

CONTENTS

The modern geological processes

DATA ON TOLBACHIK FISSURE ERUPTION IN FEBRUARY-MARCH 2013 <i>Savelyev D.P.</i>	7
LARGE $M_w = 6.8$ EARTHQUAKE ON FEBRUARY 28, 2013 NEAR SOUTHEAST COAST OF KAMCHATKA: DATA FROM ON-LINE PROCESSING <i>Chebrov V.N., Kugaenko Yu.A., Vikulina S.A., Droznina S.Ya., Ivanova E.I., Kravchenko N.M., Matveyenko E.A., Mityushkina S.V., Raevskaya A.A., Saltykov V.A., Chebrov D.V.</i>	9
DEEP $M_w = 8.3$ SEA OF OKHOTSK EARTHQUAKE ON MAY 24, 2013 – THE LARGEST EVENT EVER RECORDED NEAR KAMCHATKA PENINSULA FOR THE WHOLE PERIOD OF REGIONAL SEISMIC NETWORK OPERATION <i>Chebrov V.N., Kugaenko Yu.A., Vikulina S.A., Kravchenko N.M., Matveyenko E.A., Mityushkina S.V., Raevskaya A.A., Saltykov V.A., Chebrov D.V., Lander A.V.</i>	17

Results of the Scientific Researches

EOCENE MAGMATISM OF THE NORTHERN SEGMENT OF THE KRONOTSKY PALEOARC, KAMCHATKA MYS PENINSULA, KAMCHATKA <i>Tsukanov N.V.</i>	25
TYPOMORPHIC FEATURES OF GOLD FROM THE PLACER DEPOSITS OF THE 1ST OLKHOVAYA RIVER, KAMCHATSKY MYS, EAST KAMCHATKA <i>Sidorov E.G., Sandimirova E.I., Chubarov V.M., Anikin L.P., Ibragimova E.K., Antonov A.V.</i>	34
RELATIONS BETWEEN THE KIRGANIK AND KITILGIN HIGH-POTASSIUM VOLCANOPLUTONIC COMPLEXES IN KAMCHATKA <i>Fedorov P.I., Shantser A.E., Flerov G.B., Koloskov A.V., Ananiev V.V.</i>	44
NEW DATA ON ORES FROM THE GOLD-POLYMETALLIC OSTANTSOVOYE MINERAL DEPOSIT, CENTRAL KAMCHATKA <i>Okrugin V.M., Shishkanova K.O.</i>	53
THE IMPACT ON TREE VEGETATION ON MATUA ISLAND (THE KURILS, 2007) CAUSED BY GAS EMISSIONS FROM SARYCHEV PEAK VOLCANO <i>Grishin S.Yu.</i>	66
COMPLEX MODELING OF SUBMARINE VOLCANOES 2.7 AND 2.8, THE KURILE ISLAND ARC <i>Blokh V.I., Bondarenko Y.I., Dolgal A.S., Novikova P.N., Rashidov V.A., Trusov A.A.</i>	77
THE ORIGIN OF ENCLOSED DEPRESSIONS ON THE EASTERN SAKHALIN SLOPE <i>Baranov B.V., Rukavishnikova D.D., Prokudin V.G., Jin Y.-K., Dozorova K.A.</i>	86
GASGEOCHEMICAL ANOMALIES IN THE SEDIMENTS OF EAST-SIBERIAN SEA <i>Shakirov R.B., Sorochinskaya A.V., Obzhirov A.I.</i>	98
DISTINGUISHING AND DELINEATION OF GRAVITATING OBJECTS USING THE MODERN METHOD OF RECALCULATION OF THE GRAVITY FIELD IN THE LOWER HALF-SPACE <i>Arsanukaev Z.Z.</i>	111
ACCRETION TECTONICS AND FRACTAL CHARACTERISTICS OF TERRANES <i>Zakharov V.S., Vadkovsky V.N.</i>	122
ON AN ENERGY MISSING SOURCES TECTONIC PROCESSES <i>Rebetsky Yu.L.</i>	132
STRUCTURE OF HAZARDOUS GEOMORPHOLOGICAL PROCESSES ON MINOR CAUCASUS (WITHIN AZERBAIJAN) <i>Alizade E.K., Tarikhazer S.A.</i>	138

Brief Communication

- SURFACE STRAINS NEAR THE NORTH VENT OF THE 1975-1976
GREATE FISSURE TOLBACHIK ERUPTION
Maguskin M.A., Titkov N.N., Demianchuk Yu.V. 147

Discussions

- METHODS OF DYNAMIC GEOLOGY ON CRITICAL BORDER OF APPLICABILITY
Koronovsky N.V., Naimark A.A. 152
- NONLINEARITY–FRACTALITY OR RHEIDITY–ENERGY SATURATION:
WHICH CATEGORIES ARE CLOSER FOR GEOLOGY?
(Review on the article of N.V. Koronovskii, A.A. Naimark «Methods
of dynamic geology at the critical turn of applicability»)
Vikulin A.V. 163

Young Scientist's Papers

- ORGANIC SUBSTANCE IN SURFACE WATERS AND GROUNDWATERS IN
KULDUR DEPOSIT OF THERMAL WATERS, THE FAR EAST OF RUSSIA
Poturay V.A. 169
- PALEOGEOGRAPHY OF SEDIMENTATION IN SEA OF OKHOTSK DURING
LATE PLEISTOCENE-HOLOCENE (BASED ON DATA FROM PLANKTONIC
FORAMINIFERA ANALYSIS)
Romanova A.V. 183

Chapters of history

- EARTH CURRENTS OF PORFIRIY BAKHMETEV (100 YEARS AFTER
DEATH OF THE SCIENTIST)
Blokh Yu.I. 195

Workshops

- THE 40th SESSION OF THE USPENSKY INTERNATIONAL WORKSHOP
«THEORY AND PRACTICE IN GEOLOGICAL INTERPRETATION OF GRAVITY,
MAGNETIC AND ELECTRIC FIELDS»
Blokh Yu.I., Mikhailov V.O., Rashidov V.A. 203

Anniversaries

- The 70th Anniversary of Larisa I. Gontovaya 205
The 60th Anniversary of Sergey N. Rychagov 207

In memory of Kamchatka scientists

- In memory of Elena G. Lupikina 208
In memory of Ekaterina A. Kravchunovskaya 209
In memory of Valery I. Sinitsin 210

- Scientific Publications** 211

- Topics of the Journal and Rules for Authors** 212