

НОВЫЕ ДАННЫЕ О РУДАХ

**NEW DATA ON ORES FROM THE GOLD-POLYMETALLIC
OSTANTSOVOYE MINERAL DEPOSIT, CENTRAL KAMCHATKA**

V.M. Okrugin, K.O. Shishkanova

Institution of Volcanology and Seismology FEB RAS, Petropavlovsk-Kamchatsky, Russia

The paper presents new data on mineral and chemical structures, textural features, and absolute age of ores from the hydrothermal gold-polymetallic Ostantsovoye deposit located in the Central Kamchatka mining area. The chemical composition of such major ore minerals as sphalerite, pyrite, galena, tetrahedrite-tennantite was studied. Occurrence forms of zinc, lead, copper, silver, iron, manganese, cadmium, arsenic, and antimony were revealed. Tipomorphic features of sphalerite were characterized. Temperature and composition of ore-forming solutions were estimated using a method of fluid inclusion studies.

Keywords: Ostantsovoe, Kamchatka, gold, absolute age, genesis sphalerite, tetrahedrite-tennantite.