Fast sublithospheric currents- an overlooked cause of biospheric extinctions?

Edgars Alksnis
e1alksnis@gmail.com

In vortical world, direct exposure to "torsion" radiation from turbulent melted rocks should be dangerous.

Geology today is said to go trough the paradigm shift. An outsider's look to process however shows that geological theories in the past often had been problematic and science peacefully coexisted with this for decades. Than, illogically sharp paradigm shifts follow, which produce next doubtful theory. Thus geosynclinal concept of mountain formation allowed movement of Earth's crust only along to Z-axis. Way of obtaining Earth's density in the line of Newton and Cavendish has not been seriously questioned until recent (Mathis, Alksnis, 2018), so it was „clear" for all, that Earth should have large iron core- and indications, that part of Earth's interior could be liquid, are explained also with help of liquid methal.

Influental seismologist G.W.Walker warned in 1913, that „*it has sometimes been asserted that S never reaches beyond a certain distance, and to explain this an impenetrable core of the earth has been assumed. We see that no such hypothesis is at all necessary to explain the observations*" (Oldham, 1914) but nobody wants to hear- mainly due to hypnotic effect of wrong estimation of Earth's density.

Concept of continental drift had geological and paleonthological background, bet despite this had been ridiculed for decades. Finally it has been accepted in combination with sea floor spreading to become plate tectonics. This however demands that one lithospheric plate should be able to slide below another. Latter phenomenon has no strong proof still, as Expanding Earth people had shown several times. Next concept- isostasy had left „gravitationally unbalanced regions" question open.

In the same vein, Korenaga and Jordan in 2002 (!) tells colleagues, that astenosphere (region of upper mantle) should be dynamic and convective, unlike the dominant paradigm suggests. Mantle plume concept arose from necessity to explain several dynamic properties of Earth interior, connected with volcanism- however, it looks no better than geosynclinal theory in comparison (cf. Foulger and Natland, 2005). Plate tectonics could not explain fast mountain building, what follows from petrological record. All this is influenced from troubles in planetary heating theory.

Story of sublithospheric currents somewhat remind that of continental drift. Proposed early by Ampferer and Schwinner (Wegener, 2005), mentioned currents concept were further elaborated by Meinesz. Attitude against this had been cautious. First, scientists had not pushed idea hard because it was time, when mobilism theories were ridiculed. Second- work of Meinesz uncovered problems in gravitation theory (now explained by Mathis (2010) along the initial line of Newton).

Thus sublithospheric currents likely was used as certain supplement for static Earth's interior (cf. Weijermars, 1985; Vigny et al, 1991; Sjöberg, 2009; Kutasov et al, 2014; Bercovici et al, 2015; Eshagh and Romeshkani, 2015; Eshagh, 2018, Eshagh et al, 2018) within, in fact, dominant fixist approach of current geology (Earth's mantle convection speed is thought to be only some 5cm per year, for example).

Recent news from celestial mechanics, that 1) Newton's approach to calculation of Earth's mass is wrong and Earth's density could be around 4.0 and 2) Earth's mantle should be with relative low viscosity which allow effective turbulence (Alksnis, 2018A), puts the name of Meinesz as high as that of Wegener.

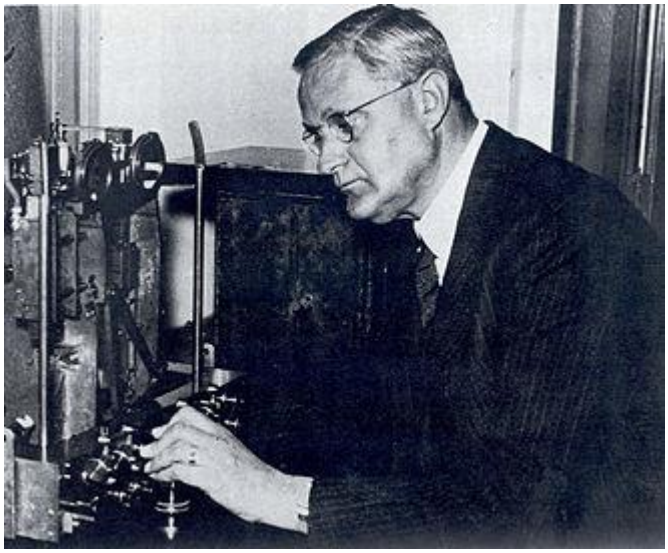

Fig.1 Felix Andries Vening Meinesz (1887-1966).

It was interesting to see, can we single out influences from turbulent Earth's interior to biosphere to shed some ligth to other mystery- that of mass extinctions. Besides action of water and fire here are some points without proper explanation still.

As first example to understand here undoubtedly stand case of extinction of Siberian mammoths.

Fig.2 Discovery of Berezovka mammoth remains in 1901.

Science is not able to understand how animals were killed, how they could be frozen without applying extreme temperatures and why vegetation, found in their stomachs, now is growing hundreds of kilometers south from remains of bodies. Hypotheses of suffocation or electroshock had been created, but they have deficiencies. Some details show, that „torsion" radiation from fast mantle turbulence, which coagulate blood of mammoths, could be the right answer. From coincidence of earthquakes and hurricanes we know, that disturbances in underworld causes similar ones in atmosphere. Charles Hapgood mentioned powerful storm, which literally pulls smaller animals to pieces, so only havier mammoths and wooly rhinoceros are preserved.

Repeating mythological motif about humans, which become wicked before God punished them, also calls for reconsidering.

References

Alksnis E. (2018) Astronomers do not know, how to calculate masses. *viXra*

Alksnis E. (2018A) Global atmospheric circulation in light of liquid turbulent Earth interior idea. *viXra*

Bercovici D. et al (2015) The Generation of Plate Tectonics from Mantle Dynamics. *Treatise on Geophysics*, 271-318. *Elsevier*.

Eshag M., Romeshkani M. (2015) Determination of sub-lithospheric stress due to mantle convection using GOCE gradiometric data over Iran. *Journal of Applied Geophysics*, **122**.

Eshagh M. (2018) Elastic thickness determination based on Vening Meinesz–Moritz and flexural theories of isostasy**.** *Geophysical Journal International***, 213,** 1682–1692.

Eshagh et al (2018A) Comparison of gravimetric and mantle flow solutions for sub-lithospheric stress modelling and their combination. *Geophysical Journal International* **213**,

Foulger G. Natland J. (2005) Plates, Plumes, and Paradigms. GSA

Korenaga J., Jordan T. (2002) On the state of sublithospheric upper mantle beneath a supercontinent. *Geophys. J. Int.* **149,** 179–189.

Kutasov I. et al (2014) The Thermal Field of the Earth. *Applied Geothermics*, 1-98

Mathis M. *The Cavendish Experiment.* Internet

Mathis M. (2010) The Un-Unified field and other problems. *Author House*.

Oldham R. (1914) The Constitution of the Interior of the Earth as Revealed by Earthquakes. *Nature* **92**, 684–685.

Sjöberg L. (2009**)** Solving Vening Meinesz-Moritz inverse problem in isostasy. *Geophysical Journal International*, **179**, 1527–1536.

Vigny C. Et al (1991) The driving mechanism of plate tectonics. *Tectonophysics*, **187**, 345.

Weijermars R. (1985) In search for a relationship between harmonic resolutions of the geoid, convective stress patterns and tectonics in the lithosphere: a possible explanation for the Betic-Rif orocline. (1985) *Physics of the Earth and Planetary Interiors*, **37**, 135-148.

Wegener A. (2005) *Die Entstehung der Kontinente und Ozeane.* Borntraeger.