

VIERA SCHEIBNEROVÁ*

THE STRATIGRAPHICAL VALUE
OF *NEOFLABELLINA RUGOSA* (D'ORB.)
IN THE KLIPPEN BELT
OF WEST CARPATHIANS IN SLOVAKIA

СТРАТИГРАФИЧЕСКОЕ ЗНАЧЕНИЕ *NEOFLABELLINA RUGOSA*
(D'ORB.) В ЗОНЕ УТЕСОВ ЗАПАДНЫХ КАРПАТ
В СЛОВАКИИ

(Fig. 2–4, slovak summary)

During four last years the author has studied among others the microbiostратigraphy of Cretaceous of the klippen belt of West Carpathians in Slovakia. The microbiostratigraphy of Cretaceous of the above-mentioned region was established mainly on the basis of the representatives of genera *Globotruncana*, *Praeglobotruncana* and *Rotalipora*. Little attention was paid to representatives of other genera such as of *Stensiöina* and especially of *Neoflabellina*. The last ones up to the present time were not found in the klippen belt in Slovakia. The study carried out by the author showed that they are frequent in Cretaceous deposits and valuable for the stratigraphic works. However, their stratigraphic value is not identical with that in Northern and Westnorthern Europe.

From the representatives of genus *Neoflabellina* the most important is *Neoflabellina rugosa* (d'Orb.) which represents the most frequent and distributed form. Hiltermann, Koch (1957) have investigated this species on the basis of topotypes from d'Orbigny's type locality and stated that the species represented Campanian index fossil. Some other authors found this species in Cretaceous deposits of other countries and regarded it as upper Cretaceous i. e. Campanian—Maestrichtian or, extremely (Požarska 1954) as Emsherian—Maestrichtian form.

In Cretaceous of the klippen belt the present author has found *Neoflabellina rugosa* (d'Orb.) in variegated marls and marly slates which contained among others next forms of smaller Foraminifera:

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Fig. 2 a, b. *Neoflabellina rugosa leptodisca* (Wedekind). KPUK 0540. Southern from vill. Lubina. $\times 60$. Mikrofoto Oswald.

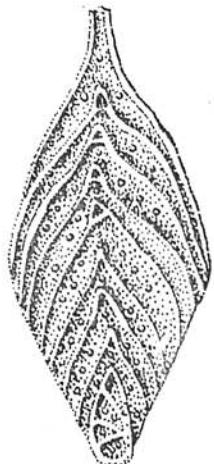
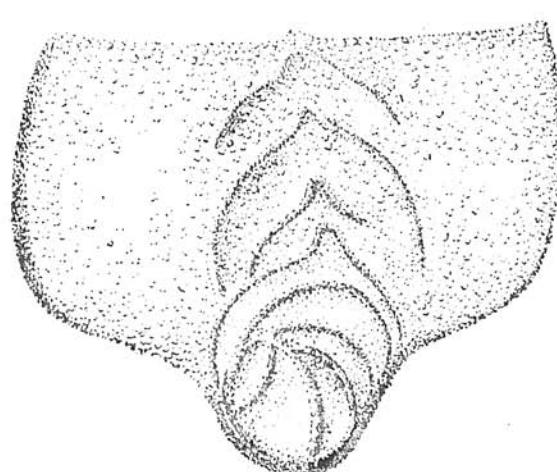


Fig. 3. *Neoflabellina rugosa leptodisca* (Wedekind). KPUK 0538. Stará Turá. $\times 80$.
Fig. 4. *Neoflabellina rugosa caesata* (Wedekind). KPUK 0541. Stará Turá. $\times 80$.

Globotruncana linneiana linneiana (d'Orb.)

Globotruncana stuarti (Lapparent),

Bolivinoides draco draco (Mars.),

Pseudotextularia elegans Rzehák.

This microfauna is characteristic for upper part of Maestrichtian. In all cases *Neoflabellina rugosa* (d'Orb.) occurred in the above-mentioned association. There is no evidence that the specimens of *Neoflabellina rugosa* (d'Orb.) were redeposited. Hiltermann, Koch (1957) established these subspecies of *Neoflabellina rugosa* (d'Orb.): *Neoflabellina rugosa leptodisca* (Wedekind), *Neoflabellina rugosa caesata* (Wedekind) and *Neoflabellina rugosa sphacnoidalalis* (Wedekind). In the klippen belt of West Carpathians in Slovakia were found: *Neoflabellina rugosa caesata* (Wedekind) and *Neoflabellina rugosa leptodisca* (Wedekind). Especially the last one is most frequent and characteristic.

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Review by D. Andrusov.

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STRATIGRAFICKÉ VÝSTUPOVANIE NEOFLABELLINA RUGOSA (D'ORB.) V BRADLOVOM PÁSME ZÁPADNÝCH KARPÁT NA SLOVENSKU

(Obr. 2—4 v teste)

Autorka v článku diskutuje o stratigrafickom vystupovaní druhu *Neoflabellina rugosa* (d'Orb.). Podľa Hiltermannovej a Kochovej (1957) revízie jeví sa uvedený druh ako kampánsky. V bradlovom pásmi Západných Karpát na Slovensku vystupuje *Neoflabellina rugosa* (d'Orb.) v tejto asociácii:

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Globotruncana linneiana linneiana (d'Orb.).

Globotruncana stuarti (Laparent),

Bolivinoides draco draco (Mars.),

Pseudotextularia elegans Rehak.

Táto asociácia je výrazne maastrichtského charakteru, a pretože *Neoflabellina rugosa* (d'Orbigny) vystupuje spolu s uvedenými formami v študovanej oblasti a nict dôkazov o tom, že by nájdené exempláre boli preplavené, treba ju považovať za formu maastrichtskú, čo však nevylučuje jej prítomnosť v kampáne, aj keď sa dosial v kampánskych sedimentoch v študovanej oblasti nenašla.

Vysvetlivky k obr. 2-4 v texte

Obr. 2 a, b. *Neoflabellina rugosa leptodisca* (Wedekind). KPUK 0540. Južne od obce Lubina. Zv. 60X. Mikrofoto Oswald.

Obr. 3. *Neoflabellina rugosa leptodisca* (Wedekind). KPUK 0538. Stará Turá. Zv. 80X.

Obr. 4. *Neoflabellina rugosa caesata* (Wedekind). KPUK 0541. Stará Turá. Zv. 80X.