

SUMMARY & REFERENCES

SOCIETY

DISCOURSE STRATEGIES

K.V. Sultanov,

Doctor of Philosophy, Professor, honored worker of science of the Russian Federation,
Herzen State Pedagogical University of Russia, Saint Petersburg;
email: child2000@bk.ru

I.B. Mikirtumov,

Doctor of Philosophy, Professor, Head of the Chair of Logic,
Saint Petersburg State University, Saint Petersburg;
e-mail: i.mikirtumov@spbu.ru

Yu.V. Puiu,

Doctor of Philosophy, Professor of the department of philosophy,
Herzen State Pedagogical University of Russia, Saint Petersburg;
email: dgudispb@yandex.ru

V.A. Rabosh,

Doctor of Philosophy, Professor, Vice-Rector for Academic Affairs,
Herzen State Pedagogical University of Russia, Saint Petersburg;
email: prorektor_uch@herzen.spb.ru

V.I. Strelchenko,

Doctor of Philosophy, Professor, Head of the Chair,
Herzen State Pedagogical University of Russia, Saint Petersburg;
email: v_strelchenko@mail.ru

IMAGES OF SCIENCE IN THE EXPERIENCE OF LOGICAL EMPIRICISM

The logical empiricism, as well as developing its forms analysis philosophy and linguistic philosophy, based on recognition of the absoluteness of the epistemological priority of science and its crucial role in the evolution of technical civilization of the Western type. The aim of this process, first, study science by constructing an authentic model of its structure, and secondly, to overcome metaphysics, thirdly, creating a “scientific philosophy”, in the fourth, to overcome the crisis the foundations of mathematics and physics. However, the consistent implementation of the principles of radical empiricism, the ideas of “linguistic turn” and the requirements of method proved fraught with the collapse of the neo-positivism programs and increased relativizing tendencies.

Key words: logical empiricism, transcendentalism, truth, philosophy of science, “linguistic turn”, metaphysics, “idiographic method”, “sociological turn”, paradigm.

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«CIVITAS DEI» AS REFORMATIONAL PROJECT

The topic is dedicated to exploring a history of the medieval mystical treatise “Theologia deutsch” written by anonymous. During the XIV century the treatise wasn’t widely known and spread as manuscript. M. Luther has been published the treatise shortly before the Reformation beginning. However Luther has published the book not completely. He decided to keep only those chapters which confirmed his soteriological position, and also his views on the justification and free will. Those chapters which Luther has counted disputable haven’t been included by him in the publication. Character of the edition of this book shows increase of Luther’s mistrust to medieval mystical tradition, and to Catholic theology in general. The treatise has been written in German, and perhaps this is the main reason why Luther decided to publish this book. In the middle of the XIX century was found the manuscript containing the full text of the treatise, including deleted chapters.

Key words: Luther, Protestantism, Lutheranism, Reformation, German mysticism, Theologia deutsch, Der Franckforter.

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A.I. Subetto,

PhD, professor, the Head’s of institute advisor on noospheric education,
Smolny Institute of RAE, Saint-Petersburg,
e-mail: subal1937@yandex.ru

THE SYSTEM GENETIC THEORY OF SPACE AND TIME. PART II

The system genetic theory of time and space is the base of system genetics. The system genetics is the science researching laws of system inheritance in the different system worlds and in progressive evolution system. The structure of any system includes many systems, many cycles, possesses a set of system times. The cycle is the natural scale of system time. System time is a reflection of the system world on itself in the course of the progressive evolution. It generates system space which fractal organization reflects the fractal and spiral organization of system time. The reason of mankind as the observer of the Universe appears not incidentally, and the system genetic theory of time and space bears in themselves the potential of a megaspace proskopiya in process of management of social and natural noospheric evolution.

Key words: time, law, space, system, system genetics, evolution.

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Doctor of Philosophy, Professor, honored worker of science of the Russian Federation,
Herzen State Pedagogical University of Russia, Saint Petersburg;
email: child2000@bk.ru

A.A. Korolkov,

Doctor of Philosophy, Professor,
Herzen State Pedagogical University of Russia, Saint Petersburg;
email: a-korolkov@mail.ru.

Yu.V. Puiu,

Doctor of Philosophy, Professor of the department of philosophy,
Herzen State Pedagogical University of Russia, Saint Petersburg;
email: dgudispb@yandex.ru

V.A. Rabosh,

Doctor of Philosophy, Professor, Vice-Rector for Academic Affairs,
Herzen State Pedagogical University of Russia, Saint Petersburg;
email: prorektor_uch@herzen.spb.ru

V.I. Strelchenko,

Doctor of Philosophy, Professor, Head of the Chair,
Herzen State Pedagogical University of Russia, Saint Petersburg;
email: v_strelchenko@mail.ru

PHILOSOPHY OF SCIENCE IN POSITIVISM: THE EVOLUTION OF SUBJECT AND CONCEPTS

The emergence of modern philosophy of science is mediated next stages of its previous evolution forms of experience, the epistemological and the logical and methodological comprehension of the foundations of mathematical natural science from the standpoint of positivism. Despite the persuasiveness of the argument advanced by the positivist philosophy of science in favor of the authenticity of the claims of theoretical science and mathematics, however, early in the second half of the twentieth century, their claims to objectivity and truth are often subjected to withering criticism. There is reason to believe that the continued strengthening of trends relativize is an expression not so much of difficulties the internal logic of the development of scientific rationality, but a change in the public attitude towards it until the assimilation of anthropological aggressive doctrine.

Key words: philosophy of science, positivism, epistemology, empiric, logical empiricism, "the linguistic turn", the crisis in physics, analytic philosophy, the crisis of foundations of mathematics, methodology.

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Ye Zhaoxia,

Ph. D., Tianjin Normal University,
Bureau of Translation under the CPC, Tianjin People's Republic of China;
e-mail: petroval4@yandex.ru

A.V. Petrov,

Ph. D. (Sociology), Professor, St.-Petersburg State University; the executive director,
the Russian-Chinese Center for Comparative Social, Economic and Political Studies
of the Department of Sociology, St.-Petersburg State University, Saint-Petersburg;
e-mail: petroval4@yandex.ru

ECONOMIC SOCIOLOGY IN CHINA

The article discusses the history of the formation and contemporary issues in the field of economic sociology studies in the People's Republic of China. Attention is drawn to the fact that the Chinese sociologists consider economic sociology as the direction of sociological researches focused on the study of the social aspects of radical economic changes that have occurred in China in recent decades. It is emphasized that the Chinese scholars, adapting foreign theories, models, concepts to explain the features of Chinese society and economy, focused on the creation of their own, specific approach to the problems and prospects of social and economic development of China.

Key words: economic sociology, China, history of sociology, sociological theories.

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M.A. Knyazeva,

Candidate of technical Sciences, head of Department of Economy and Finance,
the Tula branch of RANEPА, Tula;
e-mail: knjzeva_ma@mail.ru

I.A. Smaragdov,

Doctor of Engineering Sciences, professor, the Tula branch of RANEPА, Tula;
e-mail: smaragdovIA@gmail.ru

FALLING LIVING STANDARDS OF RUSSIAN FAMILIES IN 2015

The paper sets out the methodology of nuclear structuring ratings of subjects and the results of the application of this technique for the quantification of the level of competition of Russian regional welfare system for families with two children in 2014 and 2015. The basis of nuclear structuring laid analytical materials published by RIA Rating. On the basis of the calculations made conclusions about the dynamics of regional competition of the Russian welfare system families in 2015.

Key words: regional system, welfare, analysis, separation of subjects, rating, competition.

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I.G. Shestakova,

PhD, Associate professor, the Saint Petersburg Mining University, Saint Petersburg;
email: Irina_Shestakova@inbox.ru

LIVING WITNESSES OF THE AGE TO-INTERNET

Author divide classifies three generations according to their relation to changes in the social and cultural reality, occurring before our eyes: Speed generation, Aborigines of the previous pre-digital era, Generation of euphoria. In the lives of these generations came fracture to which the human race in its history lived in a situation where people lived a conservative life in a constant and unchanging world. Now we find ourselves in an area where the socio-cultural reality is changing before our eyes, t. E. Multiple radical changes in the life of society, caused by the STSC, occur over the lifetime of one generation. These three generations - in this case, the conditional characteristic that depends on the perception and reality do not always coincide with the age division. It is important to note that this division is unique and is temporary. It is characteristic only for our time, where the fact of the simultaneous existence of these three groups is unique. For the first time in history we are at a historical gap, where three generations staying at the same time, characterized not only by age but also by the degree of involvement in the digital being, as well as the ability to adapt to the current rate of development of info-communications, which instantly transform everything in the usual “life-world” (Lebenswelt). More than ever there will be no pre-Internet era, or the era of the low speed, and therefore, the transition to a qualitatively different dimension and a new understanding of information. As would never be an environment in which both converged and fell to the lot of one generation as the beginning of the Internet era, and the most crucial – the beginning of the era of speed - cross the Rubicon that separates the era of slow change, from time to time, where the rate of scientific and technological progress is, that fundamental changes occur repeatedly in life of one generation.

Key words: digital age, the rate of progress, information communications, generation, adaptation.

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V.A. Tolstikov,

Candidate of Philosophical Sciences (Ph.D.), Associate Professor,
Belgorod University of Cooperation, Economics and Law, Belgorod;
e-mail: vicsan61@yandex.ru

NATIONAL IDEA OF RUSSIA: TO THE QUESTION ABOUT THE EVOLUTION OF THE IDEAS AND METHODS OF FORMING

Each generation re-creates his past. This punning-antinomic phenomenon is true for Russia is correct, as for any other country. We do live in a country with an unpredictable past. Several brooms over the centuries repeatedly completely swept from the minds of people, not only past but also future. But if without a past, without a future is impossible. Is there a future in Russia? If so, what? Russia's future depends on the past we will choose, since there are plenty to choose from. Historical memory is one of the varieties of identity, along with ethnicity and civilizational consciousness. Russia is in deep crisis in all aspects of life, so the time has come for the formation of civilizational consciousness. In a crisis situation come to the surface the deepest, often mythological representation of the "folk wisdom". In this article we will try to understand the "poetic" wisdom of the Russian people who created the civilization, which name is still undecided, whether she is "Russian" or "Russian", whether "Orthodox", whether "socialist" or "Eurasian"?

Key words: "Holy Russia", "Moscow – the third Rome", "Orthodoxy, Autocracy, Nationality", "Communism", "Christian socialism".

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V.P. Solomin,,

Doctor of pedagogical Sciences, Professor, honored worker of higher school of the Russian Federation,
honorary Worker of science and technology, Herzen State Pedagogical University of Russia, Saint-Petersburg;
email: child2000@bk.ru

K.V. Sultanov,

Doctor of Philosophy, Professor, honored worker of science of the Russian Federation,
Herzen State Pedagogical University of Russia, Saint-Petersburg;
email: child2000@bk.ru

A.A. Voscresensky,

PhD in Philosophy science, Assistant lecturer,
Herzen State Pedagogical University of Russia, Saint-Petersburg;
e-mail: voscres@gmail.com

ANTHROPOLOGICAL DIMENSION OF THE SOCIAL PARADIGM OF THE KNOWLEDGE SOCIETY

The article is devoted to the definition of approaches to the human problem in the knowledge society, its specificity with respect to related concepts: information society, risk society, cognitive capitalism. On the basis of sociological and social-philosophical theories of M. Castells and N. Stern, attempts are being made to establish clear criteria that allow us to speak about the knowledge society as a socio-cultural paradigm that creates new and transforms the old types of personality, sociality and social interaction

Key words: Knowledge Society, cognitive capitalism, network society, human problem, competence approach, transdisciplinarity.

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Wang Lin,

graduate student, St. Petersburg State University, St. Petersburg;
e-mail: wanglin89@yandex.ru

THE NARRATIVE CHARACTERISTICS OF MEMOIR BOOK “STEEP ROUTE” OF EUGENIA GINZBURG

The article deals with the specifics of the submission of the two narrators in the narrative structure of the book “Steep Route” Eugenia Ginzburg. Young narrator is the bearer of communist ideology and believes the culprit political repression 30-ies of XX century Joseph Stalin. Her voice is predominant in the first part of the book. In the second and third parts of the book the reader sees how Ginzburg gets rid of the influence of propaganda, becomes a free person. Elderly narrator's voice expresses these changes and becomes the main in the second half of book.

Key words: Eugenia Ginzburg, “Steep Route”, narratology, narrator.

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Candidate of culture studies, associate Professor, Acting head of the Department of cultural studies, Ryazan state University named after S.A. Esenin, Ryazan;
email: a.pronkina@rsu.edu.ru

RATIONAL AND EMOTIONAL BASES OF IMPLEMENTATION OF THE COSMETIC PRACTICES OF THE BODY TRANSFORMATION IN THE CULTURE

The object of analysis of this article is the specifics of the cosmetic practices of body transformation under the conditions of modernity and the subject – the rational and emotional grounds. The author is of the view that cosmetic practices of body transformation are significant cultural practices, actively integrated into the culture, fixing on the phenomenological and ontological levels, the process of somatic transformational cultural activities. However, practical activities aimed at the cosmetic transformation of the body does not form an independent cultural complex, and is embedded in the implementation of the already existing, complementing and extending their institutional and procedural subject field of culture. Methodological basis of research are the philosophical methods and principles of knowledge – objectivity and integrity, consistency and determinism. The novelty of the presented material lies in the innovation of the question, that is, the dimension of the key reasons the implementation of the cosmetic practices of body transformation from the point of view of their permanent nature with the procedure of identifying the rational and emotional principles, correlated with the production of meanings and mechanisms of culture and cultural activities.

Key words: body, corporeality, body, techniques of the body, practices of bodily transformation, body transformation, cultural transformation of the body, cosmetic practices of body transformation

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PEDAGOGICAL EXPERIENCE

O.N. Machekhina,

PhD (Education), assistant professor, Moscow institute of open education, Moscow;
e-mail: helga_mon@mail.ru

EDUCATIONAL REFORMS IN BRICS COUNTRIES: FEATURES AND SPECIFICS

The author characterized and analyzed educational reforms in BRICS countries, such as Brazil, India, China and the Republic of South Africa. Russia is not specially included in this list of studying by the author, just because it's a subject of separate research. In article author defines the features and specifics of the activity in the field of educational reforms in BRICS countries as now, and in retrospective too. In the course of the study was found, that the most powerful drivers of change, in the average general education of the countries surveyed, at the end of XX - XXI centuries, became the start of objective social processes such as the formation of a knowledge economy, the rapid development of multimedia and information technologies, globalization processes occurring. All of them are objectively necessitated the progressive evolution of the secondary school - to change in its organization model, to transform of the educational process, to integrate the new technologies in training, to update the content of education. Thus, we can conclude that the development of the secondary school in the BRICS countries should be characterized as situational («overtaking»), social and political modernization of the reactive nature.

Key words: education, educational reforms, feature, reform, specifics, BRICS countries: Brazil, Russia, India, China and Republic of South Africa; school, comprehensive school.

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SCIENTIFIC INQUIRY

P.I. Kutenkov,

Candidate of Culturology, Senior lecturer,
Smolny Institute of the Russian Academy of Education, St. Petersburg;
e-mail: yarga.spb@mail.ru

THE NATURE OF THE SIGN. UNITY IN THE DEVELOPMENT OF VIEWS

The article discusses the nature and origin of the sign on the views of ancient and modern scientists and thinkers. Scientific connect a sign origin (a sign word, an image) with initial formation of mankind, findings of collective consciousness by him in interrelation with the events in Space and the Universe over time. People in the ancient time connected a Sign origin Good Luck, Space, the Universe, with public consciousness and spirit of culture.

Key words: the universe, the soul-azma, the soul-yasma, sign, space, signified, signifier, the origin of sign, semiotics, consciousness.

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ENVIRONMENT

GLOBAL ECOLOGICAL CRISIS: MYTHS AND REALITY

S.A. Kondratyev,

Dr.Sc., Institute of Limnology of the Russian Academy of Sciences, St. Petersburg;
e-mail: kondratyev@limno.org.ru

M.V. Shmakova,

PhD, Institute of Limnology of the Russian Academy of Sciences, St. Petersburg;
e-mail: m-shmakova@yandex.ru

EXPERIENCE OF RUNOFF AND SUBSTANCES TRANSPORT MODELING IN CATCHMENT

A brief description of the mathematical models currently used by the Institute of Limnology RAS to solve various problems related to the modeling of runoff and substances transport in the system “river–catchment–reservoir” and registered by the Federal Service for Intellectual Property of the Russian Federation is presented. These include: stochastic model of the weather, runoff model in catchment, model of the nutrient load in catchment,

Key words: mathematical model, runoff, nutrient load, sediment transport

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G.T. Frumin,

Doctor of Chemical Sciences, Professor,
Russian State Hydrometeorological University, Saint- Petersburg;
e-mail: gfrumin@mail.ru

Yu.A. Fetisova,

Graduate student, Russian State Hydrometeorological University, Saint- Petersburg;
e-mail: julika92@mail.ru

DYNAMICS OF WATER QUALITY OF TRANSBOUNDARY RIVER NARVA

The aim of the carried investigation was to develop the way of evaluation of transboundary water pollution. The method of evaluation of transboundary water quality was elaborated. The method is based on calculation of chemical index and classification of the water quality. The method of rating the quality of river water is built on measuring of several chemical options in samples of water. Gained combination of results is further represented in chemical index C_j which represents generalized quantity of water. A relative weight W is determined for each parameter. That weight may be considered as a priority of each parameter. Then the value of sub-index q is determined for each parameter with the help of digitized calibration graphics. The chemical index of water pollution C_j is multiple function of sub-indexes q in degree which is equal to relative weight of each parameter. Also the system rating of evaluation of transboundary water body is based on model of “broken stick”. The quantity of water quality types is 5. On the base of developed method the dynamics of water quality of the transboundary Narva river since 2006 to 2015 year is revealed. It is clear that the water is characterized as “low polluted” (the 2nd type of quality). The chemical index C_j varied from minimal value 90,5 in 2007 to maximal value 92,5 in 2009. During all the examined period the average value C_j was 91.6.

Key words: the Narva River, transboundary water body, water quality, chemical index.

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E.S. Urusova,

Candidate of geographical Sciences, Lecturer,
Russian State Hydrometeorological University, Saint-Petersburg;
e-mail: e.s.urusova@gmail.com

USING THE METHOD OF COMPLEX CONSIDERATION THE FEATURES OF HYDROCHEMICAL INFORMATION FOR ESTIMATION OF BIOGENIC MATTER DISCHARGE

The aim of investigation is analysis of results for applying of complex method consideration of hydrochemical information features in estimation of nutrients flow for the Luga river. The basis for accounting of annual flow is annual concentrations of nitrogen ammonium, nitrogen nitrite, nitrogen nitrate and phosphorus mineral. This annual concentrations was estimated with using of complex method simultaneous consideration of river flow and nonequidistance. Nasser Othman offered this Method. Furthermore, on the stage of preliminary research of concentrations series from initial series was excluded extreme values. The paper compares the results of estimation of annual concentrations and flow, which was calculated with or without consideration of hydrochemical information features. Was shown that using

of complex method of estimation of annual concentrations lead to decrease of values among the values calculated by traditional method. The largest income of nutrients was observed from urban territories or not from intercity. The greatest contribution in pollution of the Luga river by the nutrients brings from Kingisepp Town.

Key words: Luga river, complex method for estimation of annual concentration, features of hydrochemical information, nutrient flow, river flow, nonequidistance.

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NATURAL ENVIRONMENT

V.A. Rumyantsev,

the academician of the Russian Academy of Sciences, the doctor of geographical sciences,
the research supervisor, INOZ Russian Academy of Sciences, St. Petersburg;
e-mail: rum.ran@mail.ru

A.S. Mityukov,

the doctor of agricultural sciences, the leading researcher,
INOZ Russian Academy of Sciences, St. Petersburg;
e-mail: mitals@yandex.ru

O.V. Shondina,

Senior engineer, INOZ Russian Academy of Sciences;
e-mail: luckykr@rambler.ru

G.S. Yaroshevich,

the Doctor of agricultural sciences, the director,
the Pskov research institute of agriculture, Pskov;
e-mail: pniish@ellink.ru

L.N. Kryukov,

the Doctor of Chemistry, the chief researcher,
INOZ Russian Academy of Sciences, St. Petersburg;
e-mail: kryukovln@yandex.ru

THE DEVELOPMENT OF TECHNOLOGIES THAT RESEMBLE NATURAL ONES FOR CROP PRODUCTION BASED ON NANOSTRUCTURED SAPROPEL

The development of technologies that resemble natural ones for crop production, allowing you to install safe for humans a balance between biosphere and technosphere, has a priority of fundamental and practical importance. In 2016 INOS wounds by means of ultrasonic processing of sapropel, has long been used in agriculture, was first

176 obtained ultrafine, HUMATE sapropel slurry with a particle size of 86-89 nm. It was found that the obtained suspension effectively inactivate common environmental toxicants of some heavy metals and when included in the diet of farm animals lead to a significant average daily gain in live weight. It was legitimate to suggest that ultrafine, HUMATE sapropel slurry containing nanoparticles with a highly developed surface and presence of reactive functional groups, must possess high sorption properties with respect not only to inorganic substances but also to substances of biological nature type of viruses and pathogens. This was the basis for the present research to study the effects of ultrafine, HUMATE sapropel slurry on wheat yield. During the vegetative season 2016 it was recorded that the use as fertilizer, HUMATE ultrafine-sapropelic stable suspension with water in the ratio of concentrations of 1 to 100, provided a considerable increase of green mass of spring and winter wheat.

Key words: sapropel, suspension, nanostructure, safety, the nature of the similarity

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N.V. Lovelius,

PhD, professor, Herzen State Pedagogical University of Russia, Saint-Petersburg;
e-mail: lovelius@mail.ru

LICENSE HUNTING FOR AN ELK IN RUSSIA AND GLOBAL FACTORS OF THE ENVIRONMENT

Data on license hunting for an elk can be used for definition of changes of its number under the influence of global factors of the environment. The conclusion is drawn that such approach is justified.

Key words: galactic space beams, geomagnetic activity, global factors of the environment, license hunting, elk, solar activity, atmosphere circulation.

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A.S. Zhumaliev,

PhD student, St. Petersburg State University, St. Petersburg;
e-mail: aikastalbekovna@mail.ru

M.V. Syromiatina,

PhD of Geographical Sciences, Senior lecturer, St. Petersburg State University, St. Petersburg;
e-mail: margarita_soi@rambler.ru

K.V. Chistiakov,

Doctor of Geographical Sciences, Director of the Institute of Earth Sciences,
St. Petersburg State University, St. Petersburg;
e-mail: k.chistyakov@spbu.ru

U.N. Kurochkin

Senior lecturer, St. Petersburg State University, St. Petersburg;
e-mail: kurant51@mail.ru

ALTITUDINAL ZONATION AND NATURAL MANAGEMENT REGIMES OF THE AT-BASHY RANGE (THE INNER TIAN SHAN)

In this work, we investigated the modern structure of altitudinal zonation of the At-Bashy range in the Inner Tien Shan with the assessment of human impact, as well as made comparative analysis. During the 2015–2016 field observations the borders of altitudinal zones were detected and were compared with the estimates obtained previously. The strongly marked dynamics of borders from 1960s were not detected. Average summer temperature lapse rate and annual precipitation gradients were calculated and climatic characteristics of every altitudinal zone were made. Based on meteorological data the changes of temperature and precipitation in the period of 1930 to 2015 were estimated. From 1930 to 2015 average annual air temperature increased by 1,6–2,2°, annual precipitation slightly increased (30–45 mm). Analysis of changes of the Selyaninovs hydrothermal coefficient showed that in recent years especially after the 1970s there was a weak tendency towards the aridization of the Aksai Chatyrkul depression. Climatic factors have no significant effect on the boundary changes of altitude zones in the region. At the same time for example, the modern glaciation of the At-Bashy range is more sensitive component to climate change. Human impact plays crucial role only in the interseasonal redistribution of pastures. In the Aksai-Chatyrkul depression, the common tendency of reduction of pasture area, was detected, however this area was reduced by not more than 12,2% from 1980 to 2010.

Key words: altitudinal zonation, altitudinal hydrothermal gradient, the At-Bashy range, climatic characteristics of the altitudinal zones, natural management regimes.

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URBAN ENVIRONMENT

Yu.N.Gladkiy,

doctor of geographical sciences, professor, head of the department of economic geography,
Herzen State Pedagogical University of Russia, Saint-Petersburg;
e-mail: Gladkiy43@rambler.ru

I.Yu. Gladkiy,

doctor of geographical sciences, docent,
Herzen State Pedagogical University of Russia, Saint-Petersburg;
e-mail: Gladkiy68@rambler.ru

I.P.Mahova,

candidate of pedagogical sciences, docent,
Herzen State Pedagogical University of Russia, Saint-Petersburg;
e-mail: Mahova@herzen.spb.ru

ON THE RISKS OF ARTIFICIAL TRANSFORMATION THE URBAN ENVIRONMENT OF RUSSIA

Representatives of a liberal economic thought try to subject to radical change the century urbanized environment of Russia. We are talking in particular about the idea of creating 10–15 of megacities, which could become

as “locomotives” for the promotion of the domestic economy in the “developed market environment”. It is noted that the positive correlation of economic growth with a specific weight of citizens, as well as productivity with populousness of urban settlements is not axiomatic. This correlation depends on the degree of urbanization of the country, its size, nature of specificity, economic development, existing network of urban settlements, the level of concentration and heterogeneity, etc. Not only very low but also very high density of business activity, reduces overall economic efficiency. Argues that this transformation of the urban environment of Russia can lead to the formation of uninhabited territories and desertification entire regions of the country.

Key words: urbanization, urban environment, urban system, city-conurbation, city-“locomotive”, the megalopolis, the theory of poles and centers of growth, the risks of transformation of the urban environment

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I. Makeev,

Postgraduate student, Herzen State Pedagogical University of Russia;

General manager, Shipping company «Odissey», Saint-Petersburg;

e-mail: guide007@mail.ru

A. Dmitriyeva,

candidate of geographical Sciences, associate professor,

Herzen State Pedagogical University of Russia, Saint-Petersburg;

email: a111000@mail.ru

INLAND PASSENGER WATER TRANSPORT OF SAINT-PETERSBURG: WHAT PREVENTS THE DEVELOPMENT?

Problems of modern passenger river transport in St. Petersburg are considered. The industry is in urgent need of modernization since the legacy of the Soviet Union has been exhausted. Attention is drawn to the change of the hydrographic network of the city, on the relevance of the issue of the disappeared rivers and canals because in

case of the reconstruction of waterways, the old city plans will prove invaluable. The aggravation of the problem of the distribution of traffic flows in the historic center is also connected with the organization of inland water fleet, especially at night during the breeding bridges in the Big Neva area. One of the major limiting factors of water transport development of the city is a problem of pollution of rivers and canals. Only 20% of the city reservoirs can be attributed to relatively clean, while 80% can be classified as dirty and heavily dirty. It is concluded that in order to overcome difficulties and barriers to the development of the river public transport of the city on the Neva the industry needs real support of the city itself. The authors offer concrete strategic steps for further development of water tourism in St. Petersburg.

Key words: river transport, rivers, canals, hydrographic network, inland water fleet, the historical center of the city, pollution of watercourses, “shortage” of water space

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