

that it seemed probable that this gradual deposition of a fine uniform organic sediment was almost universal.

Then the question arose whether the animals which secreted these shells lived at the bottom, or whether they floated in myriads on the surface and in the upper zones of the sea, their empty shells falling after death through the water in an incessant shower. Specimens of the soundings were sent to the eminent

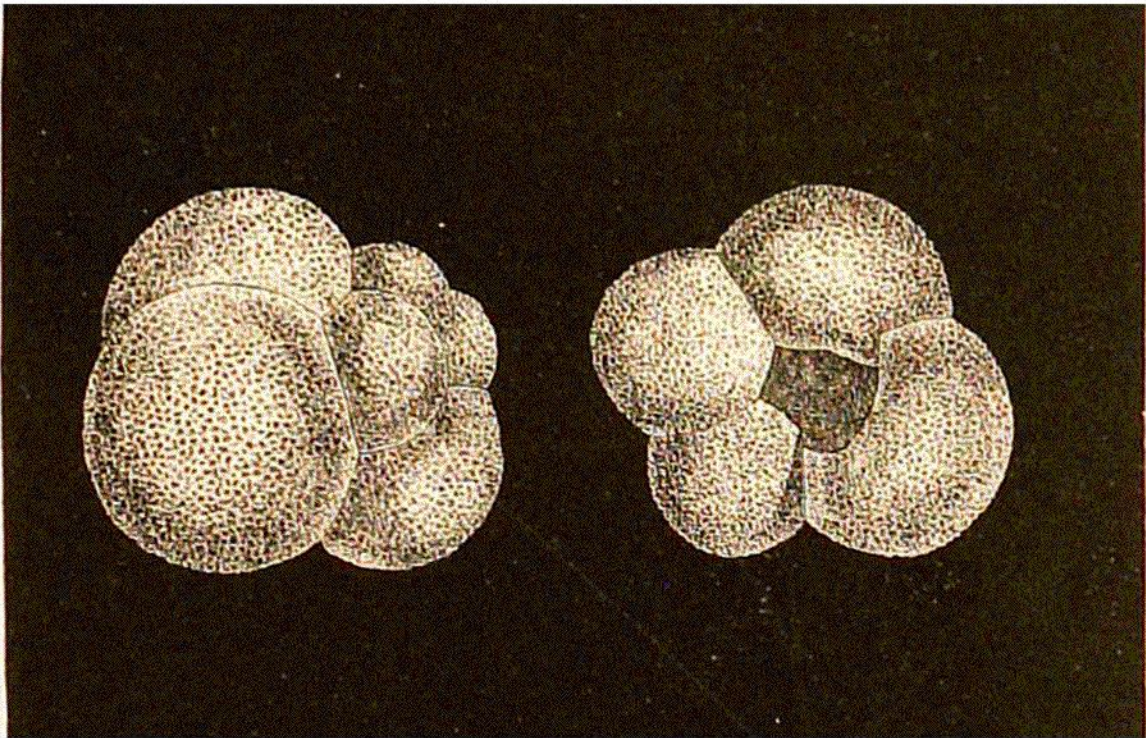


FIG. 2.—*Globigerina bulloides*, D'ORBIGNY. Highly magnified.

microscopists Professor Ehrenberg of Berlin and the late Professor Baily of West Point. On the moot question these two naturalists gave opposite opinions. Ehrenberg contended that the weight of evidence was in favour of their having lived at the bottom, while Baily thought it was not probable that the animals live at the depths where the shells are found, but that they inhabit the water near the