

THE MESSAGE OF DR. RUSSELL ARNDTS

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ABSTRACT

Dr. Russell Arndts had a message that continues to be novel and unique regarding the social forces that influenced the formation of the Theory of Relativity that is assigned to Albert Einstein. Dr. Arndts might be a secondary source and not its original author. Therefore, it is possible that this message appears elsewhere in its original form by its original author.

KEYWORDS

Relativity, Geocentricity, Heliocentricity, Michelson-Morley 1887, The Fizeau Experiment, Dr. Russell Arndts, The Double-Slit Experiment of 1804, Heraclides of Pontus

Dr. Russell Arndts proclaimed a message which fell on deaf ears in his book of 2008 and before he died in 2010. The famous “failed” Michelson and Morley Experiment of 1887 was the last of a series of experiments in the 19th Century beginning with the Double-Slit Experiment of Thomas Young in England in 1804. This was followed by the “failed” Arago Experiment of 1810 and the successful Poisson Dot Experiment of 1818. Leon Foucault and Hippolyte Fizeau independently measured the velocity of light in the atmosphere. Also, they independently demonstrated that light does not move at a constant velocity in a closed Inertial Reference Frame. Light moves slowly through water. Finally, both experimentalists demonstrated that the velocity of light is affected further if the water is in motion either approaching the emitter or receding from the emitter. These experiments were conducted approximately in the Year of 1850.

Upon the proposal of Robert Joseph Boscovich (1711-1787), Professor Wilhelm Klinkerfues (1827-1884) decided to combine the Arago Experiment of 1810 with

these experiments of Foucault and Fizeau. He claimed that the experiment yielded the expected results. He published in 1867 (General Science Journal/Historical Papers-Astronomy/Download/7795).

Royal Astronomer George Airy duplicated the Boscovich/Klinkerfues Experiment, but he claimed otherwise. It is known as the “failed” Airy Experiment of 1871.

Albert Michelson attempted to detect the Revolution of the Earth around the Sun by using a Light Interferometer of a different design than used by Foucault and Fizeau. Michelson failed in 1881.

In 1886, Albert Michelson and Edward Morley successfully confirmed Foucault and Fizeau. Also in 1886, Theoretician Hendrik Lorentz published a negative review of Foucault and Fizeau.

In 1887, Michelson and Morley attempted to detect the revolution of the Earth and they failed.

A 20th Century Scientist is quoted as saying, “If a Scientific experiment yields an expected result, then that is a measurement. If a scientific experiment yields an unexpected result, then that is discovery.”

What has been discovered? What secret had Nature revealed?

It is possible that a lack of understanding of Physics caused the “failures”. It is possible that internal factors caused the “failures”. Unrealistic expectations and poorly-written hypothesis and premise can label an experiment as a “failure.” A cynic would investigate the scientific experiment itself as a physical phenomenon of Nature. How is this possible with only a limited understanding of Nature? So, it was assumed that internal factors and a lack of understanding did not cause the “failed” experiments. The only remaining option is that Nature has revealed a secret. But, which secret?

The Theoreticians who must interpret the empirical data of this series of experiments from 1804 to 1887 worked from a list of options. 1. The Earth is stationary in the Universe and the Earth did not rotate or revolve. 2. It is impossible to determine the movement of the Earth from scientific experiments. This is The Principle of Relativity which was proposed by Henri Poincare. 3. The great velocity of the Revolution of the Earth caused a hypothetical Fitzgerald

Contraction upon the Interferometer and made it appear as if the Earth is not moving. This will become the Lorentz Transformation with Hendrik Lorentz and Joseph Larmor as authors. 4. Light is NOT a propagating wave in its medium of existence. 5. "TIME" is a mental construct of our untrained intuition. "SPACE" is a mental construct of our untrained intuition.

Dr. Arndts proposed that the Heliocentric Hypothesis was threatened by this series of experiments. He proposed that this threatening posture motivated the Theoretical Physicists to "re-invent" Physics. Who disagrees with the fact that Physics was "reinvented" following this series of experiments? Who disagrees that MMX-1887 was influential?

I agree 99% with Dr. Arndts. I agree that the Heliocentric Hypothesis was threatened. I agree that Physics was "reinvented" as a result. At this point, I must note that the success of Georges Sagnac in 1913 and Michelson-Gale in 1925 is an embarrassment to "New" Physics.

Do I agree that the Earth is stationary as Dr. Arndts proposed? No. The centralized Earth is both rotating and revolving as the ancient Pythagorean Astronomer Heraclides of Pontus (387B.C.-310 B.C.) proposed.