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**PROCEEDINGS OF HIGHER EDUCATIONAL ESTABLISHMENTS
GEOLOGY AND EXPLORATION
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ABSTRACTS

Lisov V. I. New act «About education in Russian Federation» and improvement of the activity of EMO's of applied geology.

Korchuganova N.I. Quaternary structural plan and latitude zonation of Western Siberian plain.

On the basis of built structural-geomorphologic map of the Western Siberian plain, reflecting expressed in the relief newest structures of different amplitudes in their current boundaries, the model of neotectonic regioning has been proposed. Regions, zones of elevations and flexures, separated liftings and hollows have been detected. Neotectonic regions have been arranged in super-large segments of Earth's crust, exhibiting latitude zonation of Late Tertiary neotectonic structural plan, determined panregional processes. The concentric megastructures have been distinguished at the first time.

Key words: Western Siberian plain, Western Siberian plate, quaternary structural plan, neotectonic regioning, zones of elevations and flexures, arches, ramparts, lineaments, concentric megastructures, latitude zonation.

Korsakov A.K., Lukashenko S.V., Mezhelovsky A.D. The composition and structure of tokshinsk series of the Windy Belt (South-Eastern Baltic Shield).

On the territory of the mountain Dvoynaya within the greenstone structure of the Windy Belt (South-Eastern Baltic Shield) tectonic cleavage of quartzites of tokshinsk series, elements of folded tectonics have been established, the petrographic composition of the rocks of this series have been studied and protolites have been distinguished. The proposal of the conditions of Windy Belt genesis has been made.

Key words: Windy Belt, tokshinsk series, terrigenous rocks, cleavage, folding deformations, conditions of genesis, quartzites, quartz sandstones.

Avdonin V.V., Sergeeva N.E., Van K.V. Regularities in the growth of ferromanganese nodules of Clarion-Clipperton province (the Pacific Ocean).

The study of submicroscopic textures showed that ferromanganese nodules treated as a special type of ferromanganese oncoliths when growing at the oceanic bed interact intensely with the underlying sediment. The mechanisms of capturing large portions of sedimentary matter by nodule envelopes are revealed for the first time; and the assimilation of petrogenic components by elementary segregations of growing envelopes is proved.

Key words: ferromanganese nodules, oncoliths, petrogenic components, underlying sediment.

Nekrasov E.M., Dudkin N.V. The revision of faintly gold ore replacement rocks in order to increase the gold resources of large and largest deposits.

Taking into account the high price of gold (about 50 dollars per gram for 2010-2012 years), wide usage of cheap pit ore mining (to the heights of 500-700 m) and mastery of less-consuming methods of ore reprocessing and gold extraction, the revision of ore areas of some large (and largest) deposits is proposed. On the areas of such deposits it's possible to find significant gold sources (to 30-70 tones and more) in