should be continued into the oolitic beds in order to secure a full supply of good water rising to or very near the surface of the ground.

Mr. Ruppert, of Baltimore, is sinking an Artesian well at Fortress Monroe, which, although not in Maryland, yet gives an opportunity to learn the rate of dip of the tertiary strata containing the shell marls, which were noticed in both reports. The boring passed through sand, with some gravel, about . 100 feet

(At 50 feet there is a stratum of small boulders.)

Thence shells in sand and sandy clay to . . . 304 "

Stiff clay to . . . . . 374 "

And the work still in progress.

It is more than likely that a full supply of water will be found in the first bed of sand or clay beneath the stiff clay which holds it down.

The shells of which Mr. Ruppert exhibited a number of species, are *identical* with those of the important marl bed formerly described, proving that the Miocene beds are about one hundred feet lower than at Cambridge, in Dorchester county, and at the head of Saint Mary's river, in the county of that name. The direction of the dip being about south-east, and the north-western edge of this formation being about fifty miles from the Fortress, indicates the dip to be about two feet per mile.