

дацитовых туфов, возраст которых, на основании наблюдений автора (10) соответствует среднему миоцену. Над пластами с фораминиферами местами спорадично встречаются небольшие пятна породы, подходящей »Лейтовскому известняку«.

Наряду с пластами песка и щебня, относящихся к сармату, можем добавить один пласт глины, а дальше два пласта (СЮ-го направления) андезитового туфа-конгломерата, который находится к В-у от Бюккмодьорош-а.

В направлении ССВ—ЮЮЗ территория густо пересекается сбросами и образованный таким образом наклон расшатанных плит к В-ЮВ направлению — выражается в среднем 5° — 14° . В направлении с З-а к В-у на поверхности мы находим пласты все младшего возраста.

RECENT DATA TO THE GEOLOGY OF THE TERRITORY BETWEEN SZILVÁSVÁRAD AND CSERNELY

By L. M a j z o n

On the territory between the villages Szilvászvárad and Csernely (County Borsod) the following sediments appear on the surface.

I have classed the grey and yellowish-grey clay and marly clay bed, which had been put by Z. S c h r é t e r (4.) into the upper part of the Rupelian stage to the Chattian. This is in agreement with the foraminifera-fauna of these strata, the *Nonion*, *Elphidium* species (see the schedule in the Hungarian text) and *Rotalia beccarii* (L.)

To the Burdigalian stage belong many kinds of strata. In progressive order from below upwards there are terrestrial red clay and gravel, the lower rhyolite tuff, the group of coal seams and the corbula-cardium beds. In my opinion the *Pecten* (Chlamys) beds on my territory — described on the map of Z. S c h r é t e r (2.) — between Szilvászvárad and Bükkmogyorósd belong mostly to the former *Cardium* beds. Namely in the *Pecten* beds of chiefly marine origin, the *Rotalia beccarii* (L.) which is characteristic to the semi-salt waters, cannot preponderate in frequent occurrences.

I was not able to observe definite Schlier formations.

The middle rhyolite tuff belongs to the Tortonian stage which is in close connection with a whitish-grey clay-marl. In the latter we may find a rich Foraminifera-fauna. It is very interesting that in these strata — in some parts — the *Candorbulinas* are found in frequent occurrences. In Northern Transylvania beds of *Candorbulinas* appear among the benches of dacite tuff at Dés. The age of these is by the examinations of

L. M a j z o n Middle-Miocene. Over the foraminifera strata sporadically we can find "Leitha-limestone" in little benches.

We class to the Sarmatian — beside the current bedded sand and gravel — also a clay group. Two little andesite-agglomerate ranges with the direction of N—S extending East of Bükkmogyorósd belong to it too.

The territory was cut by faults with the direction of NNE-SSW, and the average dip of the so formed tilted blocks is ESE 5—14 degrees. Proceeding from W to E on the surface we find younger strata.

