

# Cosmic Microwave Background Radiation and New Space Projects

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Pierre-Marie Robitaille in his paper has analyzed various issues concerning research into the “cosmic microwave background radiation” (CMB) by means of the satellite COBE (the Cosmic Background Explorer). Robitaille concludes that the COBE satellite has not proven that the CMB originates from the Universe and represents the remnants of creation. From Robitaille’s paper it follows that the COBE project is an indicative example of how false ideas of theoretical physicists are embodied in grandiose undertakings. The huge resources of engineering and related work and the financial assets of a society are misappropriated on these tasks. Cosmic research in itself gives new knowledge about the world, which is necessary if physicists are to awake and understand. The aerospace engineers should act as the leading member, the theoretical physicists playing a secondary role in support of and service to the leader. On April 13, 2029 the asteroid Apophis will pass Earth at a distance of 6.1 Earth radii. This will not again occur for 1000 years. It is offered to transform Apophis in the Earth’s satellite. It will be New Frontiers of cosmic exploration.

Pierre-Marie Robitaille [1] has analyzed various issues concerning research into the “cosmic microwave background radiation” (CMB) by means of the satellite COBE (the Cosmic Background Explorer [2]). The COBE research is being carried out with the Far Infrared Absolute Spectrophotometer (FIRAS) which operates from ~30 to ~3,000 GHz.

Motivation to study the CMB is provoked by Big Bang theory, according to which the Universe has arisen from a point and as a result of continuous expansion its parts are scattering, leaving the CMB of space as a remnant.

These fantasies of theoretical physics about the expanding Universe and the Big Bang contradict logic and mankind’s knowledge of the physical world [3]. They follow in that direction created by the Theory of Relativity. It consists in putting forward a hypothesis and on its basis to construct the theory and then to believe that the world is so arranged. This misdirection in science has constructed a microcosm and a macrocosm which actually do not exist [4].

From a detailed and all-round study of the CMB, the relevant hardware, techniques of research and the reported results, Robitaille concludes that the COBE satellite has not proven that the CMB originates from the Universe and represents the remnants of creation. Robitaille has also shown that the main interest of the authors of the COBE project consists in creating highly visible and grandiose scientific enterprises to justify, before society, the expenditure in their realisation.

The problem on sky radiation is in itself of interest. How does the daytime sky shine? How is the intensity of radiation distributed with wavelength? It is possible to pose exactly such questions concerning radiation of the night sky? Knowledge of sky radiation may be used in the future for many purposes. However, it is impossible to construe these researches for confirmation of mad physical theories, because such researches will be also deformed thereby so that we shall not acquire real knowledge of sky radiation.

From Robitaille’s paper [1] it follows that the COBE project is an indicative example of how false ideas of theoretical physicists are embodied in grandiose undertakings. The huge resources of engineering and related work and the financial assets of a society are misappropriated on these tasks. The fantasies of theoretical physicists always end in failure, and so COBE is no exception. But, unfortunately, instead of discarding old fantasies, the theorists put forward new ones, and again the cycle of their attempted realization is repeated.

This cyclic process was started, as I have mentioned, by the creation of the Theory of Relativity. The first grandiose project on measurement of the deviation of light by the Sun in 1919 produced a false confirmation of the General Theory of Relativity. Ever since, these cycles of “confirmation” are repeated.

The construction of theories to explain the world (in essence, construction of an imagined world) instead of actually analyzing and studying it, became the mainstream of 20<sup>th</sup> century science. The foremost task of mankind consists in rejecting this method. It is necessary to proceed in a direction by which the external world is investigated, i.e. the choosing of properties to measure, the measurement of the quantities of interest, and the dependence of one property on another to be determined [5]. This is the classical method of science, due to which mankind has gained knowledge, the method which we must use and which will be used by our descendants.

For the further development of mankind it is necessary to continue investigation of the cosmos. However, for purposes of validating physical theories this must not be construed. Cosmic research in itself gives new knowledge about the world, which is necessary if physicists are to awake and understand. The aerospace engineers should act as the leading member, the theoretical physicists playing a secondary role in support of and service to the leader.

There is a variety of potential space exploration projects from this perspective. I propose [6], for instance, the following. On April 13, 2029 the asteroid Apophis, which has a diameter of 270

m and weighs about 30 million tons, will pass Earth at a distance of 6.1 Earth radii. This will not again occur for 1000 years. If Apophis is captured by the Earth as a satellite it may be used thereafter for a variety of purposes. It may, for example, be used as a manned orbital station, or perhaps as the basis for a cosmic lift. It could be used as a shuttle on delivery of cargoes to the Moon and from the Moon to Earth.

The problem of asteroid capture to establish a useful satellite is extremely difficult. But in 20 years it may be solved, if society would pose the task to aerospace engineers, instead of squandering resources on fantastic theories.

## References

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