

# CONTENTS

VOLUME 45

NUMBER 2

2004

## RUSSIAN GEOLOGY AND GEOPHYSICS

PAGES  
RUSSIAN/ENGLISH

High-resolution sedimentary record in a new BDP-99 core from Posol'sk Bank in Lake Baikal. E. Bezrukova, A. Bukharov, V. Bychinsky, S. Colman, S. Fedenya, A. Gvozdokov, V. Geletii, A. Goreglyad, I. Gorokhov, E. Ivanov, T. Kawai, G. Kalmychkov, E. Karabanov, E. Kerber, B. Khakhaev, M. Khomutova, G. Khursevich, V. Kochukov, V. Kravchinsky, M. Krainov, S. Krapivina, N. Kudryashov, M. Kuz'min, N. Kulagina, P. Letunova, O. Levina, L. Pevzner, A. Prokopenko, C. Scholz, P. Solotchin, L. Tkachenko, D. Williams . . . . .	163	149
The Shutkhalai metamorphic complex, southeastern Sayans: specific features of metamorphism and a model of formation. T.V. Donskaya, E.V. Sklyarov, D.P. Gladkochub, A.M. Mazukabzov, and E.P. Vasil'ev . . . . .	194	175
Geodynamic position of Middle Paleozoic basite series of the Altai, exemplified by the Karaoyuk and Terehta complexes. V.A. Goverdovsky . . . . .	212	193
Chemical typomorphism of mineral surfaces: surface composition specifics ( <i>by the example of gold-bearing pyrite from epithermal deposit</i> ). V.L. Tauson and R.G. Kravtsova . . . . .	222	204
Carbonization of East Sayan ultrabasic rocks and Au-Pd-Pt mineralization. S.M. Zhmodik, A.G. Mironov, L.V. Agafonov, A.S. Zhmodik, A.L. Pavlov, T.N. Moroz, E.V. Airiyants, Yu.I. Kulikov, A.A. Borovikov, V.A. Ponomarchuk, and B.B. Damdinov . . . . .	228	210
Study of optically active centers in diamonds from Uralian placers: an attempt to locate their primary deposits. G.K. Khachatryan, N.N. Zinchuk, V.I. Koptil', G.A. Gurkina, and M.K. Kharrasov . . . . .	244	226
Geoelectrical surveys in the Ol'khon region: methods, results, and tectonic implications. N.O. Kozhevnikov, J. Bigalke, and O.K. Kozhevnikov . . . . .	253	235
Linearization of relative parameters of a high-frequency magnetic field in two-dimensional conducting media. M.I. Epov and V.N. Glinskikh . . . . .	266	247
$C_s/C_p$ in sands and clays as a function of microstructure and wave amplitude. E.B. Sibiriyakov . . . . .	275	258
<i>BRIEF COMMUNICATIONS</i>		
The age of Late Mesozoic volcanogenic rocks of northern Transbaikalia ( <i>estimated by the <math>^{40}\text{Ar}/^{39}\text{Ar}</math> method</i> ). F.M. Stupak and A.V. Travin . . . . .	280	263