

SUMMARY

G. Doctorow

The Financial Crisis of 2008–2013: Starkly Different Economic, Social and Political Scenarios in the USA and Europe. Why? And what lessons can be drawn?

The article examines the economic, social and political consequences of the global financial crisis of 2008–2013 in the United States and the European Union. The author analyzes the impact of the global economic crisis on the stability and viability of the EU's economic system. The author analyzes the differences in the perception of the consequences of the political elite of the U.S. and the EU and in the scenarios of the economic policy during the crisis.

Key words: politics osteriti (fiscal austerity), economic restructuring, neo-liberalism, European federalism, sequestration

A.V. Kharlamov

Development of the theory about the economy and global problems of economy

The article discusses the impact of globalization on changes in the economic system. The defining of the essence of modern economic system has allowed to determine the orientation of its development and goal function of the regulation of national economy in conditions of globalization.

Key words: economic system, national economy, globalization, management, economic interests.

M.V. Lukin

To a problem of an assessment of effective management of administrative-territorial units

In work used approaches to an assessment of management efficiency by administrative and territorial units (territorial subjects of the Russian Federation and municipalities) are critically analyzed. Methodological approach to a system assessment of effective management of the difficult social and economic systems, based on the classical theory of efficiency is considered.

Key words: efficiency, subject of management, object of management, classical theory of efficiency, indicators and criteria of efficiency.

V.N. Volovich

Ways and forms of rational use of natural resources in the conditions of the intensification of the social production

The economic relations system is analyzed with use the material resources concept.

The concepts «rational use of material resources» and «economy of material resources». Calculation formulas of a material capacity consider reproduction of production wastes and secondary material resources at regional level.

Key words: material capacity, material resources, national income, labor object, natural resources, labor means, raw materials, power consumption.

Ch.V. Dashimolonov

Formation and development of cluster formations in the region (for example, the automotive cluster of St. Petersburg)

The article discusses cluster policy as a process of integration of industrial, intellectual and financial resources of the region, who can actively contribute to the development of certain sectors of the economy of the region. On the example of automotive cluster in St. Petersburg, the author describes the background of its creation in the city, measures to support local authorities and assesses the effectiveness of the cluster in the region. Also in the article the multiplier effect automotive cluster in St. Petersburg.

Key words: Cluster, cluster territorial, territorial development, the automotive industry, foreign investment, government support.

R.Sh. Tahtaeva

Status, problems and prospects of development of tourism infrastructure in the Republic of Kazakhstan

The paper analyzes the state of the tourism infrastructure in the Republic of Kazakhstan. Displaying the weak development of the core elements of tourism infrastructure: transport, accommodation, catering and training. The ways of solving the existing problems of the development of tourism infrastructure are formulated, particularly in the information and organizational support.

Key words: tourism infrastructure, accommodation facilities, transport infrastructure, tourism inventory, tourist registry, tourism services.

Basic functions of the information hub «Building object» in the connection with the development of regional investment-building complex

The author conducted a research of the information hub of building objects. He gave his own reasons in accordance to cybernetics-synergetic approach for foundation of platforms on this hub to intensify particular processes of selforganisation, especially for creating pool of investors in housing construction sphere.

Key words: investment-building complex, selforganisation, building object, information hub, housing construction

E.G. Preobrazhenskaya

Development of the residential property management market in a big city

The article describes the complex of issues associated with the development of residential property management market in a big city. Given the definition of the "residential property management market," revealed the characteristic features of the residential property management market in big cities. The qualitative and quantitative analysis of the residential property management market in big cities is presented. Recommendations for the development of residential property management market in a big city are proposed.

Key words: residential property management in the big city; residential property management market in a big city; qualitative and quantitative analysis of the residential property management market in cities; factors of the residential property management market development; recommendations for the development of residential property management market in a big city.

M.F. Polynov

The foreign policy of Mikhail Gorbachev, the final stage of the Perestroika. Autumn 1990 – December 1991

The article represents that Soviet Union was significantly in a position of dependence from Western countries by the end of the perestroika. Gorbachev trying to receive the financial aid went to the adoption of recommendations of the leaders of major countries especially the United States at the realizing of internal and foreign policies of his country.

Key words: foreign policy, conversations, M.S. Gorbachev, Soviet Union, financial aid, loans, the United States, George Bush, nuclear weapon.

V.S. Delwig

On the building of park-palace ensemble «Annengof» – the only residence of the Emperor in the European style in Moscow (the thirties of XVIII century)

Here is examined a question of building the Emperor's palace-park ensemble Annengof, which is the realization of the Peter the First's idea concerning the creation of European residence in Moscow, but in the period of Anna Ioannovna's reign. After the death of Peter the First, the role of Nemetskaya and Lefortovskaya slobodas of Moscow as the center of political life of the country swiftly degraded. Superiority passed to the new capital of the Russian Empire – Saint Petersburg. Annengof became a ceremonial residence of the Emperor in Moscow.

Key words: Anna Ioannovna, Annengofskiy Garden, architect earl Francesco Bartolomeo Rastrelli, gofindentancy, park-palace ensemble «Annengof», winter Annengof Palace, summer Annengof Palace, Moscow Governor-General earl Semen Andreevich Saltykov.

Yu.E. Kondakov

Functions of the Scottish lodges in additional degrees architecture in Russia in the late XVIII – early XIX centuries

Article considers the activities of the Scottish lodges in Russia in the late XVIII – early XIX centuries. Article provides a background to the emergence in Europe of so-called "Knight" (additional) degrees of Freemasonry and traces separation from them of Scottish (fourth) degree. Significance of the Scottish lodges in the system of additional degrees and special functions of Scottish Masters are shown on the basis of Masonic ceremonial books.

Key words: Masons, ritual, lodge, scottish grade, knights, jacobites.

A.A. Petrova

The Peasant Reform of 1861 in Russia in the perception of Spanish

The article deals with perception of the Spanish on the peasant reform of 1861 in Russia. It was one of the central reforms of the reign of Alexander II received a mixed assessment of contemporaries both in Russia and abroad. The article is based on the analysis of the reports of Spanish diplomats from Russia and the Spanish press 60's of XIX century.

Key words: peasant reform in 1861, Russia, Spain, the Spanish press.

S.I. Bondina

Saint-Petersburg widow's home in the XIX – the beginning of the XX centuries

In the current situation appeal to the issues of care for the old people becomes very actual and gains scientific and practical significance. The article describes the activities of the St. Petersburg widow's home for all time of its existence. The purpose of the article is to trace the evolution of management of that institution by the Depart-

ment of Empress Maria. Special attention is paid to the problems of financing, development of the institution concerned widows in hospitals, which developed into the core of this home. From the study of this problem used the comparative-historical method - comparison of statistical data of Moscow and Saint-Petersburg homes.

Key words: Department of Empress Maria, widow's homes, care for the old people, the Crimean war, communities of nurses, charity, poor relief.

F. Bonicelli

Towards the Question of Szekely and count Teleki Pal

The article is a reflection on the destiny of Hungary in the XX century and its perception by Western politicians and historians. Pal Teleki (Hungarian prime-minister in 1920–1921 and 1939–1941) was one of the most controversial Hungarians, who is often forgotten and underestimated by the researchers. He dedicated his life to the fight for the rights of national minorities in Hungary, including Szekely, and to the restoration of the lost glory of the country.

Key words: Szekely, Teleki Pal, Hungary, Turanian Society, the Second World War.

K.G. Isupov

Development prospects of methods of the scientific aesthetics in the system of M.M. Bakhtin's axiology

Some creativity aspects of M.M. Bakhtin are connected with esthetic phenomenology of the novel. It leans on a wide set of the categories, the literary culture, the historical memory.

Key words: M.M. Bakhtin, metaphor, historical process image, religious consciousness, novel, act philosophy, linguistics.

A.A. Nikiforova

Price and Value: interrelation and distinction of means

Article is devoted to problems of a modern axiology. During historical development valuable reference points of society and culture are exposed more than once to ambiguous interpretations, and sometimes it becomes difficult to reveal their true sense. In this case it is a question of a problem of a ratio of such concepts as the price and value. The modern philosophy offers enough of theories of value, however difficulties arise on a theory and practice joint, in particular, when speech comes about the price and the value of works of art, and also in questions of preservation of cultural values. Article offers the analysis of existing systems of a ratio of the price and value of objects of a cultural heritage, and also plans prospects of further development of this sociocultural practice.

Key words: value, axiology, art, cultural heritage preservation, historical and cultural expertise, art-market.

K.V. Sultanov, A.A. Voskresenskij

Comprehension strategies of modernization: instrumental rationality and alternative approaches

The article deals with the problem of understanding the strategies of modernization as the basis for the formation of Russia's development paradigm. A characteristic of instrumental rationality, economy of the gift, reciprocal exchange in the management of social processes are given in the article.

Key words: economic rationality, transversal reason, modernization, the economy of the gift, reciprocity

I.D. Verikhov

H. Bergson and M. Merleau-Ponty in the context of perception problem

The author compares the philosophical conceptions of Henri Bergson and Maurice Merleau-Ponty in the philosophical context of perception and memory problems. Basing on textual material of Merleau-Ponty's "Phenomenology of perception" and Bergson's "Matter and Memory", the author determines a number of fundamental differences in the philosophical approaches of these two thinkers. In the article's conclusion gives some deductions about potential reconciliation of these two positions under consideration.

Key words: H. Bergson, M. Merleau-Ponty, perception, memory, phenomenology, time, durée.

S.I. Rosenko

Middle Class and Social Differentiation of Modern Russian Society

Social differentiation of Post-Soviet society is characterized by formation of new social groups including first of all the middle class. It unites numerous subgroups (representatives of small and medium business, the intellectuals, specialists), having high education level, the professional status, certain political and moral values and being characterized by standard level of the income and consumption. Despite the difficult social and economic conditions connected with sharp property stratification of the population, middle class makes a basis for formation of the modern Russian society and the possibility of its stable development.

Key words: middle class, modern russian society, social differentiation.

G.V. Antonov, E.G. Laktuchina

Comparative analysis of the factors of demographic attitudes forming in ages 13–20 years

The article is about the sociological study results of population aged 13-20 years, which deals with the factors of their demographic socialization. These factors vary in intensity and orientation their effect on the demographic attitudes forming. The authors conclude that the direct regulation of the demographic attitudes forming by the state is necessary.

Key words: demographic situation, applied sociology, demographic attitudes, socialization, mass communication, population policy.

Optimization of social organizations activities in solving orphans problems in lipetsk region

The article is devoted to current problems of social adaptation of orphan-alumni of institutions of primary, secondary, higher education, identifies the personal difficulties of entry into adult life, examines the activities of Governmental policies to address these phenomena in the country and offers an program of Lipetsk regional public organization for support of orphan-alumni got into difficult life situation.

Key words: personality socialization, social adaptation, orphan-alumni, children left without parental custody, support of orphan-alumni, social organization.

A.V. Petrov

Social dialogue and the dynamics of human capital of the modern companies

The article deals with the research of various systems of social partnership. The problems of the influence of social dialogue and trade union activities in the corporate culture and effective social infrastructure, human capital reproduction of the modern companies, stimulating the development of innovative capacity of the staff, increasing their stability in the global markets and competitiveness are analyzed. The German model of social partnership and the solution for the labor conflicts is analyzed.

Key words: social dialogue, trade unions, human capital, organizational culture, innovation potential, competitiveness, economic sociology.

K.S. Karaseva

The corporate labour culture and adjustment problems of young people in large Russian corporations

The article discusses the economic and sociological research problems of youth in the labour adaptation process in large Russian companies and the impact on this process of transformation of the corporate labour culture. The article analyzes the main problems of adaptation of young people to work in modern conditions of labour markets development. The article discusses the possibilities and prospects of development of the innovation component of the organization of labour in the modern Russian corporations.

Key words: corporative labour culture, organizational culture, corporate identity, labour adaptation of youth, human capital, labour market, economic sociology.

D.A. Vinogradov

Features of formation of corporate social responsibility in France

The article analyzes the processes of formation of socially-oriented businesses in France. The article analyzes the modern state of CSR, makes a comparison with the Russian specifics. Particular attention is paid to the development of corporate social responsibility in the telecommunications sector.

Key words: corporate social responsibility (CSR), sustainable development, French telecommunications sector, economic sociology, sociology of entrepreneurship in France.

A.O. Boronoev

M. M. Kowalewski as politics sociologist

M.M. Kowalewski's political ideas played a big role in formation of the Russian parliamentarism and self-government forms at the end of XIX and at the beginning of the XX centuries.

The relevance and possibilities of verification of M.M. Kowalewski's ideas are shown in the transformation conditions of modern Russia political system.

Key words: M.M. Kowalewski, Constitution, parliamentarism, personal freedom, political ideas and establishments, State Duma, local government, verification.

A.V. Aleshina, V.A. Kosovskaya

Marriages with a foreign element: the current legal regulation

In the article discusses the current state of the legal regulation of marriage with a foreign element. Analyzes the Russian conflict rules for selecting the applicable law in marriage and divorce and determining the personal moral and property rights and responsibilities of spouses.

Key words: marriage, foreign element, divorce, form and conditions of marriage, nullity of marriage, marriage contract.

O.V. Gromtsev

Some aspects of legal regulation international labour migration in Russia

The article considers the problems of the application of international law in the process of legislative regulation of employment with the migration trends, as well as the ways of efficient and effective employment policies and labor regulation foreign workers.

Key words: international labor migration, international legal norms, the legal status of a foreign worker.

S.A. Bedirhanov

Collective beginning in representation of Lezginian poetic culture of the period of the beginning Great Patriotic War

The structural dominants of ethnopoetic culture of the Lezginian people of beginning of Great Patriotic War are examined in the article. On the analysis of poems shows the effectiveness of socially significant value paradigms (courage, heroism, devotion, etc.), retaining the relevance of the dominant concepts of collective creative

consciousness. The intensity of the rhythmic pulses of collective consciousness is associated with the importance of mobilizing spiritual forces of the masses, which have ensured the unity, strength and courage of the national spirit in the years of war.

Key words: poetic culture, Lezginian folk, collective beginning, Great Patriotic War, historical memory.

M.C. Tezic

National language as republican politics – resource of the construction of ethnic identity in the example of youths in Republic of Buryat

In this article analyses the attitudes of youths to the politics of development of national language in society as a part of project national cultural rebirth. Analyzed the relationship of state politics and attitudes of young's within the framework of our filed research.

Key words: language politics, national identity, youths, and republic of Buryat.

A.S. Nazin

Features of artistic perception of jazz and rock music in historic context

The article describes content and role of artistic perception of jazz and rock music and historical aspects of its transformation up to the present days. Moreover, the article contains comparative analysis of artistic perception of jazz and rock music.

Key words: psychology of music perception, musical language, ground-bit, jazz, rock music.

S.V. Lyashenko

The stylistic features of N.S. Samokish's graphic illustrations at the turn of the 20th century

In this article the stylistic features of N.S. Samokish's graphic illustrations at the turn of the 20th century are explored. A harmonious synthesis of new tendencies in art and traditions of the preceding epochs showed in his compositions. His illustration work coincided with the heyday of Art Nouveau and rapid development of book printed production both in Russia and abroad, and that influenced the manner of his artistic execution. Wide use of Old Russian ornaments and fonts is marked. The collaboration between N. S. Samokish and E. P. Samokish-Sudkovskaya is noted.

Key words: N.S. Samokish, E.P. Samokish-Sudkovskaya, illustrations, stylistic features, graphics, Art Nouveau, old Russian motifs, realism.

N.V. Kurakova

Tapestry exhibition by Boris Migal

The article is devoted to the exhibition of the famous St. Petersburg tapestry artist Boris Migal (1946–1999), that took place in the Elagin Island Palace-Museum of Russian Decorative and Applied Art and Interior Design in 18th – 20th centuries (St. Petersburg, Russia, spring 2013). The artist died fourteen years ago but, as the exhibition proved, his works are still perceived as something fresh and modern.

Key words: Boris Migal, tapestry, exhibition, the Elagin Island Palace-Museum of Russian Decorative and Applied Art and Interior Design in 18th – 20th centuries, V. Mukhina Higher School of Art and Design

A.A. Vasilieva

The Sculpture in Modern Architectural Projects (In the wake of Saint-Petersburg Biennale 2013)

In virtue of architectural projects of the biennale «Architecture of Saint-Petersburg 2013» the ways of cooperation of sculpture and architecture at the present stage of town planning are noted. The architect's accesses to sculpture art can be divided in two courses. The first refers to functional projects, oriented at modern imaginative tendencies and engineer-construction technologies. The second – to projects, made in historical stylistics, which includes citation of ornamental details. A guess is given, that architects don't accept the architecture as natural environment for the synthesis of plastic arts.

Key words: urban environment, modern architecture, the architectural project, sculpture, sculpture in an urban environment.

M.V. Aplecheeva

Prokofiev's «Toast» as art phenomenon of socialism creation era

The article deals with the composition, symbolizing the history of the music center stage of the political order in the USSR. It is extremely important that the «Toast» by Prokofiev received quite unambiguous, for the most part, the negative evaluation of domestic and foreign musicology and to this day remains on the periphery of the interests of musicologists. Interestingly, even the intuition of a genius who had S. Richter considered «Toast» somewhat cynical Prokofiev compromising with the regime, giving, however, a tribute to the genius of music cantata. Last years there are many debates about this composition. Today domination of the point of view on «Toast» as on typical custom-made on the occasion of an anniversary of Stalin and consequently not so successful composition for Prokofiev (!) is unconditionally broken.

Key words: S.S. Prokofiev, «Toast», I.V. Stalin, «composition on the occasion».

V.A. Zaborovskaia

The perception of a cultural monument before and after restoration

The article is devoted to the little-studied problem of perception of historical information of a cultural monument before and after restoration. The actuality of the problem for the restoration of theory and practice. Some results on the study of the process of perception of a cultural monument on paper before and after restoration.

Key words: preservation of cultural heritage, cultural monument, restoration, conservation and perception.

«The A. Siloti's Concerts» in the culture of St. Petersburg

The purpose of the article is to identify the role and importance of the Petersburg concerts organized by Alexander Siloti in the early twentieth century. Review of concert programs, define their importance in the culture of the silver age.

Key words: A. Siloti, soloists, concerts, programs, organization of concerts, culture of Petersburg.

E.A. Tkacheva

Directors of German expressionism. From theatre to cinema

The article is devoted to consideration of specific features of "expressionist" trend in German theatre and the influence of theatre directors and artists work on the establishment and development of German expressionist cinematograph. The article defines main features and techniques of theatrical expressionist direction and the specificity of actors and scene designers work. The article traces stylistic and ideologic connections between German theatre and German cinema.

Key words: German theatre, German cinema, expressionism, German theatre directing, cinema directing, Reinhardt, Jessner, Piskator, Weichert, Murnau, Vinet, Kortner

E.A. Slutskaya, E.V. Makhrova

The theatre of merchant in Russian culture XIX-beginning XX century

The article is devoted to contribution of merchant as one of the leading part of Russian society XVIII – beginning XX century for formation and development of Russian theatre. Domestic merchant theatre became for Mamontov, Stanislavskiy start platform for entrance to professional theatre art and of formation of original Russian theatre culture.

Key words: theatre of merchant, domestic theatre, Russian theatre, Mamontov, Stanislavskiy.

A.S. Yarmosh

The Sweden and Danish pottery and porcelain manufactures in XVIII c.: 1720–1780

The article is reviewed a chronology of the serial stages of foundation and development of the art of pottery and porcelain in Denmark and Sweden during the XVIII century. There is examined the emergence and development of factories in the historical and cultural context of the Nordic region. Special attention is given to main manufactures: Rörstrand, Marieberg, Pfau-manufacture, Royal Copenhagen Porcelain Manufacture.

Key words: pottery, porcelain, art of XVIII c., Denmark, Sweden

E.O. Kalugina

Luis de Morales (1509/1511–1586) and Juan de Ribera (1532–1611): painting in the context of the spiritual culture of Spain of the 16th century

The article deals with how the work of the Spanish artist Luis de Morales (1509/1511–1586) was influenced by religious ideas of the time period, based on the artist's relationship with Bishop Juan de Ribera (1532–1611), one of the key figures of Counter-Reformation and future Archbishop and Viceroy of Valencia who played an essential role in the spiritual life of Spain in the second half of the 16th c. The bishop's work is analyzed, uncovering his connections with prominent religious figures, authors and missionaries of the period; the most important trends of the spiritual life of the Iberian Peninsula are briefly characterized. Being one of Morales's major customers in the 1560s, J. de Ribera had a great influence on the artist's work. Luis de Morales had created many paintings for the study and chapel in the bishop's palace in Badajoz, the principal works depict scenes from the Passion of Christ. The article identifies the influence of religious mystical literature of Spain in the 16th c. on the nature of the imagery in Morales's compositions, establishes their relation with the devotional practice of the time.

Key words: Luis de Morales, the work of paintings of Spain in the 16th c., Juan de Ribera, Christian humanism, mysticism, Counter-Reformation, spiritual literature of Spain in the 16th c., religious iconography, the Passion of Christ.

N.A. Beliaeva

Continuity heritage of Italian masters Aleksandro Magnasco and Antonio Visentini in the work of Hubert Robert

The article is concerns involving issues of intercultural communication on the example of the Italian-French artistic connections XVIII century. The author reveals the trend of continuity between the work of Hubert Robert and Italian craftsmen, examining specific examples of the artist and the individual qualities of comparing specific examples as a thematic body of work, and their composite construction and color palette.

Key words: landscape, XVIII century French and Italian art of communication, Hubert Robert, Alexander Magnasco, Antonio Visentini.

U Gen-IR

History of Korea's dancing as the choreographic chronicle of the Korean society

The article, based on historical records and encyclopedia «Akhak kvebom», gives a brief history and characteristic of the art of dance with the ancient Korea Joseon Dynasty to the present day. In the art of dance reflected the hopes and aspirations of the Korea people.

Key words: art, aak, buddhism, choreography of the countries of the Far East, dance, history of Korea, music of Korea.

Managing the Quality of Education at the «6 Sigma» Level

The article focuses on improving the quality of education. The approach employed is that of Benjamin Bloom's «2 Sigma Problem». It is proposed that the methodology of the «6 Sigma», which provides for the widespread use of statistics to analyze the data, be applied to the organization of learning management on the basis of social CRM (Customer Relationship Management). The «6 Sigma» as a method to achieve zero-error outcomes, should be combined with management technologies «Balanced Scorecard» and controlled by a «key performance indicators». In this regard, the practical aspects of instruction are discussed.

Key words: education technology, programmed learning, the new information technology training, computerization of education.

I.N. Pashkovskaya, E.Y. Shemyakina

Subjective mechanisms of development of social and professional activity of a manager of the sphere of services

In article on the basis of the activity approach is studied subjective mechanisms of formation of professional activity of a manager of the service sphere. As the mechanisms of the formation of the manager as a professional is awareness activities, emotionally and value relation to activities as well as mechanisms that determine the style of professional activity. In the process of preparation of the manager for his professional activity recommends socially and personally oriented education, which involves the development of cognitive aspirations and emotional-motivational pulses.

Key words: social and professional activity, the personality of the manager of the sphere of service, subject mechanisms, professional self-evaluation manager, value orientation manager, personal disposition manager.

S.V. Myasnikov

Forest pedagogy and recreation for children and youth as a factor Russian national forest policy

The strategy of the national forest policy should meet the objectives of a social state. An important factor of state forest policy - forest pedagogy and children's and youth recreation. Due to the active purposeful contact of children and adolescents with forest is the formation of ecological culture. Design of forest policy in Russia should take place with regard to the interests of young people.

Key words: state forest policy, forest pedagogy, forest recreation, welfare state, political design, strategy development, ecological culture.

I.S. Lukyanov

Objective and Subjective in political ideology of the state

Basis, the contents and the essence, the comprising relations of property together with economic categories: the relations of alienation and the relation of assignment make that objective, as predetermines "political ideology of the state" as scientific category. The superstructure, form and the phenomena in the scientific category "political ideology of the state", including set of ideas and the views displaying commitment to certain philosophical, religious, moral, etc. to interests, and also legal and legislative base as a product of ruling class, make everything that bears in itself the press subjective and special.

Key words: objective, subjective, ideology, state, basis, contents, form, phenomenon, relations.

A.A. Gorbunov, A.I.A. Gorbunov

Essentially new approach to formation of investment assets of small social and enterprise groups in modern conditions of the noosphere economy

Assets in the sphere of communal services have to be formed on the basis of collective property by apartment houses. The actual household has to lean on the valid private property on apartment houses as complete objects of real estate together with the land plots. Owners of an apartment house will be shareholders, owners of shares in the «apartment house» enterprise.

Key words: household, investment, collective property, apartment house, noosphere economy, communal services environment, self-government, owner of housing.

V.A. Rumjantsev

Once again about Russia participation in the world water market

Three main options of participation in the world water market are considered: trans-border import of a part of rivers flow, «virtual» water, drinking water. The first two options are unpromising for Russia. Moreover, a «virtual» water (water-retaining production) increasing deliveries to the world market at the modern level of enterprises technological infrastructure can cause serious social, economic and ecological consequences. The most perspective is trans-border import of drinking water. However, it needs serious arrangements and it is possible just in case of support from the state.

Key words: water world market, trans-border import, transnational delivery, water-retaining production, «virtual» water.

A.I. Chistobaev, Z.A. Semeonova

Evolution of scientific ideas of quality of life of the population

Quality of life is a systemic concept incorporates all the components of life, livelihoods and sustainability of society, society, the human population. One of the criteria of quality of life is the condition of the individual and public health, which is influenced by environmental factors, living conditions and working conditions. Identifica-

Key words: quality of life, health, social geography, medical geography.

V.N. Malinin, D.A. Guryanov

To estimate the duration of the seasons in St. Petersburg

The variability of climatic seasons in St. Petersburg over a period from 1950 to 2011 is considered. They stand out from the data on the average daily air temperature transitions at 0 and 15 °C in spring and autumn. It is shown, that the duration of the winter period from 1950 to 2001 decreased by 27 days, whereby duration other seasons is increased. Regression models are proposed duration of the season. Predictors of them are the length of the previous season and the date of the transition temperature from it to the current season.

Key words: air temperature, the inter-annual variability, the trend in the duration of the seasons, the regression model.

V.V. Drozdov, A.V. Kosenko, M.I. Zadevalova

Experimental substantiation of application of ultra-violet neutralization of water to reduce the risk of transboundary pollution of sea areas

Considered are the possibilities of application of ultraviolet radiation in the marine installations neutralization of ballast water to reduce the risk and intensity of transboundary biological pollution of sea areas. Presents the results of the experimental studies of the effect of various doses of short-wave ultraviolet radiation on the larvae of multicellular water animals *Dreissena polymorpha* and *Artemia salina*.

Key words: transboundary biological pollution, ultraviolet radiation, disposal of water.

L.S. Ivlev, V.A. Reznikov

Structural and energy characteristics of water, their role in environmental ecology. Structure and abnormal water properties

Abnormal water properties are discussed. Special features of abnormal microstructure of water make an influence on physical (and particularly on biophysical) environmental processes.

Key words: associates, plasmoid structure, self-similarity elements, dynamical molecular centers of equilibrium, distillation, activity.

I.M. Grekov, L.S. Syrykh, E.A. Kosheleva, D.A. Subetto

Paleolandscapes of early Holocene Kola peninsula and geoarchaeology

The Kola Peninsula is an unique region of Fennoscandia. It is characterized by isolation from the mainland and surrounding by the Barents Sea and the White Sea and the original paleogeographic history. The most interesting stage in the Quaternary period is the Late glacial and Early Holocene, when in the Kola Peninsula modern natural areas have begun to form and an initial human movement on ice-free territories. In this paper, based on variety of paleogeographic data, we tried to reconstruct paleolandscapes and match them with archaeological finds relating to this period of time.

Key words: Paleogeography, Kola Peninsula, Younger Dryas, Preboreal, archeology, Komsa, Mesolithic.