

Comments on the Hypothesis Presented by P. TRURNIT

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The gravitational force of the Moon which cause the Pacific (i.e. Tethys) to move once every 220-250Mill. a around the Earth is of extreme importance to understand the spatial distribution of all mesozoic-cenozoic orogenic belts on Earth and their dynamics (TRURNIT-cycle):

+) The distribution and dynamics of these mountain ranges can not be explained by "classic" plate tectonics (i.e. WILSON-cycle) alone.

+) The same is true with respect to the ocean types on Earth: The differences between the N-S trending oceans of Atlantic type (Atlantic, central Indic, eastern Pacific) and the western Pacific require an explanation.

+) A similar question arises with respect to the spatial distribution of passive continental margins versus active continental margins of the eastern Pacific and those of the western Pacific, a type of its own.

+) Of special interest is the question along which latitudes the gravitational forces of the Moon are equalized by internal forces of the Earth: On the northern hemisphere appr. between 60° - 70° Lat, indicated by bending of the Rocky Mountains in Alaska, bending of Ural-Novaya Zemlya mountain range, and the geogr. position of Iceland. On the southern hemisphere appr. between -50° / -60° Lat, indicated by the Scotia Plate and its surroundings and by the bend of the Macquarie Ridge.

+) Moreover, planetologists speculate whether the gravitational forces of the Moon stabilize the axis of rotation of the Earth. It can not be ruled out that the facts described above mirror that stabilizing effect.

Hence, A. WEGENER unveiled but one side of the "coin", its terrestrial side; P.TRURNIT made us aware of its second side which is of extraterrestrial origin!