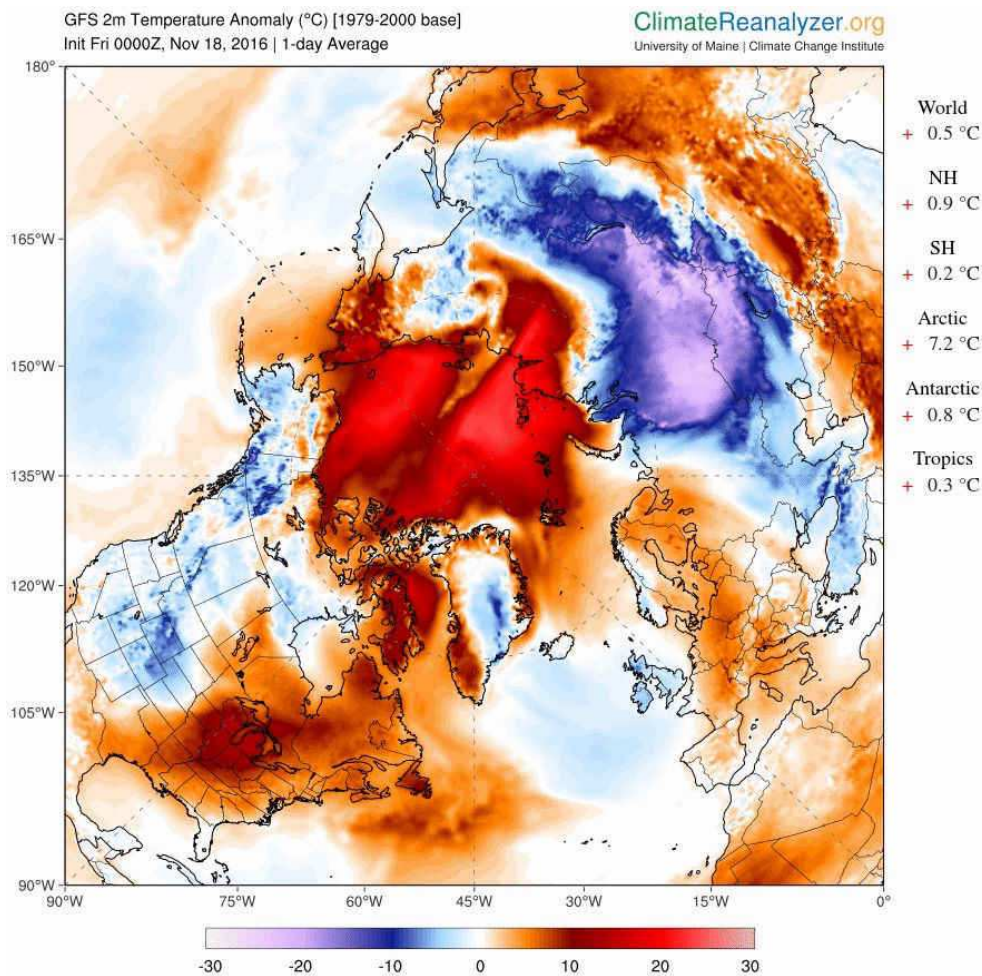


Time for climate normalization research *

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It's amazing how much the intellect is hindered by wrong or poor choices of words.

Francis Bacon



A map indicating increased infrared meter readings (red) and decreased ones (blue) the Earth was on November 18, 2016, in comparison with the same days in a period between 1979 and 2000. Image credit: ClimateReanalyzer.org/Climate Change Institute/The University of Maine

Forget mighty Brazilian butterflies that can send tornadoes to Texas with a flap of their wings. There is no chaos in nature - only in some sciences. The connection between the turbulence of Earth's mantle, outer space, and climate has become more and more obvious. I will revisit old errors, forgotten artifacts, and abandoned theories as a nourishment for independent and interdisciplinary brains.

"...THAT ONE BODY MAY ACT UPON ANOTHER AT A DISTANCE TROUGH THE VACUUM, WITHOUT THE MEDIATION OF ANYTHING ELSE, BY AND THROUGH WHICH THEIR ACTION AND FORCE MAY BE CONVEYED... IS TO ME SO GREAT AN ABSURDITY THAT I BELIEVE NO MAN WHO HAS IN PHILOSOPHICAL MATTERS A COMPETENT FACULTY OF THINKING CAN EVER FALL INTO IT..."

The future troubles in climatology and geophysics were caused, as it appears, by Newton. He

1) abandoned DesCartes' vortices and

2) hid the inverse cube rule for tidal forces in the obscure „Principia”.

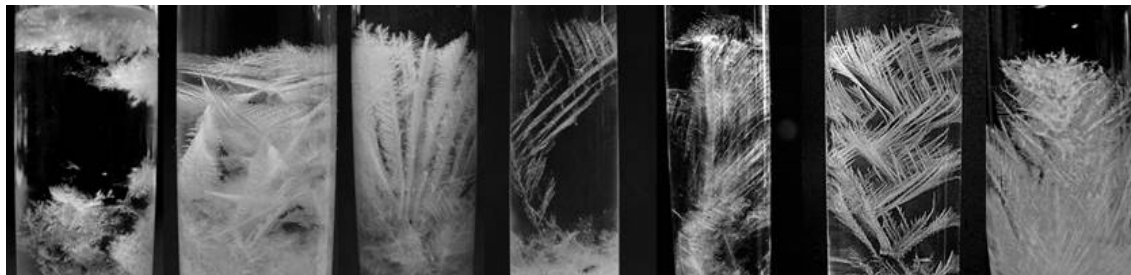
We should not judge him too harshly, however; Newton has been accused of occultism for gravity alone.

CHEMISTRY STRONGER THAN PHYSICS

After the superstorm of 1859, the British vice-admiral Robert FitzRoy distributed chemical barometers - stormglasses, which were able to predict a storm two days in advance.



Vice-Admiral **Robert FitzRoy** (1805-1865)



Crystals in stormglass. Credit: Stormglass-Prague

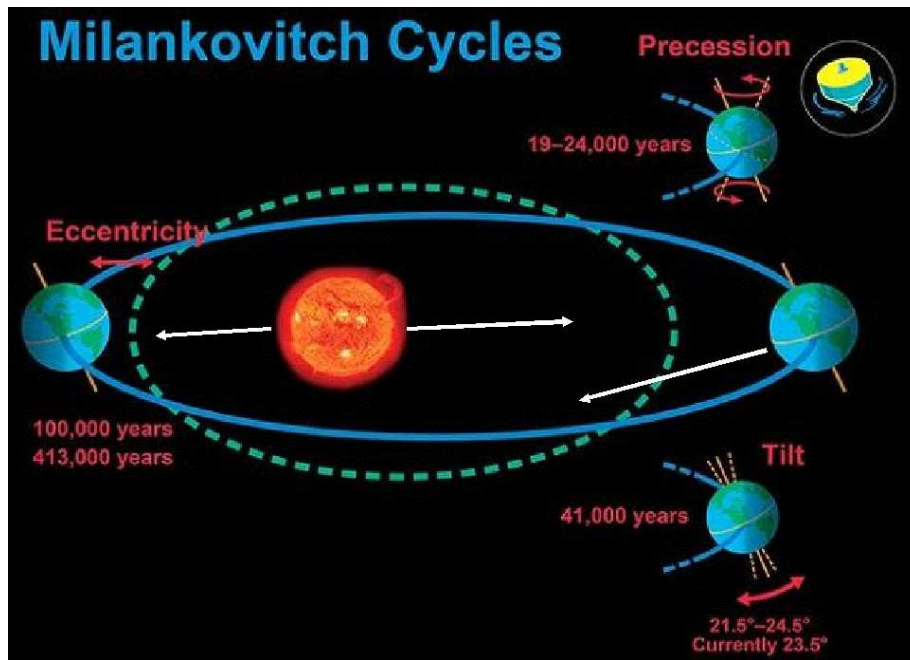
In the late 20th century, Russians reexamined stormglasses and concluded that generally they work well but researchers do not understand how.

„IMPOSSIBLE” CORRELATIONS BEGIN

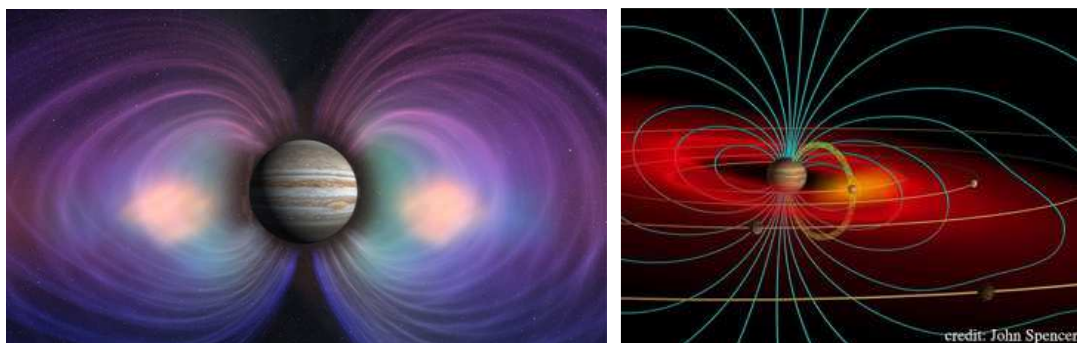
The first problems for theory of geophysics arose in the late 19th century. It appeared that statistically here are earthquake „seasons” dependent on the solar and lunar position - but not in regions near to the equator.

In 1920, the Serbian scientist Milutin Milankovic published an astronomical climate theory, which appears to be working - without a known mechanism.

Milankovic's theory can be easily explained by the emmission of energy of spinning celestial bodies at the equatorial level. That's why, as we will see further, climate disasters are not able to cross equator.



Milankovitch cycles of glaciation. Modified UCAR picture.



Jupiter's field. Planetary scientists „knew” exactly, that field must be magnetic- with appropriate lines of force etc. I they do not knew that beforehand, will this pictures appear to suffer from prejudice?

TROUBLES WITH THE „GEOMAGNETIC” FIELD BEGIN

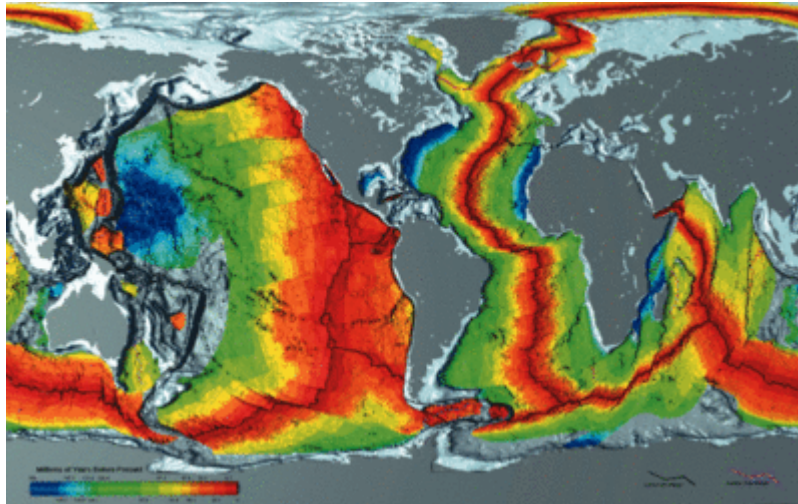
The simple theory that explains the geomagnetic field with the rotation of Earth's iron core crashed in 1934, when Thomas Cowling mathematically showed that this is impossible. We cannot overestimate this finding as a challenge to mainstream physics. It has only become more significant over years.

ENTER THE SUN

1934 was a time of discovery of different, sometimes weird correlations between terrestrial matters and solar activity. In the same year, Bartels summarised data about the influence of the solar rotation period on „geomagnetism”. After World War II, the German scientist Bortels proposed a hypothesis of „climatic radiation”.

PLATE TECTONICS AS NONSENSE

Soon after geophysicists coined the continental drift theory, it became evident that it contains mechanical and geological impossibilities. The expanding Earth theory looks better - but is perhaps too frightening for the establishment.



Age of the seacrust, inferred from magnetic polarity. Red areas are youngest, caused by mid-ocean ridges creating new seacrust.

THE PLANETARY GREENHOUSE THEORY AS AN *IDEE FIXE*

This story begins with Venus. While investigating the dramatic history of solar system, the great catastrophist Velikovsky predicted that due to prehistoric collision Venus should be hot. Contemporary scientists mainly suggested a surface temperature of Venus around that of the Earth. When the *Mariner 2* spacecraft confirmed that Venus is hot, Carl Sagan came up with the Venus „greenhouse theory” - an *ad hoc* idea for saving face of the flawed planetary science. This nonsense seems to excite other daydreamers. For instance, we can read that „by the late 1970s, NASA climate modeler James Hansen stated confidently that the sulfates together with CO₂ "are responsible for the basic climatic state on Venus."” Finally the website concludes, however: „it turned out that the greenhouse effect of sulfate clouds reflecting heat back to the surface of Venus was outweighed by cooling due to their reflection of incoming sunlight”.



Carl Sagan with Immanuel Velikovsky at the 1974 AAAS debate. Photo by David Morrison.

TERRIBLE MESSAGES FROM THE PAST

The interdisciplinary studies of Velikovsky contain notes on considerably larger climatic disasters than present. These messages can perhaps best be understood within a sort of „torsion” theory or viewpoint, which allows for underestimated effects from electro-

magnetism. Mircea Eliade's „Cosmos and History” was also fearsome, but provided less details and received less media coverage.

CLIMATOLOGY TURNS HAOTIC

With the accumulation of statistics, climatology had to explain why, for example, the losses of the US from storms in the Atlantic (in comparable prices) fluctuate so dramatically between years:

1909 \$ 75 million
1910 \$ 1.25 million
1911 \$ 3 million
1912 \$ 0.067 million
1913 \$ 4 million

1971 \$ 213 million
1972 \$ 2100 million
1973 \$ 18 million
1974 \$ 1970 million
1975 \$ 100 million.

Climatologists were not able to do that, so they have needed chaos theory. Back in 1963, Lorenz, the proposer of chaos theory, was not so far from the truth when he used a hydrodynamic analogy for chaos. And, more interestingly, the aerodynamic effects from a flap of a butterfly's wings and a tornado both pertain to vortex phenomena. Lorenz also left us the following enigmatic words: „the dynamical properties of the tropical atmosphere differ considerably from those of the atmosphere in temperate and polar latitudes. It is almost as if the tropical atmosphere were a different fluid. It seems entirely possible that an error might be able to spread many thousands of miles within the temperate latitudes of either hemisphere, while yet being unable to cross the equator”.

The hottest places on the Earth are not on the equator, however. Nor are the main regions of natural disasters. Nor - for comparison - are the sunspot forming maxima on the Sun's equator.

MOUNTING PROBLEMS WITH PLANETARY MAGNETIC FIELDS

The first relevant discovery no-one wondered about came with the space age. A weak „geomagnetic” field goes stronger with distance. Venus possesses just about no „magnetism”, Jupiter's „magnetism” is huge, Saturn's – considerably weaker. The „magnetic” fields of Uranus and Neptune are tilted around 60° away from the planet's spin axis. Forty years later, the geophysicist Bruce Buffett admits: “I would claim that the models are very far from being realistic, and therefore the inferences we draw from them about the Earth are going to be questionable... The irony of these models is that in spite of starting out with parameters that are clearly off, such as viscosity and thermal diffusivity, they are still able to reproduce features such the Earth's observable magnetic field. The general notion is that the parameters are wrong, but if you get them wrong in the right proportions, everything works out. I'm not so optimistic about that”.

I SEE A BAD MOON RISING

As lunar effects were *taboo* both for capitalists and communists, it was a musician, John Fogerty, who had to refer the progress of geophysics in this field to the general public.

THE MIGHTY SOLAR ACTIVITY

Here are geophysical effects that should not exist:

- 1)the influence of solar activity on Earth's revolution speed and
- 2)the correlation of solar activity maxima with increase of seismic and volcanic activities in

the compression zone of Earth and at the same time a decrease in activity in the tension zones of Earth.

THE PHYSICAL BACKGROUND OF FESTIVITIES

One may wonder why ancients showed such attention to equinoctial festivities, which are not easy detectable by measuring the length of day. Statistics show, however, that equinoxes strongly affect geophysics and even satellite security. The effect here comes from the mutual position of the spin axis of the Sun and the Earth.

NOT ALL THINGS MEASURABLE WITH AN INFRARED METER RADIATE INFRARED

A shock for the system. That's why scientists cannot explain the existence of ice on Mercury or heating of North Pole, for example.

HELP! HE IS BACK!

This outcry of a blogger was about the rise of Lamarck and fall of Darwin in connection with epigenetics. It is the same story, however, with the rise of importance of DesCartes' vortices in different branches of science. Vincent Wee-Foo recently wrote a 6 cm thick and 3 kg heavy book about „Universal Vortical Singularity”.

CHAOS THEORY UNDER ATTACK

On the turn of the 20th and 21th century, several authors (Bricmont T., Holmes P.) showed that there in fact is no such thing as „chaos theory”.

STRANGE ICE AGE

Each Latvian schoolchild has been told that „once upon a time, the ice came from north, from Scandinavia...” The oddities of this event begin with the fact that during Last Glacial Maximum (LGM) some two hundred kilometers east and south of the Latvian border there was no Ice age at all (also in the larger part of Siberia, where a sort of Ice age is observable

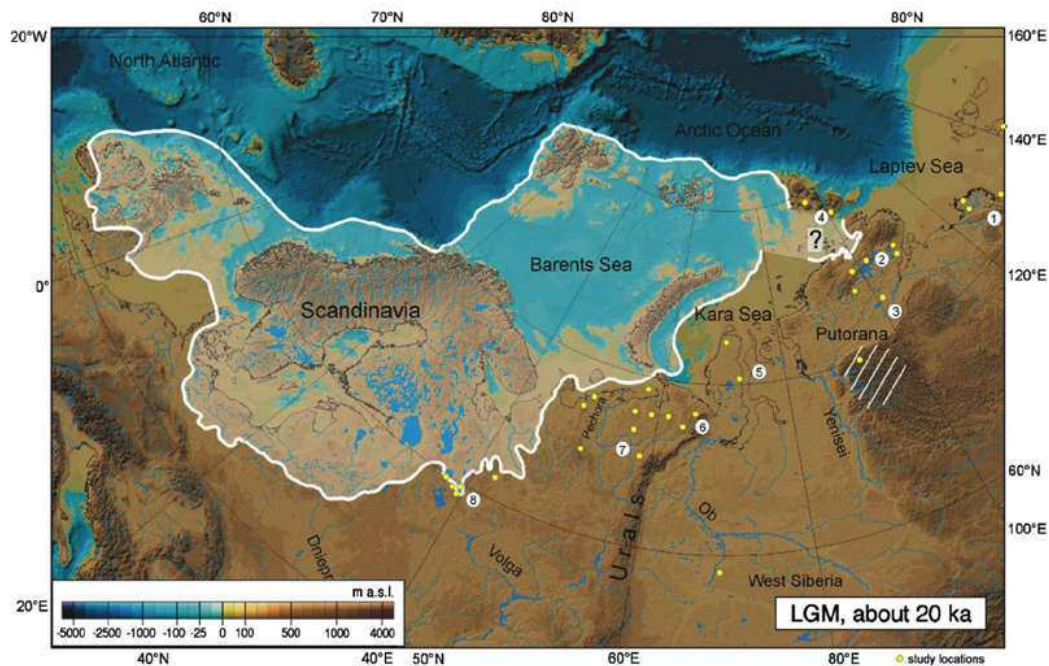


Fig. 1. Map showing the LGM Eurasian Ice Sheet according to Svendsen et al. (2004b), with the numbered working areas described in the text. (1) Laptev Sea Coast and Bykovsky Peninsula, (2) Central Taymyr Peninsula, (3) SE Taymyr Peninsula, Labaz Lake Region, (4) Severnaya Zemlya Archipelago, (5) West Siberia and Yamal Peninsula, (6) Ural Mountains, (7) Pechora Lowland, and (8) NW Russian Plain.

now in form of permafrost). Myths gave us an interesting mechanism for the beginning for

this strange Ice Age – a blizzard that continued for years. All this looks more like acute Earth's radiation deficiency with a temporary stopping of mantle turbulence below the region.

WHEN VORTICES OF HELL AND HEAVEN DO UNITE...

The most simple illustration of the proposed connection is perhaps the coincidence of earthquakes and hurricanes. Thinking in a line with the idea that liquid might be aether in liquid form, we have in our analysis liquids with different density - space medium, atmosphere, hydrosphere and the liquid components of Earth's interior. In the author's worldview, the turbulence of Earth's mantle should be able to distantly heat the hydrosphere. As a result, large oceanic rivers appear as a combination of effects from 1) the turbulence of Earth's mantle, 2) the rotation of the Earth, 3) winds, 4) perhaps the „4th phase of water” concept.

FAST TURBULENCE OF THE EARTH'S MANTLE?

Do we understand Earth's interior correctly? Hardly. It will be useful to look back on how wrong theories have influenced the interpretation of geophysical data.

THE ANCIENTS KNEW SOMETHING ABOUT ALL THIS

The traditional concept of the World Tree in several cultures shows a mythical tree with roots in the underworld and the top - in heaven. Latvian tradition identifies roots of the World Tree with copper, branches with gold, and leaves with silver. Essentially the same construction can be seen in *Monas Hieroglyphica* by John Dee (1564): from bottom to top - fire, four elements, Sun, Moon. Since copper items are sometimes advised for protection from „Earth radiation”, the system looks intriguing.

MAKING CLIMATOLOGY A SCIENCE

Situation here is just the same as it was in the 19th century, when FitzRoy introduced 1) a system of observations of weather conditions and 2) the *stormglass* as a detector of changes in a stream of „climatic radiation”. We also need a system of observation for phenomena outside of the understanding of mainstream physics and appropriate instruments first. I can agree with Poincaré, which in 1909 explained „unpredictability” of climatic phenomena simply with not sufficiently comprehensive and sufficiently precise geophysical observations...

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*- a personal opinion

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