

Geological aspects of cold fusion.

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Geological substantiation of cold fusion processes in the Earth crust related to the concretion model of Planet Earth. The Earth is generator and the core is the rotor consisting of rotating gas and dust cloud (fireball) starting the moment of building up (Big Bang) of the Earth. Rotation of geospheres from the core (20-40 m/sec) up to the surface crust (2-16 cm./year) brings to friction and generator of static electricity accumulates within lithosphere and electrical condensation. Electrical charges' over saturation lead to the electrical discharges in the crust. Because of electrical discharges the plasma in a view of ball or line lighting is generated and ball and cylinder concretions in the crust are generated from them. The plasma is charged (maintained) in the mantle and core because of subduction of continental crust which consisted from rocks and organic sediments. The formation of mineral resources in the crust related to the electrical discharges which brought to the cold fusion processes within the earth crust (CF). This can be visually seen by extracting the oil from the soda ash dissolution. Because of electrical charge in this solution the oil, coal and diamond parts were generated in this solution. The study of electrical charges in the solutions may provide us with a lot of useful information on transformation of one chemical element into the others. But Cold fusion processes as it is understandable by physicists cannot exist without gravitation and magnetic fields as it is in the earth conditions. Cold fusion cannot make energy as thermonuclear fusion. Formation of volcano and earthquakes related to these electrical charges in the crust. Cold fusion processes are noticed in them.

In order to create natural cold fusion process the model of Planet Earth shall be made. These kind of models were made by some surveyors <http://www.nature.com/news/dynamo-maker-ready-to-roll-1.9582>, but they created the rotation of geospheres by mechanical drive. Our model will be created at the basis of fireball rotating. This fireball will be created in the special reactor which is placed into the stator of electric motor instead of rotor. High-voltage spark-gaps and solution similar to the mineral composition of formational conditions and fireball concretion are placed in the reactor. Tension is appears in the stator in time of electric discharges. At present time the constant rotation in the reactor is not reached because there are not all conditions in place for making this experiment, but all geological features are available.

Figure 1. Spherical concretions and ball lightning, the main participants of the new energy.