

of the planets, in the solar system, all of which possess a sufficiency of heat for their respective purposes.

11th. That the retina of the eye does not receive images or impressions of objects, but that the cornea is wisely contrived by nature, for the express purpose of a seat of vision, and for taking perception of objects.

12th. That perceptions of distant objects are obtained by a union of vision, which I term universal eye-sight.

13th. That if genuine light is capable of passing through the different lenses of a telescope, it is not capable of taking an image with it through them, and that if an image could be taken through them, it would be so mutilated by the process, that it would not be known or identified.

14th. That Roemer, the Danish astronomer, failed to discover the true cause of the lateness of the appearance of Jupiter's satellite, after it emerged from behind the planet.

15th. That Dr. Bradley failed to discover the true cause of the aberration of the stars.

16th. That he gave a correct explanation of what has been called the phenomena or illusion of the lenticular stereoscope, lately brought to a high state of perfection by Sir David Brewster.

17th. That he explained the true cause why we can see a coin lying at the bottom of a bowl, by means of pouring water into the bowl, although we could not see that same coin without the use of the said water.