

**NEW OCCURENCES OF THE HIGH-PRESSURE
MINERALS OF THE VORONEZH ANTECLISE
SEDIMENTARY MANTLE - IMPLICATION FOR
THE DIAMOND HOST SOURCES DISCOVERY**

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Fourteen new one cubic meter in volume so called «basic prills» are grabbed from the different points, placed evenly within the Voronezh anteklise area. The Cretaceous and Paleogene sands of the large sedimentary rhythms basal beds are studied. The high-pressure minerals - diamond satellites being extracted after the special treatments are pyropes, microilmenites, chrome-spinelides as well as diamonds themselves. The x-ray micro-sensing let differ among them the grains corresponding to the diamond-bearing kimberlites mineral associations. It enhances the perspectives of the Voronezh anteklise for the host diamondiferous rocks discovery.