

Mechanism causing earthquakes and volcanoes' eruptions

Tadeusz Tumalski

Private researcher

Tadeusz.Tumalski@plock.com

Abstract General assertion that the global water level on our planet raises seems to be inexact. Next to the places on Earth where the level of the water in the oceans raises, there are places where it clearly decreases. Here three significant examples: - when Anders Celsius was the director of the astronomical observatory in Uppsala, he marked the level of water in the Baltic Sea on a neighboring rock. Nowadays, 260 years later, the level of water in Baltic is few meters lower than in times of Celsius. - similarly as in Scandinavia, the water level on Greenland and Iceland decreased by few meters during the last 200 years. - in the region of Philippines, New Guinea and Australia the ocean water decreased by more than 10 meters during the last 200 years. The "post-glacial hypothesis" can't explain the decrease of the water level in the equator zone. The increase of the water level in places such as: - eastern Africa - Caribbean Sea - Maryland in USA and decrease of the water level in other places is a clear proof for that the reason of those changes of the water level can only be the west drift of the Earth crust's deformations that are shown on the 'gravity models'. Water in oceans and seas flows from those places on Earth which rise to those which drop, on the principle of equalizing the hydrostatic level. See thereto article: "INNER DYNAMICS OF THE EARTH" presented on the XXVI General Assembly of the European Geophysical Society; 25 - 30 March 200, Nice. <http://www.copernicus.org/EGS/egsga/nice01/programme/abstracts/aai0569.pdf> The west drift of the Earth's crust deformations has been for millions of years now the reason of the continental drift and most of the tectonic processes of our planet. One of many proofs for that is the way that Greenland drifted from the tropics to the Arctic region. On the basis of the here presented model of the plate tectonics, in 1997 there was prognosis of the oncoming eruption of the volcano Popocatepetl in Mexico and the following 'Cascade Volcanoes' and earthquakes in the western states of USA. The eruption of the volcano Popocatepetl started on December 14th, 2000. Still during the eruption of Popocatepetl, on 20th December 2000 nearby the volcano Mount Shasta (Burney, Ca.) there was registered a series of 25 earthquakes. The most intensive tectonic activity is presently registered in the areas of the Indian Ocean and Central America, i.e. exactly where the biggest deformations and tensions of the Earth crust drift. Because the Earth crust's deformations drift with the velocity of 0.6 deg/year, for the better prognosis of the earthquakes and volcanoes' eruptions it is necessary to reject the old data in the gravimetrical calculations and create picture of Earth's surface from the satellite data not older than 5 years. The old satellite data blur the picture of Earth's surface, just as too long exposure time of a photograph.