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## What Caused Australia's Disastrous Wildfires?

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**Introduction-** In the journal Physics Today of March 2020, David Cramer published an article on p. 26 with the title: "What Caused Australia's Disastrous Wildfires? It Is Complicated" [1]. Our title does not have the word "complicated" because we don't think it is that complicated and we intend to explain not only what caused the wildfires, but to explain also the peculiar asymmetric characteristics of the global warming. Bushfires are common in Australia, but this year the disaster was overwhelming - 11 million hectares burned, which is the size of the Australian state Virginia. Even Sidney suffered unhealthy levels of smoke. 2019 was the hottest and driest year ever recorded. The annual mean temperature was  $1.5^{\circ}\text{C}$  above the average  $21.5^{\circ}\text{C}$  for the years 1961 – 1990. Last year, the Australian average rainfall totaled 277.6 mm, which is way below the record low rainfall of 1902 – 314.5 mm. We will add to this that 2020 is expected to be even hotter and dryer. Why our Earth experiences Global Warming?

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# What Caused Australia's Disastrous Wildfires?

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## I. INTRODUCTION

In the journal Physics Today of March 2020, David Cramer published an article on p. 26 with the title: "What Caused Australia's Disastrous Wildfires? It Is Complicated" [1]. Our title does not have the word "complicated" because we don't think it is that complicated and we intend to explain not only what caused the wildfires, but to explain also the peculiar asymmetric characteristics of the global warming. Bushfires are common in Australia, but this year the disaster was overwhelming - 11 million hectares burned, which is the size of the Australian state Virginia. Even Sidney suffered unhealthy levels of smoke. 2019 was the hottest and driest year ever recorded. The annual mean temperature was  $1.5^{\circ}\text{C}$  above the average  $21.5^{\circ}\text{C}$  for the years 1961 – 1990. Last year, the Australian average rainfall totaled 277.6 mm, which is way below the record low rainfall of 1902 – 314.5 mm. We will add to this that 2020 is expected to be even hotter and dryer. Why our Earth experiences Global Warming?

## II. WHAT CAUSED THE GLOBAL WARMING?

The Sun has many different cycles of activity with different lengths and amplitudes. The shortest cycle of solar activity is with a period of average 11 years and it is not with large amplitude. However, according to study of the glaciers [2, 3], the Sun has a cycle with a period 2,562.5 years with much larger amplitude, whose minimum causes the Ice Ages. According to study of the glaciers [2, 3], the year 2020 is the maximum of this cycle of solar activity with large amplitude. This maximum of solar activity is what caused the global warming on Earth [4].

## III. WHEN THE GLOBAL WARMING STARTED?

Australia's Bureau of Meteorology claims that 9 of the country's hottest years have occurred since 2005 [1]. What happened in 2005 to start the Global Warming and the increased solar activity? In year 2005, 7 planets were aligned on both sides of the Sun in inferior conjunction [4]. It was a great planetary alignment, i.e. it included the big planets Jupiter and Saturn. Five distant planets were aligned on one side of the Sun while the Earth and Moon were on the other side. At such symmetric magnetic perturbation on both sides of the solar equator, the Sun bulges at the equator and its activity increases.

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Our science presently still claims that the alignment of planets cannot influence solar activity because their gravitational influence is too small. However, more and more evidence pile up that strong magnetic fields are the ruling factor in the solar activity [5]. Since all planets have magnetic moments (except Mars and Venus), the magnetic influence of aligned planet must influence solar activity and this magnetic influence is considered an important factor in the article of the author [4].

At the present moment, our science considers only the gravitational influence in astronomy and completely ignores the electromagnetic influence, which is much stronger. This needs to change because all material creations (including stars and planets) are matter and nonlinear electromagnetic field (NEMF) with the same torus shape [6]. If so, the influence of the nonlinear electromagnetic field (NEMF) of aligned planets on the NEMF of the Sun should always be considered.

## IV. WHEN THE GLOBAL WARMING WILL END?

Thus, the global warming was caused by increased solar activity induced by symmetric conjunction of planets on both sides of the Sun (inferior conjunction). The Global Warming will end when seven planets are going to be aligned on one side of the Sun (superior conjunction). According to NASA data, this will happen on December 21, 2020. The author has the proof [4] that at this asymmetric alignment, the sum-up magnetic moments of all seven planets on one side of the Sun will flip the magnetic poles of the Sun.

Flipping of the magnetic poles of the Sun means that the Sun will start spinning in opposite direction, i.e. the Sun will start spinning counterclockwise like an anti-vortex and loosing energy. This will end the cycle of solar activity with periodicity of 2,562.5 years according to study of the glaciers, which means that the asymmetric alignment of seven planets on one side of the Sun on December 21, year 2020, will end the solar activity and the Global Warming on Earth.

## V. THE IMPACT OF GLOBAL WARMING ON EARTH

The flipping of the magnetic poles of the Sun, which means the Sun will change its direction of spinning, could induce flipping of the magnetic poles of the Earth, which means that the Earth may start spinning



in opposite direction. However, the flipping of the Earth's magnetic poles is uncertain because while the Sun changes the direction of its spinning regularly as a clock, our Earth changes its direction of spinning very irregularly because the Earth satellites found that our Earth is not a sphere – it is cleft. The author offers explanation in article [7] why the Earth is cleft.

## VI. EXPLAINING THE ASYMMETRY OF THE IMPACT OF GLOBAL WARMING ON EARTH

For David Cramer, the author of article [1], it looked too complicated and impossible to understand and explain the asymmetric influence of the global warming on the northern and southern hemispheres of planet Earth. Article [1] claims that one of the factors responsible for the disastrous wildfires in Australia the last year is an event with highly unusual occurrence – breaking of the Antarctic polar vortex, which happened the last year 2019 for the first time. However, the article [1] should say that not the Antarctic vortex, but the Antarctic polar anti-vortex brock the last year 2019. Why?

Russian scientists reported that the diameter of Earth is growing each year, but very unevenly - while more cosmic dust is deposited on the Northern pole, the southern pole is loosing material. Since vortices suck material and anti-vortices emit material, this means that the Northern pole that sucks material must be vortex, and the southern pole that looses material must be anti-vortex. Cramer [1] also claims that such events like broken vortex are frequent in the Northern hemisphere, but are very rare in the Southern hemisphere [1]. This asymmetry was completely not understandable for Cramer [1] and we are going to explain it.

In the author's article [8], it was explained that the Coriolis forces, which cause thrown object to be always deflected to the right in the northern hemisphere and deflected to the left in southern hemisphere cannot be caused by the spinning of the Earth, as Coriolis claimed, because the Earth spins in the same direction in both hemispheres. The deflection to the right in the northern hemisphere means that the northern hemisphere is magnetic vortex because vortices spin clockwise (to the right). The deflection to the left in the southern hemisphere means that the southern hemisphere is magnetic anti-vortex because anti-vortices spin counterclockwise (to the left).

This is in full agreement with what we said for the uneven deposit of cosmic dust on Earth and it means that the Earth's NEMF is a vortex on top of an anti-vortex. This also explains why water drains clockwise (like a vortex) in the northern hemisphere and counterclockwise (like an anti-vortex) in the southern hemisphere. It also explains why hurricanes and tornados spin clockwise (like a vortex) in the northern hemisphere and counterclockwise (like an anti-vortex) in the southern hemisphere. Now, if the Earth's NEMF is a

vortex on top of an anti-vortex, since vortex and anti-vortex spin in opposite direction they create magnetic fields with opposite polarity. If so, we can think of them as two permanent magnets attracted to one another.

If to one of the stuck-together two permanent magnets of earth we approach a third permanent magnet, which would represent the magnetic influence from the sum-up magnetic moments of aligned planets, we can expect the two magnets to respond differently. If the aligned planets were toward the Northern hemisphere, their influence on the Northern hemisphere would be stronger. I don't know if this is the case, but since the influence of the aligned planets is stronger on the Northern hemisphere, I can claim with certainty that the planetary alignment should be toward the Northern hemisphere.

## VII. CONCLUSION

Thus, the present article not only explained what caused the disastrous wildfires in Australia, it explained the observed unexplainable asymmetry of the changes related to global warming - stronger in the northern hemisphere than in the southern. But Global Warming has also a positive side. The positive side of Global Warming is explained in the author's article [9] - the increased magnetic field of the Sun during solar activity stimulates the human brain, which explains our high technological novelties during the Global Warming period.

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