# PECULIARITIES OF COMPOSITION OF THE AMPHIBOLES OF ORE-BEARING DYKES OF SULFIDE PLATINOID-COPPER-NICKEL DEPOSITS OF VCM (THE CENTRAL RUSSIA)

*M.N. Chernyshova*

Essential distinctions in distribution and composition of the amphiboles of dyke rocks of the Mamon and Elan types of deposits are established. For the first type: a wide development of ordinary (green and brown) hornblende (f = 25–32 mol %); the belonging to common hornblende - edenite-ferroedenite - cannilloite (± tremolite-ferroactinolite) series and to titanium variety of edenite-ferroedenite - pargasite-ferrohastingsite series; the lower content of $SiO_2$, the higher content of $TiO_2$, $Al_2O_3$, the low content of Ni, Zn. For the dyke rocks of the Elan type of the deposits: the limited development (hornblende gabbro) of the green and green-brown hornblende of common hornblende - edeniteferroedenite - tremolite-ferroactinolite series (f = 14–20 mol %); the surplus of Si and deficit of Al in the anion group; the enrichment in Ni, Cr, Co, Zn.

The belonging of amphiboles to different types and series distinctly manifests itself in the content of Ni, Cu, Co, PGE and compositions of ore mineral paragenesia of dyke formations.