

TABLES OF CONTENTS

Volume 46, Numbers 1–12, 2005

	PAGES	
	RUSSIAN/ENGLISH	
<b>Volume 46, Number 1, 2005</b>		
Editorial. N.V. Sobolev . . . . .		i
<i>PALEOCLIMATE AND LANDSCAPES</i>		
Isotopic and faunal record of high paleotemperatures in the Kimmeridgian of Subpolar Urals. V.A. Zakharov, F. Baudin, V. Daux, O.S. Dzyuba, K.V. Zverev, and M. Renard . . . . .	3	1
Landscapes and climate of the Baikal region in the Late Glacial and Holocene ( <i>from results of complex studies of peat bogs</i> ). E.V. Bezrukova, S.K. Krivonogov, A.A. Abzaeva, K.E. Vershinin, P.P. Letunova, L.A. Orlova, H. Takahara, N. Miyoshi, T. Nakamura, S.M. Krapivina, and K. Kawamuro . . . . .	21	20
Distribution of diatoms in surface sediments of Lake Baikal. E.V. Likhoshway, G.V. Pomazkina, A.O. Kostyukovskaya, V.N. Sergeeva, and O.V. Levina . . . . .	34	34
Comparative assessment of soil weathering rates in the landscapes of the northern slope of the Khamar-Daban Ridge. M.Yu. Semenov, G.P. Sandimirova, I.V. Korovyakova, E.S. Troitskaya, T.I. Khramtsova, and T.V. Donskaya . . . . .	50	50
<i>STRATIGRAPHY</i>		
Marine and continental Paleogene and Miocene of southern Baraba facies region of West Siberia: stratigraphy and microphytofossils. V.S. Volkova, O.B. Kuz'mina, and I.A. Kul'kova . . . . .	60	60
<i>PETROLOGY, GEOCHEMISTRY, AND MINERALOGY</i>		
Petrochemical diversity of traps on the eastern periphery of the Tunguska syncline. M.D. Tomshin, A.G. Kopylova, and O.A. Tyan . . . . .	72	73
<i>GEOPHYSICS</i>		
Sensitive energy active points (SEAP): A clue to better understanding of earthquake physics? S.Yu. Balassanian . . . . .	83	85
Ray velocities in transversely isotropic media, from common-offset reflection data. S.N. Medvedev . . . . .	100	101
<b>Volume 46, Number 2, 2005</b>		
<i>STRATIGRAPHY</i>		
Silurian ecostratigraphy of the northwestern Siberian Platform. Yu.I. Tesakov . . . . .	121	119
<i>TECTONICS</i>		
Neotectonic fault-block structure of junction of Siberian Platform and West Siberian Plate. R.M. Lobatskaya . . . . .	141	138
<i>OIL AND GAS GEOLOGY</i>		
Natural bitumens in kimberlite pipes and host rocks in the Yakutian diamond province. A.F. Safronov, N.N. Zinchuk, V.A. Kashirtsev, A.E. Kontorovich, E.A. Bondarev, I.N. Zueva, and O.N. Chalaya . . . . .	151	148
Probabilistic description of lenticular reservoirs and uncertainty assessment on drilling. A.I. Vereskov, R.D. Kanevskaya, and S.V. Korobkin . . . . .	160	159

*PETROLOGY, GEOCHEMISTRY, AND MINERALOGY*

Geologic setting, age, and geochemical model of the formation of West Sayan plagiogranitoids. S.N. Rudnev, G.A. Babin, A.G. Vladimirov, N.N. Kruk, S.P. Shokal'sky, S.M. Borisov, A.V. Travin, O.A. Levchenkov, A.A. Terleev, and M.L. Kuibida . . . . .	170	169
The Sobolev kimberlite pipe ( <i>Yakutia</i> ): structure and composition. V.P. Serov, A.D. Khar'kiv, V.I. Ustinov, and A.V. Ukhanov . . . . .	188	188
Genesis of the rims on microilmenites of the Taigikun-Nemba kimberlite field ( <i>Evenkia</i> ). A.M. Khmel'kov . . . . .	198	199
Distribution of radionuclides and trace elements in the lichen cover of West Siberian regions. V.D. Strakhovenko, B.L. Shcherbov, and E.I. Khozhina . . . . .	206	207

*GEOPHYSICS*

Resonance frequencies and seismic velocities in frozen ground. A.F. Drennov and V.I. Dzhurik . . . . .	217	218
Interpolation approach for using indirect information in geological machine contouring. V.A. Leus . . . . .	223	224
Latest Late Glacial (Sartan) key sections in Ob' valley near Surgut. I.A. Volkov . . . . .	235	235

**Volume 46, Number 3, 2005**

*STRATIGRAPHY AND PALEOGEOGRAPHY*

Stages in development of mollusks, paleobiogeography of Boreal seas in the Early-Middle Jurassic and zonal scales of Siberia. S.V. Meledina, B.N. Shurygin, and O.S. Dzyuba . . . . .	239	237
Benchmarks for correlation of Carboniferous and Permian marine deposits in Siberia and Far East. A.G. Klets . . . . .	256	255

*TECTONICS AND GEODYNAMICS*

Neotectonic deformation in the southwestern Siberian craton. A.V. Arzhannikova and S.G. Arzhannikov . . . . .	273	272
Dynamics of melting of mantle-derived rocks above a hot spot beneath oceanic ridges. V.N. Sharapov, L.N. Perepechko, and I.F. Rakhmenkulova . . . . .	280	278

*PETROLOGY, GEOCHEMISTRY, AND MINERALOGY*

Geochemistry and geochronology of Permo-Triassic basites in the northwestern Altai-Sayan folded area. G.S. Fedoseev, V.I. Sotnikov, and L.P. Rikhvanov . . . . .	289	287
Factors determining concentration of trace elements in ores of pyrite-polymetallic deposits in southern Siberia. I.V. Gas'kov, E.G. Distanov, and K.R. Kovalev . . . . .	303	302
Kimberlites of Zimbabwe: abundance and composition. A.D. Khar'kiv, E.F. Roman'ko, and B.M. Zubarev . . . . .	318	317

*GEOPHYSICS*

Focusing transformation of array seismic data. V.A. Pozdnyakov and V.A. Cheverda . . . . .	328	328
A numerical solution to a system of elasticity equations for layered anisotropic media. A.L. Karchevsky . . . . .	339	338

**Volume 46, Number 4, 2005**

*PETROLOGY, GEOCHEMISTRY, AND MINERALOGY*

Chemical and mineral compositions of metacarbonate rocks under regional metamorphism conditions and guidelines on rock classification. O.M. Rosen, D. Fettes, and J. Desmons . . . . .	357	351
Blueschists from the Uimon Zone as evidence for Ordovician accretionary-collisional events in Gorny Altai. N.I. Volkova, S.I. Stupakov, G.A. Tret'yakov, V.A. Simonov, A.V. Travin, and D.S. Yudin . . . . .	367	361
Fe-Mg carbonates and variations in isotopic compositions of carbon and oxygen at the Ozernoe hydrothermal-sedimentary pyrite-polymetallic deposit ( <i>Transbaikalia</i> ). K.R. Kovalev, G.S. Ripp, E.G. Distanov, and M.V. Baulina . . . . .	383	379

*GEODYNAMICS*

Paleomagnetic directions from Nersa intrusions of the Biryusa terrane, Siberian craton, as a reflection of tectonic events in the Neoproterozoic. D.V. Metelkin, I.V. Belonosov, D.P. Gladkochub, T.V. Donskaya, A.M. Mazukabzov, and A.M. Stanevich . . . . .	398	395
--	-----	-----

*STRATIGRAPHY AND LITHOLOGY*

Pliocene-Pleistocene sedimentary stratigraphy of Transbaikalia: new data. M.A. Erbaeva, V.V. Karasev, and N.V. Alekseeva . . . . .	414	411
Ice-rafting of sand-silty material in South Baikal. E.G. Vologina, N.G. Granin, S.S. Vorob'eva, P. Francus, T.K. Lomonosova, I.A. Kalashnikova, and L.Z. Granina . . . . .	424	420

*GEOPHYSICS*

Approximation of electromagnetic field from a magnetic dipole in a layered medium at small wave numbers. A.I. Fedorov and M.I. Epov . . . . .	431	428
Optimization inversion of seismic data from layered media: an algorithm for gradient. E. Kurpinar and A.L. Karchevsky . . . . .	439	437

*BRIEF COMMUNICATIONS*

First paleomagnetic results from the bottom sediments of Lake Hövsgöl based on drilling data. A.Yu. Kazansky, A.P. Fedotov, G.G. Matasova, A.A. Yuldashev, G.A. Ziborova, T.O. Zheleznyakova, E.G. Vologina, Ts. Oyuncimeg, Ts. Narantsetseg, D. Tomurkhoo . . . . .	448	446
--	-----	-----

**Volume 46, Number 5, 2005**

*PETROLOGY, GEOCHEMISTRY, AND MINERALOGY*

Evolution of mantle-crust fluid systems. V.N. Sharapov . . . . .	459	451
Multiphase dikes: signature of disperse spreading in the northern Siberian craton. V.V. Ryabov and D.E. Grib . . . . .	471	462
Geologo-geochemical central structure and metallogeny of granite ore-magmatic systems in eastern Transbaikalia. V.D. Kozlov . . . . .	486	477
Carboniferous and Permo-Triassic volcanics in the Urals–West Siberia junction zone. T.P. Baturina, S.V. Saraev, and A.V. Travin . . . . .	504	496
Influence of eolian processes on placer formation during various epochs of the Earth's evolution. Z.S. Nikiforova, V.E. Filippov, and B.B. Gerasimov . . . . .	517	510

STRATIGRAPHY

Topical problems of Neoproterozoic stratigraphy in the Siberian hypostratotype of the Riphean. V.V. Khomentovsky . . . . .	529	521
Latest Middle–Late Jurassic evolution and facies of foraminifers in West Siberia. B.L. Nikitenko, L.K. Levchuk, and S.N. Khafaeva . . . . .	546	537

GEOPHYSICS

Lateral conductivity variations as inferred from global MVS and MTS data by correlation of field components. V.V. Plotkin . . . . .	568	557
---	-----	-----

BRIEF COMMUNICATIONS

The age of shear deformations in the Ol'khon region, western Cisbaikalia ( <i>from results of <sup>40</sup>Ar/<sup>39</sup>Ar dating</i> ). V.P. Sukhorukov, A.V. Travin, V.S. Fedorovsky, and D.S. Yudin . . . . .	579	567
---	-----	-----

PERSONALIA

Viktor Nikolaevich Sharapov ( <i>on the 70th anniversary of birthday</i> ) . . . . .	585	572
Nikolai Vladimirovich Sobolev ( <i>on the 70th anniversary of birthday</i> ) . . . . .	584	573

Volume 46, Number 6, 2005

GEODYNAMICS

Parameters of hot spots and thermochemical plumes. N.L. Dobretsov, A.G. Kirdyashkin, and A.A. Kirdyashkin . . . . .	589	575
---	-----	-----

PETROLOGY, GEOCHEMISTRY, AND MINERALOGY

Rare-earth elements in metasomatites and ores of the Dukat gold-silver deposit ( <i>northeastern Russia</i> ). R.G. Kravtsova, M.N. Zakharov, and O.I. Korkina . . . . .	603	589
Late Paleozoic magmatic arc on the northern periphery of the Argun' terrane and associated gold mineralization ( <i>upper-Amur region</i> ). I.V. Buchko and A.A. Sorokin . . . . .	617	604
Rb-Sr age and sequence of formation of granitoids of the Khorinka volcanoplutonic structure in the Mongolo-Transbaikalian belt. V.F. Posokhov, M.G. Shadaev, B.A. Litvinovsky, A.N. Zanvilevich, and V.B. Khubanov . . . . .	625	612
The Erdenetiyn-Ovoo porphyry Cu-Mo deposit, northern Mongolia: <sup>40</sup> Ar/ <sup>39</sup> Ar geochronology and factors of large-scale mineralization. V.I. Sotnikov, V.A. Ponomarchuk, D.O. Shevchenko, and A.P. Berzina . . . . .	633	620
Chemical characteristics of natural waters: dependence on the geologic structure of the Uronai ore unit, eastern Transbaikalia. V.A. Balandis, L.V. Zamana, and A.B. Ptitsyn . . . . .	645	632

OIL AND GAS GEOLOGY

Petroleum potential of Mesozoic, Paleozoic and Vendian deposits in Stepnoi Altai and the surrounding mountains: geochemical evidence. N.V. Sennikov, A.N. Fomin, V.P. Danilova, E.N. Ivanova, A.E. Kontorovich, and E.A. Kostyreva . . . . .	652	640
--	-----	-----

GEOPHYSICS

Heat flow in Cenozoic rifts in East China. S.V. Lysak, and R.P. Dorofeeva . . . . .	667	655
---	-----	-----

**Volume 46, Number 7, 2005**

*GEODYNAMICS*

Plumes and geodynamics of the Baikal Rift Zone. Yu.A. Zorin and E.Kh. Turutanov . . . . .	685	669
The formation mechanism of the Barents basin. E.V. Artyushkov . . . . .	700	683

*PETROLOGY, GEOCHEMISTRY, AND MINERALOGY*

New data on the age of the strata framing the Chuya and Cisbaikalian uplifts ( <i>northern and western Baikal areas</i> ). V.A. Makrygina, Z.I. Petrova, G.P. Sandimirova, and Yu.A. Pakhol'chenko . . . . .	714	697
New data on the Rb-Sr age of dike belts in western Transbaikalia. M.G. Shadaev, V.B. Khubanov, and V.F. Posokhov . . . . .	723	707
Nepheline syenites of different alkalinity types of the Altai-Sayan area and geologic conditions of their formation. V.N. Dovgal' . . . . .	731	716
Electron probe microanalysis of Cr-spinel for zinc and nickel traces as applied to study of the geothermometry of peridotites. Yu.G. Lavrent'ev, L.V. Usova, V.N. Korolyuk, and A.M. Logvinova . . . . .	741	725

*GEOPHYSICS*

Large earthquakes in the Baikal region and Mongolia: recurrence time and probability. A.V. Klyuchevskii, V.M. Dem'yanovich, and G. Bayar . . . . .	746	731
Detection of seismic sources at high noise by emission tomography. Yu.A. Kugaenko . . . . .	763	746

**Volume 46, Number 8, 2005**

*GEOPHYSICS*

Shallow electromagnetic sounding: numerical analysis of responses for geoecological and engineering-geophysical applications. V.N. Glinskikh and M.I. Epov . . . . .	779	759
Wavelet analysis in processing controlled-source three-component simultaneous seismic data. O.A. Khachai, V.S. Druzhinin, G.I. Parygin, and O.Yu. Khachai . . . . .	789	769
High-temperature electrical conduction of chromite ore and the host ultramafics. V.V. Bakhterev . . . . .	796	775

*GEODYNAMICS*

Cambrian-Ordovician tectonic evolution of the Kokchetav metamorphic belt, northern Kazakhstan. N.L. Dobretsov, M.M. Buslov, and F.I. Zhimulev . . . . .	806	785
---	-----	-----

*PETROLOGY, GEOCHEMISTRY, AND MINERALOGY*

Early Paleozoic granitoid magmatism of Caledonides in the Altai-Sayan folded area: manifestation and evolution. A.N. Distanova and A.E. Teleshev . . . . .	817	796
Mineralogy of clays in Lower Toarcian terrigenous sediments in the southeast of the West Siberian Plate. P.A. Solotchin, E.P. Solotchina, and V.N. Stolpovskaya . . . . .	833	810

*STRATIGRAPHY*

Flora, vegetation, and climate of the Middle Cenophytic (Paleocene—Eocene) of Siberia: palynological data. V.S. Volkova and O.B. Kuz'mina . . . . .	844	822
Bioherms of the Lower Cambrian Osa Horizon in the Talakan-Upper Chona zone of petroleum accumulation, Siberian Platform. N.V. Mel'nikov, V.S. Sitnikov, V.I. Vasil'ev, S.I. Doronina, and L.V. Kolotova . . . . .	856	834

**Volume 46, Number 9, 2005**

Special Issue

**LARGE IGNEOUS PROVINCES  
(August 20–28, 2004, Florence - Italy)**

Materials of Session “G10.08 – Large igneous provinces”

Editors: N.L. Dobretsov, O. Eldholm, V.A. Simonov

Preface. N.L. Dobretsov, O. Eldholm, V.A. Simonov . . . . .	867	843
250 Ma large igneous provinces of Asia: Siberian and Emeishan traps (plateau basalts) and associated granitoids. N.L. Dobretsov . . . . .	870	847
Hydrodynamic processes associated with plume rise and conditions for eruption conduit formation. A.A. Kirdyashkin, N.L. Dobretsov, A.G. Kirdyashkin, I.N. Gladkov, and N.V. Surkov . . . . .	891	869
Physicochemical parameters of continental and oceanic plateau-basalt magmatic systems (from data on melt inclusions). V.A. Simonov, S.V. Kovyazin, Yu.R. Vasil'ev, and J. Mahoney . . . . .	908	886
The Emeishan large igneous province originated from magmatism of a primitive mantle plus subducted slab. Zhu Bing-Quan, Hu Yao-Guo, Chang Xiang-Yang, Xie Jin, and Zhang Zheng-Wei . . . . .	924	904
Permian-Triassic ultramafic-mafic magmatism of northern Vietnam and southern China as expression of plume magmatism. A.E. Izokh, G.V. Polyakov, Tran Trong Hoa, P.A. Balykin, and Ngo Thi Phuong . . . . .	942	922
Magmatism and geodynamics of the Paleasian ocean at the Vendian-Cambrian stage of its evolution. N.L. Dobretsov, V.A. Simonov, M.M. Buslov, and A.V. Kotlyarov . . . . .	952	933
Magmatic systems of the Early Paleoproterozoic Baltic large igneous province of siliceous high-magnesium (boninite-like) series. E.V. Sharkov, K.A. Evseeva, I.S. Krasivskaya, and A.V. Chistyakov . . . . .	968	952
Widespread Late Mesoproterozoic tholeiitic magmatism of the Sao Francisco craton (Brazil): petrology, geochemistry and geotectonic settings. A. De Min, A. Rosset, L.S. Marques, A. Chaves, and E.M. Piccirillo . . . . .	981	966
Mass extinction causality: statistical assessment of multiple-cause scenarios. N. MacLeod . . . . .	993	979

**Volume 46, Number 10, 2005**

*STRATIGRAPHY*

Ammonite biostratigraphy and biogeographic classification of the West Siberian basin in the Kimmeridgian. S.V. Meledina . . . . .	1005	989
Carbon isotopes in the Upper Riphean deposits of the Baikal Group in western Cisbaikalia: stratigraphic implications. E.M. Khabarov and V.A. Ponomarchuk . . . . .	1019	1003

*PETROLOGY, GEOCHEMISTRY, AND MINERALOGY*

Lamproites of the Tomtor massif (eastern Anabar area). N.V. Vladykin and T.S. Torbeeva . . . . .	1038	1024
The 25 September 2002 Vitim meteorite: results of complex research. V.S. Antipin, S.A. Yazev, A.B. Perepelov, S.V. Efremov, M.A. Mitichkin, A.V. Ivanov, L.A. Pavlova, N.S. Karmanov, and Z.F. Ushchapovskaya . . . . .	1050	1037

*GEOPHYSICS*

Structure of the aftershock process of the Chuya earthquake (Gorny Altai). A.A. Emanov and E.V. Leskova . . . . .	1065	1053
---	------	------

The epicentral area of the Chuya earthquake ( <i>Gorny Altai</i> ): three-dimensional velocity structure. A.V. Liseikin and V.M. Soloviev . . . . .	1073	1061
Active stress field in the Baikal rift zone: laboratory modeling. A.V. Cheremnykh . . . . .	1083	1071

DISCUSSION

A soot model for the genesis of Karelian shungites. V.I. Berezkin . . . . .	1093	1081
---	------	------

Volume 46, Number 11, 2005

GEOLOGY

Paleomagnetism of the Permian-Triassic traps from the Kuznetsk Basin, southern Siberia. A.Yu. Kazansky, D.V. Metelkin, V.Yu. Bragin, and L.V. Kungurtsev . . . . .	1107	1089
--	------	------

PETROLOGY, GEOCHEMISTRY, AND MINERALOGY

Petrostructural signature of olivines in ultramafic rocks of the Paramsky and Shamansky massifs ( <i>Baikal-Muya ophiolite belt</i> ). A.I. Chernyshov . . . . .	1121	1103
Cambrian granodiorites and their paleoweathering products in the southeast of the West Siberian geosyncline: petrography, geochemistry, and <sup>40</sup> Ar/ <sup>39</sup> Ar age. S.V. Saraev and V.A. Ponomarchuk . . . . .	1133	1115
The age and geodynamic interpretation of the Kitoi granitoid complex ( <i>southern Siberian craton</i> ). D.P. Gladkochub, T.V. Donskaya, A.M. Mazukabzov, E.B. Sal'nikova, E.V. Sklyarov, and S.Z. Yakovleva . . . . .	1139	1121

STRATIGRAPHY

Paleocarpology and problems of the Paleogene stratigraphy of West Siberia. V.P. Nikitin . . . . .	1151	1134
---	------	------

GEOPHYSICS

Structure of sedimentary cover and basement beneath the South basin of Lake Baikal inferred from seismic profiling. V.D. Suvorov and Z.R. Mishen'kina . . . . .	1159	1141
Space sensitivity of relative parameters in high-frequency electromagnetic logging. V.N. Glinskikh and M.I. Epov . . . . .	1168	1150
Strain waves in the Earth: theory, field data, and models. V.G. Bykov . . . . .	1176	1158

CORRECTIONS

Correction to "Parameters of hot spots and thermochemical plumes". N.L. Dobretsov, A.G. Kirdyashkin, and A.A. Kirdyashkin . . . . .		1171
---	--	------

Volume 46, Number 12, 2005

Main scientific achievements of Academician Nikolai V. Sobolev ( <i>on the 70th anniversary of his birthday</i> ) . . . . .	1195	1173
Diamondiferous peridotites from oceanic protoliths: crustal signatures from Yakutian kimberlites. L.A. Taylor, Z.V. Spetsius, R. Wiesli, M. Spicuzza, and J.W. Valley . . . . .	1198	1176
Chemical, optical and isotopic investigation of fibrous diamonds from Brazil. A.A. Shiryaev, E.S. Izraeli, E.H. Hauri, O.D. Zakharchenko, O. Navon . . . . .	1207	1185
Genesis of low-calcium kimberlite magmas. I.D. Ryabchikov and A.V. Girmis . . . . .	1223	1202
The role of global fluids in the genesis of mantle heterogeneities and alkaline magmatism. L.N. Kogarko . . . . .	1234	1213
Paragenesis of inclusions in diamonds from the Botuobinskaya pipe ( <i>Nakyn field, Yakutia</i> ). S.I. Mityukhin and Z.V. Spetsius . . . . .	1246	1225

RUSSIAN/ENGLISH

Paleoproterozoic collisional system and diamondiferous lithospheric keel of the Yakutian kimberlite province. O.M. Rosen, A.V. Manakov, and V.P. Serenko . . . . .	1259	1237
Structure and evolution of the lower crust of the Daldyn-Alakit district in the Yakutian Diamond Province ( <i>from data on xenoliths</i> ). V.S. Shatsky, L.V. Buzlukova, E. Jagoutz, O.A. Koz'menko, and S.I. Mityukhin . . . . .	1273	1252
Experimental modeling of mantle diamond-forming processes. Yu.N. Pal'yanov, A.G. Sokol, and N.V. Sobolev . . . . .	1290	1271
Experimental study of diamondite formation in carbonate-silicate melts: a model approach to natural processes. Yu.A. Litvin, G. Kurat, and G. Dobosi . . . . .	1304	1285
Equilibrium K-bearing clinopyroxene–melt as a model for barometry of mantle-derived mineral assemblages. O.G. Safonov, L.L. Perchuk, and Yu.A. Litvin . . . . .	1318	1300
Phase relations in diamond-forming carbonate-silicate-sulfide systems on melting. A.V. Shushkanova and Yu.A. Litvin . . . . .	1335	1317
UHP-metamorphic rocks from Dora Maira, Western Alps: cathodoluminescence of silica and twinning of coesite. H.-P. Schertl, O. Medenbach, and R.D. Neuser . . . . .	1345	1327
Prograde transformations of gabbro-norites during eclogitization in the temperature range 600–700 °C. S.P. Korikovskiy . . . . .	1352	1333
Pillow basalts and blueschists on Bol'shoi Lyakhovskiy Island (the New Siberian Islands) — fragments of the South Anyui oceanic lithosphere. A.B. Kuzmichev, E.V. Sklyarov, and I.G. Barash . . . . .	1367	1349

INDEX

Author index, Volume 46, Numbers 1–12, 2005 . . . . .	1364
Tables of contents, Volume 46, Numbers 1–12, 2005 . . . . .	1367