLOVÉHO PÁSMA NA SLOVENSKU

Autor vo forme informatívneho článku predkladá predbežné určenia korálovej fauny z nových lokalít v kriede bradlového pásma na Slovensku. Novšie nájdené lokality sú v cenomane manínskej série (Praznov, Horný Moštenec pri Pov. Bystrici a Hrabové pri Žiline) a v senóne (severozápadne od Vrzavky, juhovýchodne od Starého Hája, kóta 294, 5, severovýchodne od Lubiny — všetko západne od Moravského Lieskového; ďalej Hrabové pri Žiline). Okrem toho sa vyzbieral bohatý materiál z paleogénnych rífov v oblasti bradlového pásma, ktorý je tiež predmetom ďalšieho štúdia.

* Prom. geol. E. Scheibner, Katedra geológie a paleontológie Prírodovedeckej fakulty UK, Bratislava, Gottwaldovo nám. 2.