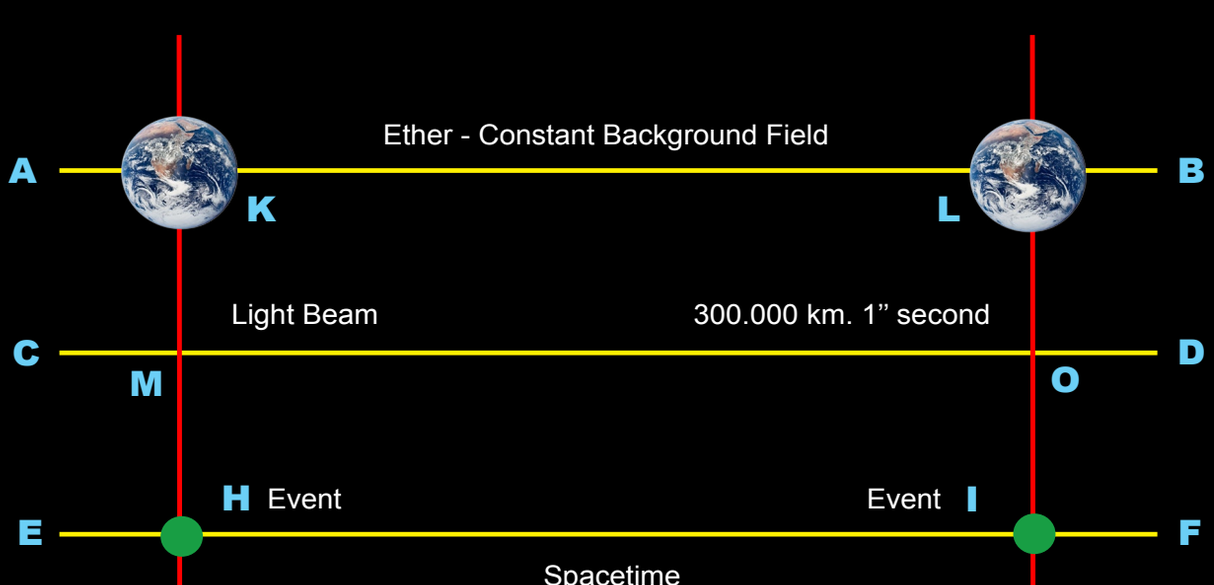

CHAPTER XXVII

The Answer to the Experiment of the M.M.

In order for the experiment by the scientists Michelson and Morley to become fully understood and in order for us to identify possible scenarios of differences from the real result, by an inadequate manner of measurement, on the basis of which the idea of the Ether was excluded, we shall analyze in our own designed way, a new version that aims at the proven existence of the Ether.

We define with a straight line **AB** the constant background field (Ether).
We define with a straight line **CD** a light beam with linear velocity 300,000 kilometers per second.
We define with a straight line **EF** which refers, in a linear form, to spacetime.
The points **K&L** are constant points that are defined by a motion of the Earth which runs along the length of light beam **CB**.
The points **H** and **I** are two intelligible points of spacetime (events).
The observer of this experiment wants to confirm the existence of a constant background field, that is, the existence of the Ether.

The observer considers that if in reality light travels at a constant velocity, because its "constant" is due to the constant background of the Immobile Ether, then it should be the case that in one orbit of the Earth, on which the observer himself is located, from point **M** of the light beam until point **O** of the same beam, the time that intervenes will not be the same as time **H I** which has to do with the same distance that the light will travel, for the reason that from the watch of the observer the time of the difference in distance that the Earth travels , must be subtracted, for the period of measurement between points **MO**.

Michelson and Morley confirmed that again the time of the speed of light was constant, while the distances between the two linear temporal periods were unequal.
In the same experiment, Michelson and Morley supposed that if the Earth moves within an "Immobile sea of Ether"; its velocity would have to be measured as a captain measures the speed of his ship in relation to the Immobile sea. They noted the speed of light in the direction of the movement of the Earth, with a linear parallel speed; they compared it with a vertical direction of the speed of light, and confirmed that while the two speeds should have been unequal, they were the same.
Result: They rejected the Ether as a constant background field, by an experiment that by its very nature was incomplete!

The two scientists did not consider that the comparison of the two different measurements of velocity, the difference that they thought would arise - according to their experiment - in relation to the movement of the Earth with the stationary Ether, was not demonstrated for the simple reason that the Ether is inherently closed, not only in the cosmic space and on Earth, but within light itself, with the result that the constant background field "to see the Earth" as Immobile, and the speed of light as Absolutely Constant, since it relates constantly to the same Constant background field.

This leads us to the conclusion that the speed of light, when compared by different observers, moving or unmoving, in relation to the constant background field, which is the Ether, is considered always as Absolute, since light is a product of the Ether itself.
Since the Ether is the operative matrix from which streams every form of matter and energy for the composition of life, we do not have the right to consider its mobile and its Immobile property as anomalous things and proceed to measurements of separate properties.
Decoding the Ether in its mobile and Immobile aspect and in correlation with the expansion of the universe, the science of the future will be able to analyze the maps of the heavens and overturn certain established cosmological models, which create only headaches for researchers of the cosmos.
Finally, what we must realize is that not only light, but also the material things of the universe are inherently Immobile and whenever it is required to compare their velocities in relation to the constant background field of the Ether, those velocities must be considered in every case Constant and Unchanged.