

This paragraph is written to amplify my pioneer equipment. It is proper to challenge any part of my equipment that I make use of, but it would, I submit, be irrelevant to challenge any part of my equipment that I do not make use of.

Motion used to be regarded as a property of a thing. This is one of many ideas that need to be revised. To convey his ideas, the pioneer is obliged to use terms whose ancient meanings are in a state of transition. Motion is now regarded as the metaphysical entity of which all physical things are created. From this it follows that the idea of "rest" has ~~no~~ scientific status. All combinations of motion with itself exist in numerical sequences, indicating that the fundamental entity has structure. The numerical sequences are the factors that determine ratios and ratios <sup>in</sup> turn provide the mathematical bases. Uncombined motion may have a velocity approaching infinity, this however is conjecture since it gives no reactions. When motion combines with itself to create radiant motion, its velocity is of the order of 186,000 miles per second. When motion combines with itself to create matter it provides itself with a local habitation. The structure of matter is remarkable for it is the parade ground of forces aggregating some 263 thousand million horse-power per gram. When matter absorbs energy its mass becomes increased in a definite ratio. When matter expels energy its mass becomes diminished in the same definite ratio. Work and energy are not physical things, they are symbols used to express transitions of motion from one state to another. These transitions are expressed by means of equations, but in order that equations may be intelligible, the physical counterparts engaged in these transitions