

contents yellowish, and the exterior investment colorless, just as our large common *Amœba* appears under partially reflected and transmitted light.

Most of Rösel's figures exhibit the characteristic changes of form of the *Proteus*, and these certainly agree with those of our common large *Amœba*, and better with those of Ehrenberg's figures of *Amœba princeps* than with those of the same author's figures of *Amœba diffluens*. Of the figures of Rösel, one he likens in its branching to the antler of a deer, a resemblance which all must have seen who are familiar with the large *Amœba* commonly regarded as the *Amœba princeps*.

As regards both size and color of the *Proteus* of Rösel, it might refer to other large *Amœbæ* than *A. princeps*, as for instance the *A. villosa* of Wallich, or the *Pelomyxa palustris* of Greeff; but the changes of form and the extension and shape of the pseudopods rather approximate it to the former.

Müller's description and figures of *Proteus diffluens*, which that author regarded to be the same as Rösel's *Proteus*, appear to apply to the same animal as Ehrenberg's *Amœba princeps*, rather than to the *Amœba diffluens* of the latter.

From the review thus presented, I think it will be admitted that the little *Proteus* of Rösel, the *Proteus diffluens* of Müller, the *Amœba princeps* of Ehrenberg, and our large familiar *Amœba*, are to be regarded as one and the same animal.

It has been suggested that all forms of *Amœba* may eventually be found to be transitory phases of the same species; but even this view does not render the determinations of Ehrenberg and those who follow him in relation to *Amœba princeps* and *Amœba diffluens* any the less incorrect.

Having arrived at the conclusion that our common large *Amœba*, usually called *Amœba princeps*, is the same as Rösel's *Proteus*, the question arises as to its appropriate name.

Ehrenberg changed the name of *Amiba* of Bory into *Amœba*; and had it not been that the latter mode of spelling the word had come into such common use, I would have dropped the ugly diphthong, and resumed the word *Amiba*, as employed by Bory and Dujardin.

Of the specific names employed for the little *Proteus*, that of *chaos* in *Volvox Chaos* of Linnæus is oldest; but that of *proteus* in *Volvox Proteus* of Pallas appears more appropriate, and would at the same time serve to