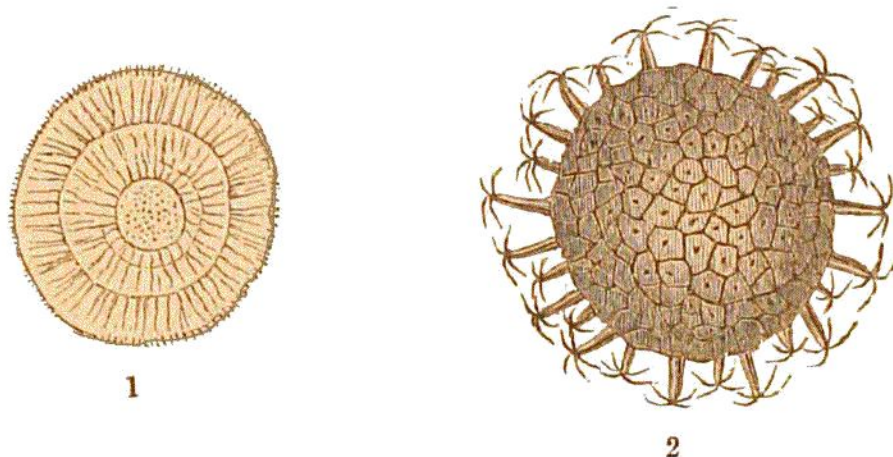


Professor Ehrenberg observes, that "mica and quartz present a *granulated appearance of great regularity*, either without their outer surface of fracture undergoing any previous preparation, or after having been warmed or heated to redness."



Tab. 155.—INFUSORIA IN FLINT (*highly magnified*).

Fig. 1. Body unknown—formed of three distinct circles: the intervening spaces are filled with numerous delicate rays, and the exterior circle is sinuous and fringed. From the flint of Sydenham in Kent.

2. *Xanthidium furcatum* of Ehrenberg; in a flint, from Sydenham.

From the researches of Professor Ehrenberg, we may regard as ascertained facts, that the following rocks and mineral substances consist entirely, or partly, of the shields or cases of infusoria: viz.

1. Bergmehl.....	} Newest formations.
2. Kieselguhr	
3. Poleirschiefer	
4. Saugschiefer	} Tertiary formations.
5. The semi-opal of the Poleirschiefer ...	

The following species of stone are *very probably* of the same nature:

6. The semi-opal of the Dolerite.....	} Secondary and primary formations.
7. The (precious) opal of the Porphyry...	
8. The flint of the Chalk	

It is gratifying to know that Professor Ehrenberg is still engaged in a close examination of the remarkable characters of the primary formations, and that he has announced