

Dear Lyndon Ashmore,

I have read your paper (“Recoil Interaction between Photons and The Electrons in the Plasma of Intergalactic Space Leading to the Hubble Constant and CMB” on a site <http://www.lyndonashmore.com>) with the big interest. You are not the supporter of the standard explanation cosmological redshift of light due to Doppler effect. Such explanation results in increased velocity of objects recession from the observer, i.e. the extending universe. If the extending universe to extended in the past once the all bodies will be in a point. So in contemporary physics it is come to the theory of the Big Bang.

You are the supporter of an explanation of redshift of light by the features of its distribution in space. In particular, you prove redshift of light by the losses of energy of photons at their interaction with electrons of the space. In the calculations given by you it is shown, that at density electrons  $0.1\text{M}^{-3}$  this effect gives 12/64 part of observable of redshift.

I as am not the supporter of the standard explanation of redshift of light. I think it is erroneous and unscientific. The bodies even after scattering owing to explosion, because of a gravitational attraction their to each other, will begin are slowed down. Therefore structure of velocities of bodies: the increase of velocity of bodies  $V$  is proportional to their distance  $d$  from the center - contradicts laws of the mechanics. Such field of speeds can be in the case, when the forces of pushing away operate between bodies, and the forces of an attraction are not present.

So, or we are attracted to the Earth and we live on it, or we live in madhouse and the Universe extends.

Unfortunately, since 1905 in the contemporary science (in particular, in the theoretical physics) the direction of explanation of the world by imaginable objects, instead of real one, has prevailed over. It is considered, that it is necessary to put forward a hypothesis and on its basis to construct the theory which will explain the world. Therefore the all explanations, which were created in 20-th century, are based on such invented objects.

The Physics of 20-th century instead to clear conception of light has brought to it in mess. And we now do not know what is light. We do not understand the mechanism of its propagation. We do not understand also from what particles the substance consists and as they keep together. Hypothetical particles of light – photons differ from bodies, as they have no mass and they move with constant speed. The Mechanics is created for the description of interactions of bodies, which have mass and which move with acceleration, when other bodies act on them. Therefore laws of the mechanics are inapplicable to photons.

You explain interaction of photons with electrons by laws of the Mechanics; for example, consider transfer of a momentum and energy from one particle to another. But what may be a momentum at a particle, which has no mass? You use the laws of the Mechanics how it is accepted in contemporary physics. But such application is uncorrected; this method in contemporary physics constantly changes and adjusted so that the hypothetical description of the phenomena has coincided with observations or experiments. Therefore your explanation is also hypothetical.

What I see a way? Gradually it is necessary to eliminate from science the invented objects and the hypothetical explanations. It is necessary to study world around instead of to build it on the imaginations. And as for as redshift it is necessary to study its structure:

1. What lines are shifted and as far as?
2. What elements of substance give redshift?
3. What space objects cause redshift?
4. They pertain to what classes?
5. What it is known about their velocity and distance up to them?
6. And other attributes of redshift.

As a result of all-round studying this phenomenon the understanding of redshift will be achieved. Such understanding will not further be rejected and will increase the sum of human knowledge of our descendants.

Probably, you have already executed such researches in the book “Big Bang Blasted!”. In the summary you have written: “The story of the expanding universe and how it was shown to be wrong!” I with interest would familiarize with it. I shall wait your arrival in Siberia and then we shall exchange the books with you. But if you read in Russian, that you may familiarize with my book the “Theory of Interaction” on the site according attached below information.

The methods of modern physics: the relativistic and quantum Mechanics are a bluff. With the help of them the new objects (elementary particles, black holes, strings, dark energy etc.) and their properties are thought out so to adjust their to results of observations and experiments. These methods contradict bases of the Mechanics. In the book “Theory of Interaction” I have cleared bases of the Mechanics from dirt and have shown, as them to apply for electromagnetic and gravitational interactions. I confidently advise all scientists to use them at study of the phenomena of world around.

For discussion of problems of contemporary science we with doctor Sergey N. Arteha have created a forum ([http://www.antidogma.ru/proposals\\_en.html](http://www.antidogma.ru/proposals_en.html)). I offer you to accept in it participation and to state your opinion of these problems. Your paper and the summary of your book testify, that you have far enough promoted in understanding of world around and do not accept its image invented by contemporary science. Such scientists are many. It is necessary to exchange ideas, to carry out conferences, to issue magazines. Then judiciousness in science will overcome the obscurantism, which has usually in it.

These letters in Russian I send too doctor Sergey N. Arteha and Prof. Philip M. Kanarev. Prof. Philip M. Kanarev have written interesting paper about cosmic microwave background.

Sincerely yours

12.10.06.

Prof. Joseph J. Smulsky