

he found this velocity to be 36,707 feet per second, or 253 feet less than seven miles. He then showed the effect upon a body so projected of the rotary motion of the earth, and of the perturbation caused by the sun's attraction, and how these forces combined would give such a body exactly the orbit in which the moon actually moves. Having also indicated how the permanency of the system is ensured, he deduced the conclusion as irresistible that this is how the moon was projected into her present orbit.

Mr. Livingstone took exception to some of the positions of the paper, and drew special attention to his doctrine that there is no such thing as centrifugal force at all, but that orbital motion is only vibration.

