

## Is it Just Global Warming and How Much we Have Contributed to it?

Maria Kuman

Holistic Research Institute, Knoxville, TN, USA

**\*Corresponding author**

Maria Kuman, Holistic Research Institute, Knoxville, TN, USA.

**Received:** November 04, 2023; **Accepted:** November 16, 2023; **Published:** November 28, 2023**ABSTRACT**

If it was a Global warming the temperatures will be higher day and night, summer and winter. However, we have: 1/ very hot days and very cold nights with temperature difference reaching 30° F and 2/ very hot summers and cold winters with temperature difference reaching more than 100° F. This means one thing – Earth’s atmosphere is becoming thinner, which makes the days and summers hotter and the nights and winters colder because the thinner atmosphere cannot hold the received heat. Also, Aurora Borealis is normally observed only in polar areas not covered by the ionosphere, which is like a doughnut around the Earth. The fact that Aurora Borealis was observed in Scotland in March 2023 means that the Earth’s ionosphere, which holds the atmosphere, is shrinking. The shrinking of the ionosphere (and the atmosphere) is caused by the way we make rain to avoid the drought – we use the ions of the ionosphere. This depleted the ionosphere, which holds the atmosphere. We need to change the way we make rain and try to replenish the ions of the ionosphere, which we have used to create rain. If we don’t do this the Earth will lose its atmosphere and will become uninhabitable.

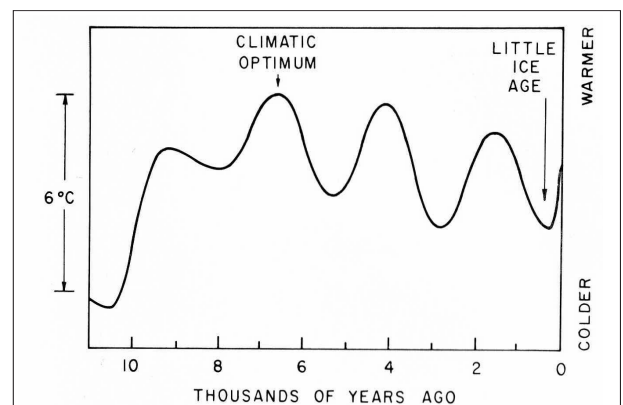
**Keywords:** Global Warming Means Higher Temperatures, Present Large Day-Night Temperature Difference, Present Large Summer-Winter Temperature Difference, Ionosphere Shrinking, Atmosphere Shrinking

**Introduction**

This article aims to draw attention to the fact that global warming would mean higher temperatures during the summer and higher temperature during the winter. The fact that our summers are hotter, but our winters are colder, means only one thing that the atmosphere is getting thinner. The article explains what caused it and how to fix it.

**What Caused the Global Warming According to Study of the Glaciers?**

Many-years study of the glaciers gave the following picture of warming periods on Earth alternating with ice ages. The temperature changes on Earth in the last 10,000 years are presented on Figure 1. The first deepest temperature minimum belongs to the Big Ice Age and it is followed by four Mini Ice Ages. The Ice Ages alternate with warm periods (the maximums of temperatures). In the last 10,000 years, the Earth has been through four warming periods and now we are in the fifth warming period. This is the Big Cycle of Solar Activity with minimum temperatures - the Ice Ages, and maximum temperatures - global warmings. So, we are now in one of these global warming periods. So, we didn’t create the present warming the warming resulted from increased solar activity, which takes place every 2,562.5 years according to study of the glaciers. (The graphic is taken from the book of John Imbri and Katherine Imbri, Ice Ages - Solving the Mystery, published in 1979) [1].



**Figure 1:** The Warm Periods alternating with Ice Ages on Earth in the last 10,000 years according to study of the glaciers

From the graphic on Figure 1, I dated the biggest flood (Noah’s Flood), which took place when the huge ice caps of the Big Ice Age (the deepest temperature minimum) were melting [2,3]. (Studies of the earth layers on the American continent showed that during the Big Ice Age the ice cap of the northern pole was covering Northern Kentucky). I dated Noah’s Flood based on study of the glaciers as an event that happened 9,500 years ago, which perfectly agree with the estimate value of Dr. Ballard from his sonar scanning of the Black Sea shore [2,3]. This proves that the studies of the glaciers are trust-worthy. According to Figure 1 our global warming is caused by the periodic increase of solar activity every 2,562.5 years - the fifth maximum of the Big Cycle of solar activity.

### What the Colder Nights Mean during Global Warming?

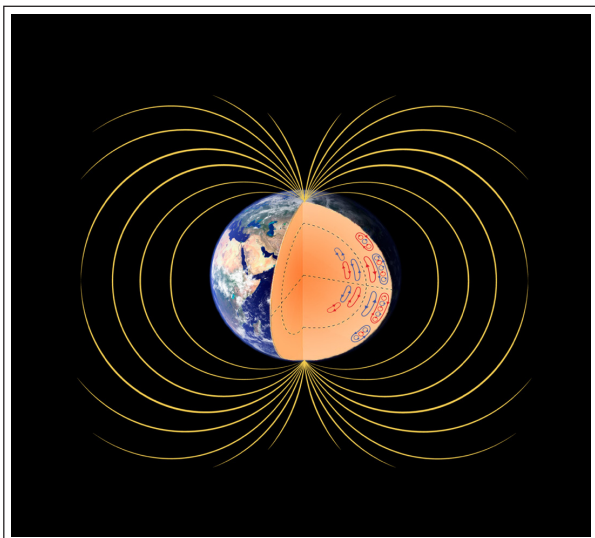
In the first week of June 2023, in Knoxville, Tennessee (where I live), the temperatures during the night were 61°F and during the day they were reaching 89°F. The temperature difference was 28°F and this is not global warming – global warming means warmer during the day and warmer during the night. What could have caused this large day-night temperature difference? The only possible explanation is thinner atmosphere – it would allow more heat to reach the Earth during the day and it would not be able to keep the received heat during the night.

### What the Colder Winters Mean during Global Warming?

In the winter of 2023, the temperature during the night dropped down to 6° F and in Tennessee (where I live) this is unthinkable low. Again, global warming means warmer weather during the summer and warmer weather during the winter. What could have caused the warmer summers and the colder winters? Again, the only possible explanation is thinner atmosphere, which would allow more solar heat to reach the Earth during the summer resulting in hotter summers and would allow more heat to leave the Earth during the winter resulting in colder winters.

### What Seeing Aurora Borealis in Scotland Means?

In March 2023, Aurora Borealis was observed in Scotland. Normally, Aurora Borealis is observed only in the polar areas of the Earth, which are not covered by the ionosphere. The ionosphere is like a donut around the Earth – a doughnut of ions caught by the magnetic lines of Earth's magnetic field (Figure 2). It is the protective shield of the Earth – it catches the ions of the solar wind. Without the presence of the Earth magnetic field and ionosphere, Earth's atmosphere will be blown away by the strong solar winds. The fact that Arora Borealis was observed in Scotland means that the ionosphere has shrunk and it is not covering Scotland any more.



**Figure 2:** Earth's Magnetic Field catches the ions of the solar wind and forms the ionosphere, which holds the atmosphere

Also, the observed fast melting ice of the Permafrost and the release of a lot of methane (from the methane deposits under the permafrost) means that the atmosphere is now thinner and allows more solar heat to reach the Earth and melt the ice of the Permafrost. Why is the ionosphere of our Earth shrinking and why is the atmosphere (that the ionosphere holds) shrinking?

### How the Way We Make Rain (or the Way We Play the HARP) Influences Our Earth?

An article of David Kremer published in Physics Today revealed that HARP (High Atmosphere Research Project) was a research project aimed to create rain during the drought. How it works? Chemicals are spread by stilts (quite airplanes) to create clouds. However, to have rain from the clouds nucleuses of condensation are necessary. To create them, a powerful microwave flux shoots the ionosphere (thus the name "high atmosphere" project) to create rain of ions. When these ions pass through the clouds, they become nucleuses of condensation, and we have rain. It was expected that the solar winds will supply the ions we have used for rain. However, the fact that the ionosphere became weaker, and the atmosphere it holds became thinner, means that this is not happening. We need to find a different way to make rain because if we continue this way, the Earth would lose its ionosphere and atmosphere and become uninhabitable.

### Conclusion

I don't want to finish this article without a suggestion what we can do to fix the problem we have created. So, my suggestion is to use a flux of ions from the Earth to create nucleuses of condensation in the clouds and the ions not absorbed by the clouds will go to the ionosphere to supply the ions that we have used to create rain. And this must be done as soon as possible because our life on Earth depend on this.

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