

Анализы представляли собой стратиграфические оценки, основанные преимущественно на определении фораминифер. Результаты анализов были в свое время сообщены нашими сотрудниками в предыдущих докладах.

## INVESTIGATIONS OF BORING-SAMPLES IN OUR LABORATORY.

By L. M a j z o n

The investigations of the boring-laboratory made in 1945 cannot be compared with those of the previous years. Only one boring could be executed at Bükkszék (55.), which was started on the 6<sup>th</sup> of August 1945 and as the boring-equipments were not complete, only 138.10 m depth could be reached up to the 31<sup>th</sup> of December. My collaborators also began their researches in the second half of September chiefly for bauxite-estimations in various areas, and these researches did not require foraminifera investigations based on the collection of strata samples. The samples of the borings of Bodonósz were sent to Balatonarács during the year 1944, where an evacuated group of our Institute worked, but it was sent yet untouched to our boring-laboratory of Budapest the next summer. We did our best to make the necessary investigations, but as at this period the gas service was deficient, we had to restrict our researches to the most important and urgent samples.

Geologist K. K u l c s á r, who made the petrographical researches of the samples and determined their sand- and carbonate contents and who prepared the boring-profiles, died on the 4<sup>th</sup> of March at Balatonarács. The Mining Department of the Ministry of Industry appointed L. S z e b é n y i on the 6<sup>th</sup> August at his place. So the staff of the boring-laboratory — with L. R e i c h geologist — was again complete.

During the year 1945 we made the following investigations :

Number	Boring or locality	Depth	Number of the samples	Dates of the boring
I. Borings				
1.	Bodonos 406.	141,40 m	51	1944. X. 25—VI. 12.
2.	„ 407.	128,40 m	62	1944. V. 25—VI. 8.
3.	„ 408.	168,90 m	77	1944. VI. 14—VII. 4.
4.	„ 409.	135,50 m	75	1944. VI. 21—VI. 30.
5.	„ 410.	184,30 m	70	1944. VII. 31—VIII. 23
6.	„ 411.	184,40 m	92	1944. IX. 4—IX. 15.
7.	„ 412.	This boring was only prepared, but not executed.		

Number	Boring or locality	Depth	Number of the samples	Dates of the boring
<i>II. Collected samples :</i>				
8.	Szentendre—Visegrád (Majzon, 1944.)		142	
9.	Erdély (Bartkó, 1943.)		41	
10.	Erdély (Reich, 1943.)		13	
11.	Bükkszék (Majzon, 1945.)		28	

These data show, that our boring-laboratory investigated only 651 samples, i. e. much less, than in the previous years. The results of the investigations of the microfauna, found in the different strata, are mentioned in the various reports of my collaborators.

#### *Borings of Bodonos*

From the borings made in the asphalt-territory of Felsőderna—Bodonos in 1944, result the following stratigraphical data :

Borings	Holocene	Pannonien	Micaceous
Bodonos 406.	0,00—0,30 m	0,30—(144,40) m	
„ 407.	0,00—0,50 m	0,50—(118,00) m	118,00—(128,40) m
„ 408.	0,00—0,50 m	0,50—(168,90) m	
„ 409.	0,00—0,50 m	0,50—(135,50) m	
„ 410.	0,00—0,50 m	0,50—(184,30) m	
„ 411.	0,00—0,50 m	0,50—(184,40) m	
„ 412.	It has not been deepened		

The *Holocene* of the borings of Bodonos consists of brown, brownish-gray, mouldy, sandy clay. The layers of the *Pannonian* are yellowish, brownish, greenish — or bluish-gray clays, clayey sands, or sands. These layers are always intercalated by lignite. In the boring 407. we also find bitumenous sand, but no similar strata occur in the borings of Bodonos above mentioned. Fauna-fossils occur (shell-fragments) only in the boring 407. in a depth of 78.30 m. The micaceous shale groundmass laying under the Pannonian was reached in the boring 407. at a depth of 118.00 m.