

NEW MINERALS OF PGE IN BLACK SHALE COMPLEXES OF TIMSKY TYPE (KMA)

N.M. Chernyshov, V.G. Moiseenko, V.V. Abramov

Globally spread high-carbonaceous stratified formations are one of the most promising non-traditional sources of precious metals in the XXI century. Within Voronezh crystalline massif black shale thicknesses of Oskolskaya series (Timsky type of metallization) are the most promising ones. In the result of conducted investigations ruteniridosmine, ruthenosmiridium, sperrylite and irarsite were discovered in carbonaceous shales of Tim sub suite for the first time. The list of ore minerals of gold-platinometal metallization of Timsky type has been broadened considerably, that is of decisive significance in working out a complex approach to the problem of technology of precious metals extraction from KMA black shales.