

Dear Colleagues,

Just published two of my articles [1] - [2]. These articles are important for understanding climate and paleoclimate changes, so reading them during the coronavirus quarantine period will pay off for you in the future.

The first article [1] presents the results of the new Astronomical theory of climate change, its substantiation and substantiation of the fact that marine isotope stages (MIS) do not reflect changes in the paleoclimate and are not related to it.

Many of the contemporary researches have had to tie your research results to the MIS. Without such a link, the article could not be published in prestigious publications. They had to do this, although the research materials testified otherwise. Moreover, the entire world began to re-evaluate the work of all previous researchers of the 19th and 20th centuries, with the aim of adjusting their results to the MIS.

Everything! The researches don't have to do this anymore! Marine isotope stages must be thrown away and forgotten.

MIS was a real obsession and clouding of consciousness. Even the creators of the MIS assumed them as indicators of paleoclimate change. And everyone perceived the MIS as the reason for its change.

The cause of the long-term climate changes over tens of thousands of years is oscillations in the parameters of the Earth's orbital and rotational motions. The latter are due to the interaction of bodies in the Solar system [3] - [5]. The extremes of warming and cooling at high latitudes are determined with an accuracy of minutes in time. Their amplitude and moments of onset coincide with known warming and cooling of the paleoclimate [6]. For 200 thousand years, insolation periods are numbered:  $O_I$ ,  $I_I$ ,  $2_I$ , ...,  $12_I$ , and their time boundaries are determined. All changes in the paleoclimate, both in Siberia, Europe and North America, occurred simultaneously. But they were studied at different times, by different researchers, and therefore the names of cold snaps and warmings are different. However, they are all due to the same cause. Therefore, their exact age and time boundaries are determined by insolation periods  $O_I$ ,  $I_I$ ,  $2_I$ , ...,  $12_I$ .

In this regard, all events in paleoclimate should be compared with insolation periods  $O_I$ ,  $I_I$ ,  $2_I$ , ...,  $12_I$ . This will reliably determine the age of events and the relationship in time with paleoevents in other regions. Examples of the use of insolation periods are available in our works [3] - [6]. In [7], it is shown how to use summer insolation at equivalent latitudes for the reconstruction of the paleoclimate. In article [8] this value was introduced for the winter half-year and year, and it was shown how to apply it.

Article [1] has been tested for three years in three journals <http://www.ikz.ru/~smulski/Papers/Discussion.pdf>. It was reviewed by almost a dozen reviewers. Essentially, no shortcomings were found in the article. Since the article destroys the prevailing understanding, the reaction of the reviewers is sharp and categorical. One of these reviews has been published. My answer to it is presented in [2].

Congratulations on the upcoming New Year 2021! I wish you health and success in the New Year!

We must always remember that in our research work there should be no deception or falsehood. Then everyone will clear understand how our world works, and the further development of mankind will not be exposed to such dangers as the modern coronavirus epidemic.

### References

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Sincerely yours

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