

New Concepts in Global Tectonics

NEWSLETTER

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Bathymetry of various lineaments in the north-central Pacific basin belies any attempt at any sort of mobilism. The same holds true for trying to unravel the Cretaceous Magnetic Quiet Zone. Any organized pattern would immediately be called to question simply because of the various lineaments within the same region.	
Plausible cause of enhanced volcanisms, <i>Natalya D. KUZNETSOVA</i> and <i>Vladimir V. KUZNETSOV</i>	22
An apparent correlation exists between volcanic activity and geomagnetic field excursions. The process inside the Earth core is responsible for the excursions. It is initiated by excess pressure (propagated from the core-mantle boundary and relaxes in the lithosphere) and generates the lithospheric plasto-elastic (viscous-elastic) deformation, which results in enhanced volcanic activity: The longer the excursion, the greater the time delay in volcanism and its activity.	
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This paper appraised the cycle in relation to several other US states, with 9/56 year seismic patterns being established for Arizona, Maryland, New York, Ohio, Oklahoma and so forth. Post 1600 earthquakes in Peru and the Philippines were also tested for a 9/56 year trend.	
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The morphotectonic base of the Japanese Islands is not a chaotic collage of terranes, but rather a consolidated system of Cretaceous/Paleogene central-type orogenic uplifts that are evolving in an inherited manner with superimposed Late Cenozoic magmatic, block, and fault structures. The Japanese Islands contain an abundance of circular structures of varying ranks and ages, indicating the essential control of deep-seated faults and of the magmatic factor in the structure and evolution of the region.	
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Whether to predict an earthquake or not is the main question. The best way would be to bring together earthquake researchers, legal luminaries, administrators, disaster managers, etc. and try to find out a viable solution which would help save human lives. The solution would be such that it would save people or help save people during an earthquake, and no researcher would be prosecuted or penalized. Remember, earthquake prediction can be powerfully wrong or powerfully right.	
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