

CONTENTS

BIOLOGY AND NATURAL SCIENCES

- Zverkova Yu.S.* The Taxonomic Structure and Extensional Distribution of the Macrozoobenthos in the river Dnieper on the Territory of Smolensk Region.
- Beryozkina G.V.* The Comparative Morphology of the Egg Masses of Freshwater Gastropod Mollusks (Gastropoda: Pectinibranchia, Pulmonata).
- Gildenkov M.Yu.* New Species of the Staphylinid Genuses *Thinodromus* Kraatz, 1857 and *Carpelimus* Leach, 1819 (Coleoptera, Staphylinidae, Oxytelinae) from Palaearctic.
- Semionenkov O.I.* Rove beetles (Coleoptera, Staphylinidae) of the Riverine Zone of the Dnieper in the Vicinity of Smolensk.
- Yourchinsky V.J., Usachov V.I.* The Statistical Analysis of Macromorphological Parameters of Thymus Glandt of Vertebrate Animals and Humans.
- Delyukina N.P., Solovyov A.S.* Evaluation of Macrophage Function upon Exposure to Low-Temperature Helium Plasma.
- Romanova I.N., Glushakov S.N., Bazylev O.V.* Ways of Increasing Yielding Capacity of New Kinds of Long-Fibred Flax.
- Ankinovich I.V.* Evaluation of Surface Waters Pollution Degree in Smolensk Region by Hydrochemical Indexes.
- Bochkareva O.D.* A Brief History of Glacial Paradigm.
- Vatlina T.V., Tikunov V.S.* Typology of Smolensk Region Districts on the Basis of Sick Rate Dynamics.
- Ermoshkina G.F., Revina O.A.* Peculiarities of Migration of Ferrum and Manganese in Natural Landscapes of the Western Part of Smolensk-Moscow Height.
- Chuvardinsky V.G.* On the Origin of End Moraine Belts on the East-European Platform.
- Shkalikov V.A., Anissimov M.L.* Abnormal Weather of the Summer Period of 2010 and its Consequences in Different Regions of Russia Including Smolensk Territory.

MATHEMATICS AND TECHNOLOGICAL SCIENCES

- Bolotin I.B.* Some Generalization of Loran's Theorem.
- Evdokimova G.S.* Multiline Systems of Mass Service with Restrictions.
- Katkov A.N.* Estimation of Achievable Error of Digital Sensors and the Required Sensitivity of Measurements of Influencing Factors.
- Kruglov V.V., Balashov O.V.* System of Methods for Development of Mathematical Models of Object Functioning in Decision Making Support Systems.
- Kryuchin O.V.* Neural Networks in Modeling Patients' State of Health on the Basis of General Blood Test.
- Rasulov K.M., Timotin A.M.* About Resolvability in the Closed Form of a Four-Element Boundary Value Problem in the Class of Byanalytical Functions.
- Rasulov K.M., Hrisanfov V.I.* On a Boundary Value Problem of Hilbert Type in the Classes of the Generalized Metaanalytical Functions in a Circle.

PHILOLOGY

- Artemyeva N.A.* Images of Animals in Krylov's Fables: the Fox.
- Belavina E.M.* «Muse of Pilgrimage»: Nikolay Gumilyov and Blaise Cendrars.
- Ovinova O.A.* Paradigms of Images in Military Prose of O.N. Ermakov.
- Trafimenkova T.A.* Phraseological Expressions and Stable Comparison with Phytonyms as a Means of Axiological Description of Man.
- Novokschonova N.I.* Morphological Markers of Dynamics of D.H. Lawrence's Individual Style.

- Belyutin R.V.* Metonymy in the Sports Discourse (Based on the German Language).
Golodnov A.V. Linguistic Representations of Objects of Evaluation in Persuasive Segment of Political Discourse.
Silnitsky A.G. The Principals of Binary Semantic Classification of Verbs (on the Examples of English «Economic» verbs with the Adject «Purpose – Money»).
Andreev V.S. Individual Style Evolution and Linguistic Representation of Space.

HISTORY

- Bespalov A.V.* The Analysis of Fighting Capacity, Moral and Psychological Condition of the Swedish Army under Perevolochna on June 30, 1709.
Kozlov M.E. Reequipment of English Shooting Units in the XVIth Century: the End of Tight Bow Age.
Morozova E.N. Zemstvo Reform: Initial Idea and the Results.
Korolev S.V. Youth Policy of the Party «The United Russia».
Bendin A.Y. Modernization of Religious Law and Manifestations of Religious and Ethnic Intolerance in the North-West Region of the Russian Empire.

PHILOSOPHY, SOCIOLOGY AND CULTURAL STUDIES

- Dyachenko O.N.* Ontological Status of Word in Middle Age Philosophy.
Pimenov V.Y. The Godconstruction of A.V. Lunacharsky as Russian Religio-Marxism.
Kochergin A.N. Logical and Semantic Modeling as the Means of Information Genesis Optimization.
Muravyova M.E. Individual Liberty in the Context of Relations between Church and State.
Griber J.A., Yoshizawa Y. Comparative Analysis of Colour Preferences in Urban Spaces of Russia and Japan.

PSYCHOLOGY AND PEDAGOGY

- Dudnikova O.G.* N.M. Przhevalsky as Teacher.
Platonova V.G. Educational Value of Tourism and Regional Studies for Rural School.
Savchenkov V.I. Integrated Ecological Education in the Interests of Sustainable Development.
Blakunov I.O. Computer Graphics as a Means to Improve the Efficiency of Teaching Programming to Students.
Senkina G.E. Application of Mathematical Methods in Pedagogical Research for Multilevel Higher Education Environment: Development of Educational Programmes and Organisation of Students' Activities.
Sukhanov M.B. Computer Experiment in Teaching Methods of Information Protection.
Mezhevova J.A. Origin and Development of Russian Academic System of Drawing Education – the System of Professional Skill and Highly Productive Vocational Training.
Yolkin S.M. Ethnicity as a Phenomenon of Culture and Education.
Sonin V.A. Psychology is Freud? Social Interpretation of Psychoanalysis.
Chukova A.S. Social-Psychological Characteristics of Forgiveness Process.

SCIENTIFIC EVENTS

- Solovyeva F.E.* Results of Olympiad of School Students from the Union State «Russia and Belarus: Historic and Spiritual Unity».

BOOKS

Ermolenko G.N. Structural Textology of G.G. Silnitsky and the Problem of Poetic Text Specific Features in Modern Theory of Literature.

CONFERENCES

Efimova S.N. American Russian Studies in the Mirror of Large-Scale Slavic Philology Conference.

OUR AUTHORS

SYNOPSIS OF THE JOURNAL

BIOLOGY AND NATURAL SCIENCES

Yu.S. Zverkova

The Taxonomic Structure and Extensional Distribution of the Macrozoobenthos in the river Dnieper on the Territory of Smolensk Region

Key words: *macrozoobenthos; taxonomic structure; species diversity; toxical pollution.*

The hydrobiological analyses carried out in different parts of the river Dnieper on the territory of Smolensk region have allowed to study the taxonomic structure of the macrozoobenthos including 97 species and taxonomic units whose rank is higher than that of a species. Data about the extensional dynamics of the species and the quantitative development of the macrozoobenthos assemblages have been obtained. It has been stated that under the influence of the toxical pollution a great reduction close to the complete extinction of the number of species and of the species diversity of the assemblages of hydrocoles takes place.

G.V. Beryozkina

The Comparative Morphology of the Egg Masses of Freshwater Gastropod Mollusks (Gastropoda: Pectinibranchia, Pulmonata)

Key words: *Gastropoda; Pectinibranchia; Pulmonata; morphology; reproductive biology; egg masses; reproductive adaptations.*

This paper is devoted to the question of some reproductive adaptations in freshwater gastropod mollusks: the number, the morphology and the origin of the egg cell membranes, their chemical composition and characteristics; the localization of nutritive substances; the shape of syncapsules; the arrangement of egg clusters in external environment.

M.Yu. Gildenkov

New Species of the Staphylinid Genuses *Thinodromus* Kraatz, 1857 and *Carpelimus* Leach, 1819 (Coleoptera, Staphylinidae, Oxytelinae) from Palaearctic

Key words: *Coleoptera; Staphylinidae; Oxytelinae; Thinodromus; Carpelimus; Palaearctic; new species.*

*The article describes new species from Palaearctic: *Thinodromus (Amisamus) crassus* sp.n. from Greece, *Carpelimus (Trogophloeus) euphratensis* sp.n. and *C. (Trogophloeus) hilfi* sp.n. from Turkey, *C. (Trogophloeus) rivus* sp.n. from France and *C. (Trogophloeus) scheerpeltzi* sp.n. from Southern Afghanistan.*

O.I. Semionenkov

Rove beetles (Coleoptera, Staphylinidae) of the Riverine Zone of the Dnieper in the Vicinity of Smolensk

Key words: *Staphylinidae; new data about distribution; the Dnieper; ecology; riverine zone.*

*The article deals with the results of Staphylinidae fauna studies in the riverine zone of the Dnieper in the vicinity of Smolensk according to the materials of the author's research during 2009–2010. Two genera (*Eucnecosum* Reitter, 1909 and *Thinobius* Kiesenwetter, 1844) and 21 species of rove beetles were specified in Smolensk region for the first time. The article presents the list of species for each of the 6 marked types of the Dnieper banks and a comparative analysis of rove beetles fauna of different types of the river bank.*

V.J. Yourchinsky, V.I. Usachov
The Statistical Analysis of Macromorphological Parameters
of Thymus Glandt of Vertebrate Animals and Humans

Key words: *thymus glandt; comparative morphology; evolutionary morphology; vertebrate animals; criteria of differences; significance value; correlations.*

The article presents the comparative analysis of the change of thymus glandt macromorphological parameters of ground vertebrates. Reliability of the received distinctions and the presence of correlations are proved statistically.

N.P. Delyukina, A.S. Solovyov
Evaluation of Macrophage Function upon Exposure
to Low-Temperature Helium Plasma

Key words: *helium plasma; plasma flow; macrophages; phagocytes; phagocyte activity; chemiluminescence; acid phosphatase; 5'-nucleotidase.*

The phagocyte activity, chemiluminescence response, acid phosphatase and 5'-nucleotidase activities of peritoneal macrophages were studied upon their exposure to low-temperature helium plasma. Plasma flow with a helium consumption of 2 L/min and upon 30-second exposure resulted in stimulation of the functional activity of macrophages. Their phagocyte activity, chemiluminescence response and acid phosphatase activity were increased. Longer exposure to helium plasma up to 60–180 seconds caused depressed phagocyte functions.

I.N. Romanova, S.N. Glushakov, O.V. Bazylev
Ways of Increasing Yielding Capacity of New Kinds of Long-Fibred Flax

Key words: *long-fibred flax; technology of cultivation; sort; sowing terms; fertilizers; yielding capacity; straw; fiber; long-fibered; seeds.*

In conditions of non-chernozem zone of RF kinds of long-fibered flax of Smolensk selection C-108, Impulse, Lavina and Prince have high potential yielding capacity: flax straw – 6,0–6,8; fiber – 1,24–1,31; seeds – 1,14–1,16 t/hectare. To achieve such results, it is necessary to seed long-fiber flax at the end of April and at the beginning of May, and also to apply nitrogen fertilizers at the rate 60 kg/hectare according to the scheme N40 before sowing + N20 during the so-called «herring phase» treatment.

I.V. Ankinovich
Evaluation of Surface Waters Pollution Degree in Smolensk Region
by Hydrochemical Indexes

Key words: *rivers; hydro-chemistry; pollution substances; pollution level; complex indexes; water quality class; urbanized territories; anthropogenic press.*

The article describes the statistical information about the pollution level of surface waters in Smolensk region. The influence of urbanization on the quality of natural waters is revealed. Spatial-temporal variability in the degree of river pollution was estimated using complex index of water quality and variation of complex index in top and control points of the rivers.

O.D. Bochkareva
A Brief History of Glacial Paradigm

Key words: *paleogeography; geology; quaternary; cainozoic; glacial concept.*

The article briefly discusses the emergence and development of glacial paradigm in the late Cenozoic paleogeography. It shows contradictions with modern facts about the movement of glaciers and their geological work. At present a number of papers refute both boulders delivery by glaciers and active work which is attributed to ice cover.

T.V. Vatlina, V.S. Tikunov
Typology of Smolensk Region Districts on the Basis of Sick Rate Dynamics

Key words: *typology; mathematical and cartographic modeling; dynamics; environmental quality; sick rate; ecological pathology.*

In the studies of medical geography typology of territories is very important, which takes into account different characteristics of public health. The article is based on mathematical and cartographic modeling and reveals spatial variability characteristics of sick rate during the observation period for groups of similar areas. Besides, the effect of environment on health was considered at the regional level.

G.F. Ermoshkina, O.A. Revina
Peculiarities of Migration of Ferrum and Manganese
in Natural Landscapes of the Western Part of Smolensk-Moscow Height

Key words: *microelements; geochemical conjugation; biogenic migration; typomorphic elements; biofriendly elements.*

The article analyses the laboratory study results of ferrum and manganese biogenic and water migration in natural landscapes of the Western part of Smolensk-Moscow Height. It outlines the most important peculiarities of concentration and migration of these elements in soil-forming and plant materials as well as their behaviour in conjugated landscapes.

V.G. Chuvardinsky

On the Origin of End Moraine Belts on the East-European Platform

Key words: *end moraine belts; glacial tectonics; neotectonic faults; neotectonic dislocations.*

Formation of glacial relief on the East European platform was caused by neotectonic activation and movements along faults in crystal basement. Movements along faults led to the formation of numerous erratic masses, «glacial dislocations», near-fault swells, ridge-hill complexes (end moraine belts).

V.A. Shkalikov, M.L. Anissimov

Abnormal Weather of the Summer Period of 2010 and its Consequences in Different Regions of Russia Including Smolensk Territory

Key words: *abnormal temperature; forest fire; burning of peats; burning of rubbish heaps; drought; consequences of fires; forest code.*

The article presents information about unusual heat in July – August 2010 in many regions of Russia. Main consequences of abnormal weather of the summer period this year are considered, forest fires and burning of peats have been examined. Details about weather conditions of the abnormal period and its consequences on the territory of Smolensk region are described.

MATHEMATICS AND TECHNOLOGICAL SCIENCES

I.B. Bolotin

Some Generalization of Loran's Theorem

Key words: *analytical function; neighborhood with slit; boundary value.*

The paper is devoted to the proof of one presentation of analytical function in a ring domain with slit. Using obtained representation, boundary value of analytical functions and their derivatives are studied.

G.S. Evdokimova

Multiline Systems of Mass Service with Restrictions

Key words: *systems with standby function; systems with losses; unified approach; conditions of variable load; variables; construction of mathematical models; reality; periodic parameters; ergodic properties.*

This article deals with multiline systems of mass service with different types of restrictions, which can be covered by the unified method on the condition that the incoming stream of requirements is of Poisson type with the leading measure of period τ .

A.N. Katkov

Estimation of Achievable Error of Digital Sensors

and the Required Sensitivity of Measurements of Influencing Factors

Key words: *digital sensor; error; influence quantity.*

The article analyses the influence of outer factors on measurement signal and presents formulas for the estimation of achievable error of digital sensors and auxiliary sensors sensitivity, taking into account their nonlinearity; examples are given. Scientific-technical novelty is in the derived formulas, which are actual for the development of sensors.

V.V. Kruglov, O.V. Balashov

**System of Methods for Development of Mathematical Models
of Object Functioning in Decision Making Support Systems**

Key words: *support systems of decision making; the theory of possibilities;
organizational-technical systems; mathematical models of operation of objects.*

On the basis of the theory of possibilities the way for the development of the system of methods is presented, which enables to develop models of assessment of single objects possibilities (within the range of their functions) in organizational-technical systems.

O.V. Kryuchin

**Neural Networks in Modeling Patients' State of Health
on the Basis of General Blood Test**

Key words: *artificial neural networks; blood test; classificatory.*

Medical object modeling on the basis of artificial neural networks is described in this article. Medical object is the dependence between a patient's state of health and the general analysis of blood. ART is used as artificial neural networks system.

K.M. Rasulov, A.M. Timotin

**About Resolvability in the Closed Form of a Four-Element Boundary
Value Problem in the Class of Byanalytical Functions**

Key words: *boundary value problem; byanalytical function; Carleman shift; degenerate kernel; closed form.*

The article is devoted to finding some sufficient conditions of resolvability in the closed form of a four-element boundary value problem of Riemann type with Carleman shift for byanalytical functions.

K.M. Rasulov, V.I. Hrisanfov

**On a Boundary Value Problem of Hilbert Type
in the Classes of the Generalized Metaanalytical Functions in a Circle**

Key words: *boundary value problem of Hilbert type; boundary value problem of Riemann; differential equation; generalized metaanalytical function.*

This article deals with the boundary value problem of Hilbert type for the generalized metaanalytical functions in the single circle. We have proved that the solution of the considered problem is reduced to the solution of two problems of Hilbert in the class of analytical functions in the single circle.

PHILOLOGY

N.A. Artemyeva Images of Animals in Krylov's Fables: the Fox

Key words: *Krylov's fables; images of animals; allegory.*

In the article characteristics of Fox's image in Krylov's fables is considered. The appearance, speech and opinions of other personages about the animal are described. A conclusion is made that I.V. Krylov builds the image of Fox on the contrast between outward actions and concealed aims.

E.M. Belavina «Muse of Pilgrimage»: Nikolay Gumilyov and Blaise Cendrars

Key words: *Gumilev; Cendrars; acmeism; simultanism; History of Russian and French Versification Systems.*

N. Gumilev and B. Cendrars are influential figures in early XXth century poetry movements: acmeism and simultanism. Both poets chose travel-inspired topics. Their poetry differs not only in distinctive genre elements and imagery. The distinctions are found in phonaesthetics, in their handling of rhyme patterns, rhythmics, and versification. Their art reflects an important stage of evolution of French syllabic and Russian syllabotonic versification in transition to verse libre.

O.A. Ovinova Paradigms of Images in Military Prose of O.N. Ermakov

Key words: *O.N. Ermakov; military prose; poetic image; image paradigm; poetic world of the author.*

The article deals with the most productive paradigms of images in military prose of O. Ermakov. The stories of 1980–90th about war and the novel «An Animal Sign» served as material. The analysis of images makes it possible to reveal important tendencies, characteristic of figurative language of Ermakov's military prose. Using the novel as an example, Dominants are singled out in the poetic world of the author in which the priority is given to images of space domination over man. Such images are tightly connected with images of time, elements and light. Interaction of these images, opposed to the person-at-war, is defined as an important stylistic feature of figurative language of Ermakov's military prose.

T.A. Trafimenkova Phraseological Expressions and Stable Comparison with Phytonyms

as a Means of Axiological Description of Man

Key words: *phraseological unit; stable comparison; phytonym; axiological description; man.*

The article deals with the analysis of phraseological units and stable comparisons with phytonyms, which are used in the language as a means of axiological description of man. These linguistic structures are classified according to the qualities defined by them. Various correlations, which determine their structural and semantic characteristics, have been revealed.

N.I. Novokschonova

Morphological Markers of Dynamics of D.H. Lawrence's Individual Style

Key words: *stylometry; dynamics of style; morphological markers; discriminant analysis.*

The article deals with the search of linguistic markers which define the development of the author's individual style within stylometric approach. Discriminant analysis, aimed at differentiation of three periods in the creative activity of the author, is used.

R.V. Belyutin

Metonymy in the Sports Discourse (Based on the German Language)

Key words: *sports discourse; metonymy; metonymical meaning; metonymical model; concept; frame; source domain; target domain.*

The article is devoted to the analysis of metonymical patterns in German sports discourse. From the point of view of cognitive linguistics metonymy is not only a means of a language, but also of thinking, a means for various reality facts conceptualization. Communicative status of metonymy in the sports discourse can be measured by the quantity of active metonymical models that represent sports concepts, by the possibility of linguistic expression of referential transfers, integration of new meanings in historic, social, cultural space of national world image.

A.V. Golodnov

Linguistic Representations of Objects of Evaluation in Persuasive Segment of Political Discourse

Key words: *persuasion; political discourse; persuasive segment of political discourse; strategy of evaluation; object of evaluation; linguistic representation of the object of evaluation.*

The article deals with linguistic representation of the objects of evaluation in the persuasive segment of political discourse, which were identified by the analysis of German political polemic texts. The article includes classifications of linguistic representations of objects of evaluation according to evaluation potential, to explicitness of representation and to the structure of representation.

A.G. Silnitsky

The Principles of Binary Semantic Classification of Verbs

(on the Examples of English «Economic» verbs with the Adject «Purpose – Money»)

Key words: binary principal; semantic classification; economic verb; adject; hierarchical level; subcluster; privative and equipollent oppositions; «variativity » of a complex.

The article is dedicated to the analysis of the principles of binary classification, based upon the semantic features of an adject of a selected list of “economic” verbs in English. An example of such a classification, formed on eight hierarchical levels on the basis of relevant privative and equipollent semantic oppositions between binary complexes, is given. The taxonomic significance of every element of the subsystem is indicated.

V.S. Andreev **Individual Style Evolution and Linguistic Representation of Space**

Key words: individual style; representation of space; structure; evolution.

The article deals with representation of space in verse text at different stages of H.W. Longfellow’s individual style development. The list of utilized characteristics includes the degree of stratification, homogeneity, dynamics / static ratio, number of explicitly expressed dimensions, etc. Conclusions are made concerning the main tendencies in transformation of the representation of textual space.

HISTORY

A.V. Bespalov **The Analysis of Fighting Capacity, Moral and Psychological Condition of the Swedish Army under Perevolochnaon June 30, 1709**

Key words: actions; the analysis; decisive battle; fighting capacity; capitulation.

The article investigates the actions of Swedish and Russian armies and presents the analysis of fighting capacity, moral and psychological condition of Carolinians from the end of decisive battle near Poltava till the events at the Dnieper on June 30, 1709

M.E. Kozlov **Reequipment of English Shooting Units in the XVIth Century: the End of Tight Bow Age**

Key words: Henry VIII Tudor; Edward VI; Mary Tudor; Elizabeth Tudor; Thomas Odili; John Smith; Hemfri Barvik; Roger Williams; the lord-lieutenant; the Law about Arms; fi re-arms; arquebus; bow.

This article is devoted to the English army modernisation during the Tudor dynasty rule. The reequipment of infantry shooting units is taken as the example. The main reasons, which lead to the beginning of the military reforms by Henry VIII, are analyzed in the article, the interconnection with the process of capitalism and absolutism development in Europe is revealed. The author describes the difficulties and contradictions, which appeared due to the

substitution of bows by arquebuses and muskets. Different opinions of statesmen and a number of official documents concerning this issue are given in the article.

E.N. Morozova
Zemstvo Reform: Initial Idea and the Results

Key words: reforms; N.A. Milyutin; P.A. Valuev; S.S. Lanskoy; zemstvo police; Ministry of Internal Affairs; local government; central representation; zemstvo committees; Decree of 1864.

The final variant of zemstvo reform differed considerably from the initial ideas. The logic of the police reform led N.A. Milyutin to the idea of the radical transformation of the whole local government, in which zemstvo committees had to become constituents. But Alexander II declined this idea. The history of the development of zemstvo reform demonstrated clearly that the way the reform was implemented in the Decree of 1864 was not planned by its authors as an independent legal act.

S.V. Korolev
Youth Policy of the Party «The United Russia»

Key words: youth policy; youth movement; Russian political parties; transformation of Russian society; «The United Russia»; «Young Guards of the United Russia».

The article presents the material reflecting the basic directions of youth policy of modern Russian parties. The realization of youth policy by «the party in power» – «The United Russia» and the reasons of its youth policy activation are analyzed, conditions are considered under which youth organizations become leaders of the Russian society.

A.Y. Bendin
Modernization of Religious Law and Manifestations of Religious and Ethnic Intolerance in the North-West Region of the Russian Empire

Key words: North-Western Territory; tolerance; proselytism; mainstream church; tolerant church; canon law; intolerance.

The article deals with the modernization of the religious legislation of the Russian Empire. The author analyzes the ideology and objectives of the decree on religious tolerance, 17 April 1905 and the laws of the Roman Catholic Church on December 26, 1905. Special attention is paid to the causes and phenomena of religious and ethnic intolerance on the part of the Roman Catholic clergy.

PHILOSOPHY, SOCIOLOGY AND CULTURAL STUDIES

O.N. Dyachenko
Ontological Status of Word in Middle Age Philosophy

Key words: Augustine; the Middle Ages; philosophy; word; God; Revelation; the world; person; meaning.

The article analyses the medieval experience of existence perception, which was carried out by means of the interpretation of the Divine Word. This appears identical to the comprehension of truth since it is the Word, in which the ontological meaning of all the reality is concentrated according to philosophers of the Middle Ages.

V.Y. Pimenov

The Godconstruction of A.V. Lunacharsky as Russian Religio-Marxism

Key words: Godconstruction; A.V. Lunacharsky; religion; Marxism; revolution.

A.V. Lunacharsky's philosophical ideas are not only the basis for the influential philosophical current of the beginning of the XX century – the Godconstruction, but also the adaptation of the Marxism which has become the ideological matrix of the bolshevik revolutionary transformations, especially in the culture sphere. Lunacharsky's godconstruction the main principles of which have been stated in the book «Religion and socialism», is the original religio-Marxism as the highest stage of the religious idea development, whose essence is the sermon of collectivism and unity of the people resisting the blind and ruthless forces of nature. Attaching new meaning to the concept religion, Lunacharsky underlines the religious aspects of Marxism, expanding its meaning and purposes.

A.N. Kochergin

Logical and Semantic Modeling as the Means of Information Genesis Optimization

Key words: information; information genesis; optimization; selection; logical and semantic modeling; logical and mathematical modeling; transformation; formalization.

The article proves that the improvement of the methodology of scientific information creative transformation is connected not with perfection of the traditional methods but with the sphere of elaboration of new methods of logical and semantic modeling, based on the knowledge of the creative process and the peculiarities of information genesis. The article also formulates the principles of logical and semantic modeling and the conditions, which influence the selection and sorting out of information in the process of logical and semantic modeling. The method of logical and semantic modeling is the means of optimization but not replacement of a researcher's creative effort.

M.E. Muravyova

Individual Liberty in the Context of Relations between Church and State

Key words: liberty; Church; State; liberty of conscience.

The article considers various aspects of the relation between Church and State: from medieval to modern philosophy. The author concludes that the realization of the individual liberty is possible only if the functions of Church and State are delimitated. It is necessary to distinguish between social and spiritual liberty; the latter is more important than the former.

**J.A. Griber, Y. Yoshizawa
Comparative Analysis of Colour Preferences
in Urban Spaces of Russia and Japan**

Key words: *colour choice; colour preference; experimental research; urban space; comparative analysis.*

The article analyses the results of the social-psychological experiment, which models a situation of choice of colour for an architectural façade. The general tendencies and the basic signs of distinction in the organization of experience of colour choices in urban spaces of Japan and Russia are characterized.

PSYCHOLOGY AND PEDAGOGY

**O.G. Dudnikova
N.M. Przhevalsky as Teacher**

Key words: *pedagogic activity; teaching Geography; military educational establishment; course book; didactic materials; lectures for Grand Dukes.*

This article is devoted to the pedagogic activity of Nikolai Przhevalsky which has been on the periphery of scientific research. Nevertheless, Przhevalsky worked as a Geography teacher at Warsaw Military School, published an original course book in Geography, gave lectures about his travels and discoveries to Grand Dukes Nikolai and Grigory.

**V.G. Platonova
Educational Value of Tourism and Regional Studies for Rural School**

Key words: *regional component; research activity; features of rural school; tourist activities; forms of regional studies.*

The article discusses the efficiency of educational work in the course of tourist activities and regional studies.

**V.I. Savchenkov
Integrated Ecological Education in the Interests of Sustainable Development**

Key words: *ecological crisis; principle of the sustainable development; interdisciplinary approach; humanization of the education; ecological consciousness; analysis of students' ecological consciousness levels.*

The article considers special features of the ecological education in the context of the concept of sustainable development and its new role of the integrating factor in education. Multiple-aspect type of contemporary ecological problems implies interdisciplinary approach to education, the integration of different branches of knowledge about Man, Society and Nature. The article presents the results of the comparative analysis of the ecological consciousness levels among students in experimental and control classes.

I.O. Blakunov
**Computer Graphics as a Means to Improve the Efficiency
of Teaching Programming to Students**

Key words: computer graphics; teaching programming to school students; developing students' interest in IT sphere; improving the efficiency of teaching.

The article deals with one of the approaches to teaching programming based on visualization of the final product. The obtained results confirm the fact that computer graphics is a useful means for developing students' interest in programming.

G.E. Senkina
**Application of Mathematical Methods in Pedagogical Research
for Multilevel Higher Education Environment: Development
of Educational Programmes and Organisation of Students' Activities**

Key words: Pedagogical research; mathematical methods; multilevel higher education; designing educational programmes; scientific research.

The paper investigates the issues in development designing of educational programmes and organisation of students' scientific research, providing a comprehension of mathematical methods in pedagogical research. Recommendations on training of faculty members in development of educational programmes are given, particularly for multilevel higher education environment. An algorithm for organisation of master's students' scientific research was developed.

M.B. Sukhanov
Computer Experiment in Teaching Methods of Information Protection

Key words: skills in research activity; training; computer experiment; mathematical modeling; efficiency of factorization algorithms; protection of information.

The article deals with the issues of teaching basic skills in information protection using the possibilities of quantum algorithms of factorization. As an experiment we suggest to investigate the influence of natural numbers value on the number of operations necessary for their factorization. Interdisciplinary connections of computer science and physics with reference to deciphering the information are shown. All calculations for this research were carried out in Mathcad system.

J.A. Mezhevova
**Origin and Development of Russian Academic System of Drawing Education
– the System of Professional Skill and Highly Productive Vocational Training**

Key words: drawing education; methods of teaching; realistic drawing; academic drawing; the Academy of Arts; nature; the analysis of nature; graphic letter.

The article considers historical preconditions and factors of origin and development of Russian academic school of drawing education, investigates the positions of outstanding figures

in science and Art concerning priorities in teaching Fine Arts. The merits and disadvantages of alternative forms and methods of drawing education, developed in Russia in the XIXth – the beginning of the XXth century, are analyzed. The main idea of the article is that today when the Academic system is only one of the variants of drawing education, it should be the original standard of quality and productivity.

S.M. Yolkin
Ethnicity as a Phenomenon of Culture and Education

Key words: ethnicity; method of cultural and pedagogical types; mythological, theological, social, naturalistic and anthropological components.

The article discloses the ethnicity phenomenon as a unity of five components: mythological, theological, social, naturalistic and anthropological. The essence of the investigated phenomenon is analyzed on the example of the Russian nation.

V.A. Sonin
Psychology is Freud? Social Interpretation of Psychoanalysis

Key words: the unconscious; conscious mind; catharsis; libido; id; ego; super-ego; repression; denial; defensive mechanisms; sublimation; psychosexuality.

The article deals with the major issues of psychoanalysis created by Sigmund Freud, a famous Austrian psychiatrist, psychotherapist, psychologist and the author of multiple books and research. This article analyses the main ideas of the most famous scientific concept of the XXth century, which caused heated discussion of scientists and various reactions from adoration to absolute denial. The author of the article suggests that it will be of interest for specialists in psychology and philosophy, education and culture, history and political studies, linguistics and physiology.

A.S. Chukova
Social-Psychological Characteristics of Forgiveness Process

Key words: forgiveness; forgiveness process; offender; offended; expression of forgiveness; search for forgiveness.

The social-psychological analysis of characteristics of forgiveness is presented in this article. The analysis is based on “My case of forgiveness” essay technique. Forgiveness is a process where every stage implies certain affections, decisions, activities, and the process has particular characteristics for the offender and the offended.