

Yuri Dunaev

Ukraine, Kyiv

dunaev.levitski@gmail.com

NATURE OF MAGNETISM. MAGNETISM OF ASTRONOMIC BODIES, PARTICULARLY EARTH

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Key words

Magnetism, magnetism of Earth, magnetism of Jupiter, solar magnetism, magnetic pole, compas

The Summary

Magnetism arises in case of creation in gaseous ether of whirls that by one end attract and by the other one repel neighboring matter particles. Ethereal whirls arise in case of motion relative to ether of baryon matter particles (e.g. atmospheric particles) or electrons (e.g. of electric current). Ethereal whirls arise as a rule within whirls of real gases (e.g. of atmospheric air) and retain their orientation. Mars and Mercury are not magnetic because they lack atmospheres. Venus is devoid of noticeable magnetism due to lack of daily rotation. Magnetism of Earth is consequence of its daily rotation. Physical nature of terrestrial magnetism hides itself in myriads of microscopic magnets that embody myriads ethereal whirls, created by skating of terrestrial atmosphere upon cosmic ether while daily rotating of the Earth. The said microscopic magnets mostly are oriented parallel to the terrestrial daily rotation axe. Therefore in the magnet coordinate system magnetic force lines are elongated parallel to the atmospheric whirls. In geographic coordinate system the microscopic magnets mostly are inclined relative their position in the magnet coordinate system at the angle of $22,4^\circ$ and are directed to the marked on maps terrestrial magnetic poles.

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In my article [1] there was noticed that the Universe is built with atomic-molecular (baryon) matter, electron-sphere composed with free electrons and gaseous ether that fills all space unoccupied by baryon and electron-sphere particles.

Beginning the proposed article I want to attract the estimated reader's attention to an example contained in one of my late articles [2]. The example is about formation of

magnetic field around conductor 1 through which runs an electric current that manifests itself as rotation about the conductor's longitudinal axis of electronic cloud 2.

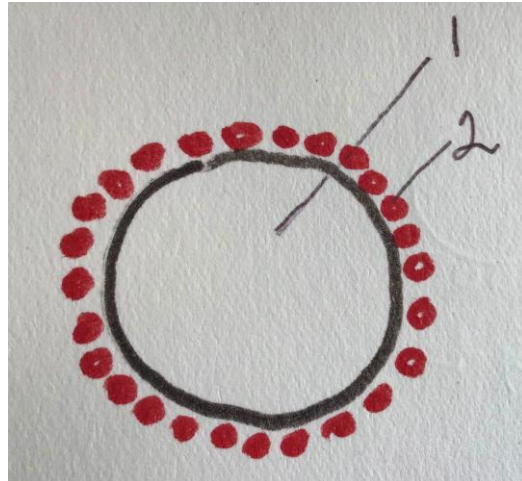


Fig.1

As the example shows the rotational motion of the electronic cloud attracts to motion neighboring masses of ethereal gas, which accompanies by creation of ethereal whirls that as I could see are micro magnets with cores elongated along the rotation axes of respective whirls and polarity determined by their rotation direction.

One can assume that these super microscopic magnets while being close to one another in some way sum up and those imaginary magnetic power lines known from school manuals can be regarded as product of summarizing of nearby micro magnets.

As to my mind and this mind I believe to be absolutely new ethereal whirls form themselves resulting not only by means of interacting with ether of highly fast electrons but also while interaction with it slower particles such as terrestrial atmospheric molecules or such of other astronomic bodies.

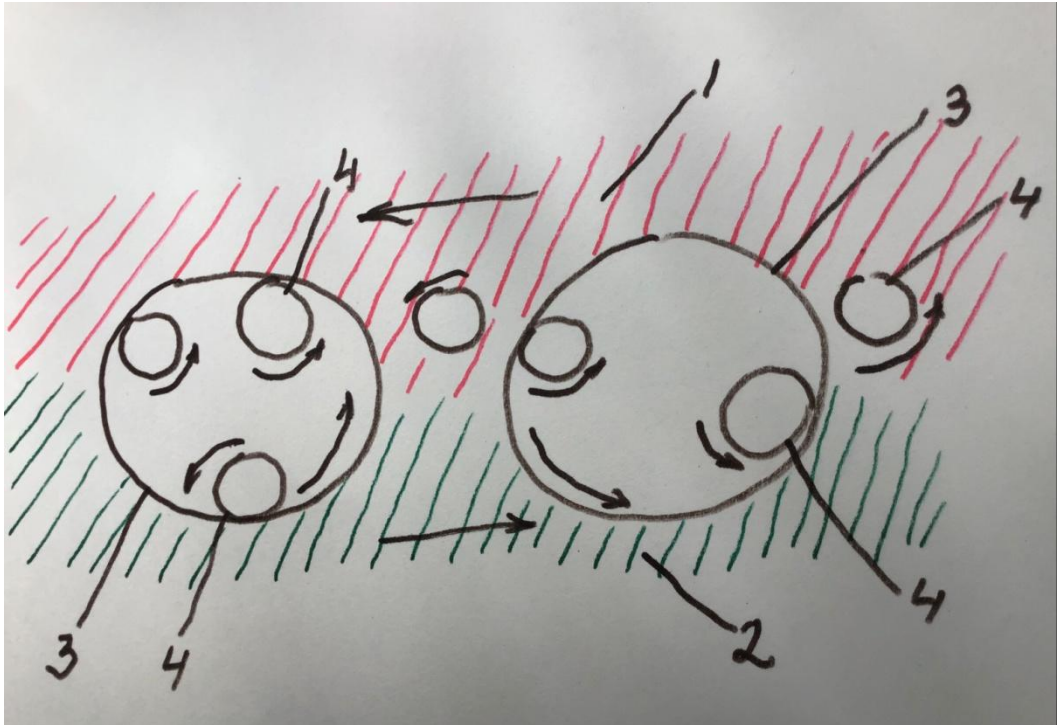


Fig.2

On fig.2 I, as I could, have depicted formation of ethereal whirls during motion of atmospheric air 1 relative still cosmic ether 2. Air's motion relative still cosmic ether 2 creates a resistive torque that transfers itself to air whirls 3 and from air whirls 3 to ethereal whirls 4. The rotation direction of the latter has to coincide with the rotation direction of air particles relative the cosmic ether 2 as well as ethereal whirls rotation direction determines the direction of the so formed microscopic magnets, such magnets being as well capable to form themselves without intermediary of the said atmospheric whirls. It's obvious that the magnets direction of action has to be perpendicular to that of the atmospheres. During rotation around their own axes of massive astronomic bodies as Earth, Jupiter or the Sun myriads of super microscopic magnets sum themselves up forming magnetic structures of colossal, in case of Jupiter and the Sun, intensity.

From the above related it becomes clear that in order to form magnetic fields astronomic bodies need substantial atmospheres and relative motion of these atmospheres and cosmic elonosphere.

Mercury and Mars do not comply to these demands due to lack of atmospheres. Venus does not comply due to practical absence of daily rotation.

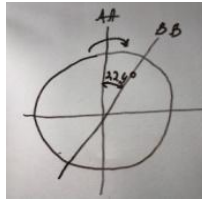


Fig.3

Fig.3 is a representation of the terrestrial sphere on which one can see the axe of its yearly rotation AA that is perpendicular to the plain of Galactic. The crossing points of terrestrial surface and the axe AA are geographical poles of the Earth in geographical coordinative system with its equator, parallels and meridians. However daily rotation of the Earth occurs around its axe of daily rotation BB inclined to the axe AA by $22,4^\circ$. Axe BB crosses the terrestrial surface in points that are its north and south magnetic poles in the magnetic coordinative system that also has its equator, parallels and meridians. Due to daily rotation the terrestrial atmosphere slides upon still cosmic ether creating atmospheric whirls 3 and ethereal whirls 4 (see fig.2), which as it was showed earlier are micro-magnets oriented perpendicular to the atmosphere rotation direction that is parallel to the axe BB.

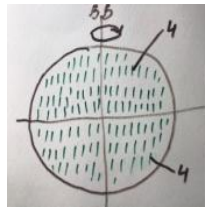


Fig.4

Fig.4 represents the terrestrial sphere in magnetic coordinative system. On the sphere's surface there are more or less uniformly scattered micro-magnets 4 parallel toherotation axe BB and directed to one of the magnetic poles.

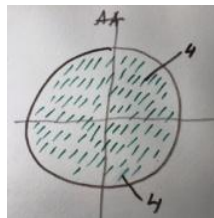


Fig.5

The same sphere with the same micro-magnets we could contemplate in geographic coordinative system (fig.5) if we incline the image of fig.4 by $22,4^\circ$ obtaining in such way the textbook image of the magnetic field of the Earth.

Conclusions:

- 1) Magnetism arises in case of creation in gaseous ether of whirls that by one end attract and by the other one repel neighboring matter particles;
- 2) Ethereal whirls arise in case of motion relative to ether of baryon matter particles (e.g. atmospheric particles) or electrons (e.g. of electric current);
- 3) Ethereal whirls arise as a rule within whirls of real gases (e.g. of atmospheric air) and retain their orientation;
- 4) Mars and Mercury are not magnetic because they lack atmospheres;
- 5) Venus is devoid of noticeable magnetism due to lack of daily rotation;
- 6) Magnetism of Earth is consequence of its daily rotation;
- 7) Physical nature of terrestrial magnetism hides itself in myriads microscope magnets that embody myriads ethereal whirls, created by skating of terrestrial atmosphere upon cosmic ether while daily rotating of Earth;
- 8) The said microscope magnets mostly are oriented parallel to the terrestrial daily rotation axe. Therefore in the magnet coordinate system magnetic force lines are elongated parallel to the atmospheric whirls:

In geographic coordinate system the microscope magnets mostly are inclined relative their position in the magnet coordinate system at the angle of $22,4^\circ$ and are directed to the marked on cartes terrestrial magnetic poles.

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