

A szécsényi I. számú fúrásban a katti-rupéli határa 218.50 m, míg a II. számúban 270.00 m. Ettől a határtól felfelé az I. sz.-ban 54.50 s a II.-ban 72.00 m-re fordulnak elő gyakrabban a nagyobb *Ostreák*. Viszont, ugyancsak ettől a határtól lefelé az I. sz.-ban 56.50 m-re s a II.-ban 55.00 m-re találhatók a *Clavulinoides szabói* (Hantk.) utolsó példányai. Tehát Szécsény környékén is előfordul egy fiatalabb rupeli szint, ahol már nem található a *C. szabói* (Hantk.) faj, mint ezt más területek fúrásmintáinak vizsgálata alapján már kimutattam.

Egyébként e fúrásokból előkerült s itt nem említett rupeli foraminiferák ismertetésére még visszatérek. Ugyanis ez nem képezheti tárgyát e jelentésnek.

## ИССЛЕДОВАНИЯ ФОРАМИНИФЕР В ЛАБОРАТОРИИ ГЛУБОКИХ БУРЕНИЙ

Л. М а й з о н

В 1947 году, геологическая лаборатория, кроме анализа образцов пород, выступивших на земную поверхность, произвела анализ пластов бурения Сечень № 1. и № 2.

Стратиграфическое распределение скважины № 1. следующее :

0.00—	3.00	м.	голоцен
3.00—	17.40	м.	плейстоцен
17.40—	218.50	м.	кат
218.50—	(292.00)	м.	рупель

В бурении Сечень № 2. граница катских и рупельских пластов находится на глубине 270.00 м.

## FORAMINIFERA INVESTIGATIONS IN THE DEEP-BORING LABORATORY

By L. M a j z o n

The deep boring laboratory of the Institute carried out the same works as in the previous years. The stratigraphical estimations of the foraminifera fauna coming to light from the boring-samples were made by myself with the help of my geologist-colleague Gy. Hegedüs who for the rest made the macroscopic determinations of samples, as well as prepared boring-sections taking into consideration all data on hand. In the course of this year L. Szébényi left the work of the laboratory.

The sample material — collected by the surveying geologists from several parts of the country — has been examined by me with regard to the microfauna too, and with the help of same I tried to fix their

stratigraphical situation. The results of the examinations will be published elsewhere.

During the year 1947 we examined samples originating from the following deep-borings and outcrops :

Boring or place of discovery	Depth	Number of pieces
I. Deep-borings :		
Szécsény I. ....	292.00 metres	48
Szécsény II. ....	346.40 »	63
II. Surveying material :		
Subcarpathia (Szalai 1943.) .....		36
The tunell of the electric works (Noszky jr) .....		9
Buda, the cellar of palace Karácsonyi .....		14
Iszkaszentgyörgy and Mountains Bükk (Reich, 1944.) .....		11
The valley of river Ipoly (Bartkó, 1947.) .....		12
Herend (Majzon, 1947.).....		51
Martonyi (Pantó, 1947.) .....		5
Romhány (Bartkó, 1947.).....		6
The churchyard at Pasarét (Majzon, 1947.) .....		6

I expose the stratigraphy of the deep-borings as follows :

### Szécsény I.

The deep-boring of Szécsény I. started on 24th March 1947 and it reached its bottom depth at 292,00 metres on 24th June. The place of the boring lies to the North from churchyard of Szécsény (see the point on the sketch, marked with number I). The 1st and 2nd borings have been already exposed.\*) Its height over sea-level is 179,4 metres.

The section is the following :

0,00— 3,00 metres	yellowish and chocolatebrown, sandy humic clay. <i>Holocene</i> .
3,00— 14,20 »	yellow and yellowish-grey dense sand.
14,20— 15,30 »	bluish-grey, a little sandy and limy clay. <i>Planorbis</i> and <i>Clausilia</i> sp.
15,30— 17,40 »	greyish-green, micaceous dense sand, with gravel of nut size. <i>Pleistocene</i> .
17,40— 42,00 »	grey, micaceous, sandy clay-marl.
42,00— 76,80 »	grey, micaceous, finegrained, limy sandstone.
76,80— 104,00 »	grey, micaceous, sandy clay-marl with plant impressions.

\* Geological Institute : Annual Reports from the years 1936—1938. Vol. II. page 997.

- 104,00—170,25 metres grey, micaceous, finegrained limy sandstone, with plant impressions, and between 164,70—170,25 metres with *Ostrea* sp. fragments.
- 170,25—218,50 » grey, micaceous, sandy clay-marl with mollusca relics. *Chattian* stage.
- 218,50—292,00 » grey, micaceous, a little sandy clay-marl with mollusca relics. *Rupelian* stage.

The foraminifera-fauna of the Chattian and Rupelian stages is referred in the Hungarian text.

## S z é c s é n y II.

The II<sup>nd</sup> boring at Szécsény was settled to the South from Havaspusztá. The boring was started on 10th of July 1947 and on the 22<sup>nd</sup> January 1948 it reached its bottom depth. Its altitude is 173 metres above sea-level. The profile of the boring is the following :

- 0,00— 11,00 metres on this section the boring was executed by hand and so we have received no samples.
- 11,00—111,50 » bluish-grey micaceous more or less sandy clay-marls, at 19,60 metres especially rich in glauconite. Mollusca, scaphopoda and corall relics.
- 111,50—149,70 » grey, micaceous, finegrained, marly sandstone, with Lamellibranchiata but chiefly plant relics.
- 149,70—154,00 » We have received no samples.
- 154,00—186,00 » Grey, micaceous, finegrained sandstone, with Lamellibranchiata and plant relics. At 156,00 metres rougher sandstone containing *Ostrea* sp.
- 186,00—191,00 » Grey, sandy clay-marl. Lamellibranchiata.
- 191,00—199,00 » Grey, marly sandstone. Mollusca and plant relics, at 198,00 metres with many *Ostrea* fragments.
- 199,00—206,00 » Bluish-grey, sandy clay-marl.
- 206,00—210,00 » Grey, micaceous loose rough sandstone.
- 210,00—215,00 » Grey, marly sandstone, with plant relics.
- 215,00—222,00 » Grey, sandy clay-marl, with Lamellibranchiata and plant relics.
- 222,00—270,00 » Grey, limy sand. *Chattian* stage.
- 270,00—339,00 » Grey clay-marl, with Mollusca, scaphopoda and corall relics.
- 339,00—346,00 » Light-grey, gravelly, marly sandstone. *Rupelian* stage.

I summarise the foraminifera fauna of the borings in the schedule to be seen in the Hungarian text, pointing out that on the section between 111,50—215,00 metres the foraminifera are represented only by the occurring of some specimens of *Textularia oarinata* D'Orb. between 187,00—191,00 metres. This is clear in the part consisting chiefly of sandstone, where the *Spatangida-thorns* and *ostracoda* occur rarely.

As for the rest the macrofauna of the Ist and IInd borings at Szécsény is treated by L. Bartkó.

In the Ist boring at Szécsény the border of the Chattian and Rupelian stages is at 218,50 metres while in the IInd one at 270,00 metres. In the Ist boring upward from this border the greater *Ostrea* are occurring more frequently at 54,50 metres and in the IInd one at 72,00 metres. And also downward from this border in the Ist boring at 56,50 metres and in the IInd one at 55,00 metres we may find the last individua of the *Clavulinoides szabói* (Hantk.). So in the environs of Szécsény there appears a younger Rupelian level too, where individua of *Clavulinoides szabói* (Hantk.) may not be found, as I have demonstrated it on basis of the examination of boring-samples received from other territories.

As for the rest, I shall revert to the discussion of the Rupelian foraminifera occurring in these borings later on, because this cannot be the subject of this report.

