

## **STATISTICAL DATA ANALYSIS OF THE DISTRIBUTION OF VOLCANICS IN THE WORLD OCEAN.**

Marova N.A. Institute of Oceanology, Moscow, Russia

The morphological data for more than 6,300 volcanic seamounts exceeding 1 km in height on the oceanic lithosphere of the World Ocean were summarized and thoroughly analysed. Peculiarities in the seamounts distribution depending on the lithospheric age and geographical location were revealed. This involves the calculated densities of the seamounts distribution in the regions of different geological ages, volumes of volcanics, distribution by heights, and some other characteristics which are related to the intensity of intraplate volcanic processes during geological history of the oceans. The results obtained testify for the different intensity of the processes of intraplate volcanism within the particular regions of the World Ocean both in space and time, that reflects specific features of the tectonic history of each ocean.