

АННОТАЦИИ СТАТЕЙ НА АНГЛИЙСКОМ ЯЗЫКЕ**LITERATURE STUDIES AND LINGUISTICS**

P. 7. *Kalitkina G.V.* **TEXTS OF MIDOB ARCHIVE AS PRINCIPLE SOURS OF THE DIALECT LINGUISTIC CULTUROLOGY.** The article discusses the specifics of the MidOb dialects Archive texts which can be used as sours of the local culture traditions reconstruction.

P. 13. *Tubalova I.V.* **THE TEXT'S MODELS OF FOLK ESTIMATION IN CHASTOOSHKA AND ANECDOTE: FOR THE PROBLEM OF FOLKLORE LAUGHABLE CULTURE TRANSFORMATION.** Chastooshka and anecdote are examined as the texts of indivisible folklore laughable culture, the base of which is the primordial necessity of collective consciousness to construct «parallel» world, the world of carnival. In the base of their interpretation dynamics there is a model of the destruction of common conceptions about the world, corresponded to traditional culture, and development of the forms of analytical activities and its aesthetic reflection.

P. 19. *Shestakova I.G.* **THE LINGUAPRAGMATIC ASPECT OF SCIENCE AND TECHNIQUE ADVERTISEMENT.** This article deals with the linguapragmatic aspect of science and technique advertisement to reveal the influence of the addresser's interpretation on the realization of the pragmatic aim of the text.

THE PROBLEMS OF FOREIGN LANGUAGE TEACHING

P. 26. *Alexandrow O.A.* **THE PECULIARITIES OF METATEXTS IN FOLK SPEECH.** The article deals with the peculiarities of metatexts used in conversational patterns of Russian Germans living in Siberia. The analysis of metatext is considered to be an indispensable feature of the description of the languages that had not been studied before.

P. 29. *Bakalo D.I.* **REALITY COGNITION AND REFLECTION PECULIARITIES IN TRANSLATOR'S CONSCIOUSNESS IN THE PROCESS OF PROFESSIONAL ACTIVITY.** The article analyses the problems of reality cognition and reflection, which define the adequate product of translation. Three determinants in this concept are defined: linga-cultural personality of a translator, awareness of a different conceptual system and model of knowledge presentation. It is said here that the formation of a special semantic sector in a translator's consciousness will allow to cognize the information perfectly well while the adequate reflection is determined by the ability of two different conceptual systems comparison and lacuns elimination. All that makes possible to create as a result an intratextual coherent text which reflects its ethno-, hrono- and sociospecificity.

P. 32. *Gural S.K.* **LANGUAGE AS A PROCESS AND A SELF DEVELOPING SYSTEM.** In the article given below the author is trying to show that language teaching methods are conditioned by our understanding the language nature. The author considers language as a constantly changing communicative system and is trying to prove that the language research is bearing an interdisciplinary character. Undoubtedly to make the language teaching success it is necessary to know the language nature with an account of constantly changing language model.

P. 36. *Kobenko J.V.* **THE ENGLISH BORROWING «WAVES» IN THE HISTORY OF THE GERMAN LANGUAGE.** The article focuses on two biggest «waves» of English borrowings and their distinctive features, which were of crucial importance to the historical development of the German language.

P. 40. *Maslyuk A.A.* **LANGUAGE TEACHER RETRAINING IN IT-SPHERE BY DISTANCE LEARNING.** The article concerns a distance learning course developed at Tomsk State University and aimed at retraining school foreign language teachers to empower them with the ability to use IT in their professional activities. Common problems encountered, solutions found, and pedagogical technologies used in the course are described. Results and structure of the course are compared to those of full-time teacher retraining course.

PHILOSOPHY

P. 42. *Kashpur V.V.* **NOTION «COMPETITION» IN EDUCATION SYSTEM RESEARCH: METHODOLOGICAL GROUNDS OF APPLICATION.** The article considers the possibilities of applying the notion «competition» to education system analysis. Methodological approaches to the competition phenomenon are characterised. The experience of the actionist approach to analyzing competition among general educational institutions is described in the conclusion.

P. 45. *Mehrishvili L.L.* **THE TYUMEN STATE OIL AND GAS UNIVERSITY THE DEPARTMENT OF SOCIAL WORK.** The paradigms of the Social politics, understanding and definition of the Social politics's place in activities of Government and other branches of the Power are the objects of theoretical disputes and debates. The analysis of definitions «Social politics» during retrospection gives opportunity to make conclusion: last time, priorities change from absolutisation of Society, Social sphere of society to absolutisation of individuality, people, personality. It's high time to change priorities and to stand the weal of people over the weal of State. We should understand that the weal of State was made without the weal of people and own weal of every person is the part of the State weal.

P. 51. *Orlov E.V.* **ON RUSSIAN TRANSLATIONS OF ARISTOTLE.** The paper is devoted to comparative analysis of the literal translation and translation into good Russian. The author is arguing for literal translation as appropriate and useful approach, at the same time accepting both kinds of translation as quite legitimate. The argument involves discussion of certain tenets of the translation theory and contrastive linguistics.

P. 60. *Platonova A.V.* **ETHICAL QUESTIONS OF PHILOSOPHY OF TECHNICS.** Problem of the responsibility of the person in conditions of a technical civilization. Danger proceeds from the increased technological power, capable to stop the further existence of mankind.

There is an imperative need in special to the ethics focused on the contents of technical activity of the person. Ethics of the responsibility should answer a question: who bears the responsibility for the expected and unforeseen consequences in conditions of collective technical activity?

P. 63. *Choukhno A.V.* **DEATH AT THE TEMPORAL STRUCTURE OF BEING.** There an author's analysis of various philosophical attitudes to one's mortality cognition in the article. Besides, the problem is been considered on the temporal ground – by using a temporal ontology approach.

CULTUROLOGY

P. 66. *Budenkova V.E.* **TWO WAYS OF THE ONTOLOGY FORMING AND NON-CLASSICAL EPISTEMOLOGY PERSPECTIVES.** The problem of ontological foundations of the non-classical epistemology is discussed in this article. Two ways of the ontology forming – «from subject» and «from object» and two epistemological positions – realism and constructivism – are compared. It is suggested to combine these trends for non-classical epistemology basis creation.

P. 72. *Galkin D.V., Kazankina E.V.* **TRUTH IN THE WORLD WITHOUT TRUTH: SELF-DEFINITION OF INTELLECTUALS IN POSTINDUSTRIAL CULTURE.** The article presents analysis of transformations of social and cultural status occupied by intellectuals in postindustrial societies. Authors analyze changes and major factors of self-definition cultural producers have to make in the context of postindustrialisation. Problems of autonomy and critical function of intellectuals are discussed. Economic self-definition of intellectuals as «New Class» and «Creative Class» of postindustrial society is analyzed. Author approach setting the problem of historical choice intellectuals have to make between autonomy\social critic and economic effectiveness.

P. 80. *Saveleva E.N.* **SPECIFIC NATURE OF CINEMATOGRAPHY: RETURN TO THE PROBLEM.** The nature of cinematography differs from other forms of art. The main point of its specific character is still the subject of controversy and disagreement. Taking into account (historically formed) traditional concepts, let's approach to the problem of specific nature of cinematography from another point of view. Accentuate belonging of cinematography to the sphere of art. For this we are going to have a look at cinematography as a new model of art and symbolic transformation of reality, key moment of which is the use of reality itself as a material.

P. 83. *Tichonova E.P.* **EAST – WEST: CHARACTERISTIC POINT CULTURED SELF-CONSCIOUSNESS XX–XXI CENTURY.** Cardinal reevaluation of the problem of comprehension of intercultural dialogue is the symbolic landmark of cultural and philosophical contemporary thought. «Collective communication» formation requires careful study of the specific of global historical and cultural systems of East and West. East and West in the contemporary cultural philosophy are designation of the two different ways of human existence in the world; ways which form alternative sociocultural and ethnopolitical systems of the world. Creative integration of cultural and civilized resources of East and West is the strategic task of the 21st century.

HISTORY

P. 87. *Batalova T.I.* **ACTIVITIES OF THE STOCK COMPANY OF THE ACHINSK-MINUSINSK RAILWAY.** The article traces the history of the Achinsk-Minusinsk railway, one of the first Siberian private railways of public usage.

P. 91. *Bykasova L.V.* **VALUABLE-MOTIVATIONAL OF PHILANTHROPIC ACTIVITY IN THE WESTERN SIBERIA OF PRE-REVOLUTIONARY PERIOD.** The valuable-motivational structure of philanthropic activity is analyzed on the Russian and foreign material, and the valuable-motivational picture of philanthropy of the Western Siberia of pre-revolutionary period is recreated. The content of the article enables to consider about the philanthropy as a historical-cultural phenomenon and one of the factors of spiritual revival of modern Russian.

P. 96. *Kubanov K.G.* **RUSSIAN PROJECTS AGAINST INDIA IN XIXth CENTURY: REASONS AND AIMS.** The present article deals with the colonial policy and invasive activity of Great Britain and Russian Empire in the Central Asia in the XIXth century. The governmental circles of these two countries regarded Central Asia as an arena of the struggle for the great power interests. A considerable role in struggle between England and Russia was given to the Russian projects against Anglo-Indian army in India. Russian officers considered the movement towards India's borders, Great Britain's colony, to be one of the ways of safeguarding the military security of the Russian empire. On the initiative of the Military Ministry different measures were being undertaken to weaken or to neutralize England's influence in the region. According to the source materials, they tried to disrupt British colonial expansion to the south-east boarder of Russian Empire and to protect it in occasion of Anglo-Russian war in Asia and beyond, to make British European policy friendlier to Russia.

P. 98. *Prikhod'ko N.N.* **THE THEORY OF FRONTIER IN GEOPOLITICS TO THE EASTERN PERIPHERY OF RUSSIA.** The article is devoted to the theory of frontier which emerged when the history of European colonization of North America was analyzed. It is argued that the theory is fundamentally applicable to the Eastern periphery of Russia.

P. 103. *Sazonova N.I.* **TEKSTOLOGY CHURCH REFORM OF THE PATRIARCH NIKON (1654–1666) IN POLEMICAL LITERATURE OLD BELIEVER 2 FLOORS XVII c.** The article is dedicated to that, as changes to text of the church books were reflected in polemical literature XVII age. At the article are considered questions of the particularities of the perception of the church text and its modification old believer and influences of the modification the church text to position enemy church reform of the Patriarch Nikon.

MATHEMATICS

P. 107. *Babanskaya O.M.* **CONNECTIONS BETWEEN CYCLIC GROUPS OF PRIME ORDERS AND HOMOMORPHISM GROUPS.** There exist various connections between homomorphism groups and direct sums and products of abelian groups. For instance, natural isomor-

phisms $\text{Hom}\left(A, \prod_{i \in I} B_i\right) \cong \prod_{i \in I} \text{Hom}(A, B_i)$ and $\text{Hom}\left(\bigoplus_{i \in I} B_i, A\right) \cong \prod_{i \in I} \text{Hom}(B_i, A)$ are often used. In this paper, as well as in [1], we

consider the case when $\text{Hom}\left(A, \bigoplus_{i \in I} B_i\right) = \text{Hom}\left(A, \prod_{i \in I} B_i\right)$, which is equivalent to existence of the natural isomorphism $\text{Hom}\left(A, \bigoplus_{i \in I} B_i\right) \cong \prod_{i \in I} \text{Hom}(A, B_i)$. Let M be a set of groups $\{Z(p) \mid p \text{ runs through an infinite set } T \text{ of prime numbers}\}$. An abelian group is called M -large if $\text{Hom}\left(A, \bigoplus_{p \in T} Z(p)\right) = \text{Hom}\left(A, \prod_{p \in T} Z(p)\right)$. This paper presents characterization of torsion free and mixed M -large groups.

P. 111. *Grinshpon I.E.* **DETERMINITY OF VECTOR GROUPS BY THEIR HOLOMOPHS.** In the paper holomorphs of vector groups are investigated. Properties of Γ -decomposition of such groups are established. Criterion of determinity of vector groups by their holomorphs is received.

P. 114. *Grinshpon S.Ya., Yeltsova T.A.* **HOMOMORPHIC STABILITY OF ABELIAN GROUPS AND FULLY TRANSITIVITY.** In the paper homomorphic stability of homogeneous fully transitive abelian groups is investigated. It is shown that homogeneous fully transitive group is homomorphic stable with any abelian group. Criterion of homomorphic stability abelian group relatively with homogeneous fully transitive group of idempotent type is established.

P. 117. *Kobylyna M.S.* **LOCALLY UNIFORMLY SPACES IN THE FORM OF $C(K)$, WHERE K IS A LINEARLY ORDERED SEPARABLE COMPACT.** It is proved that the space in the form of $C(K)$ admits a pointwise lower semicontinuous LUR norm for any linearly ordered separable compact space K with usual interval topology.

P. 119. *Lazarev V.R.* **ON THE SOME MODIFICATION OF THE NOTION OF THE FUNCTIONAL WITH THE FINITE SUPPORT.** Present notation is the sequel and development of the [1]. More restricted, then in [1], a finite support functionals space is considering. It is established, that, in the some cases new space have better properties, then one in the [1]. Particularly, the support mapping becomes lower and partially upper semicontinuous.

P. 121. *Yuferova G.A.* **THE LOEWNER DIFFERENTIAL EQUATION AND ORTHOGONAL POLYNOMIALS.** Formulas for coefficients of functions, which maps the unit disk onto disk slit along a radius, are obtained by the Loewner differential equation, also tie between this function and generated functions for classical orthogonal polynomials are showed.

PHYSICS

P. 125. *Gorbenko T.I.* **THE INFLUENCE OF MIXTURE COMPONENT RATIO ON THE BURNING PROCESS OF METALLIZED PROPELLANTS UNDER THE SUBATMOSPHERIC PRESSURES.** The results of experimental research of oxidizer/fuel component ratio influence on model compositions burning performances are represented in this article. Tested compositions were based on dual oxidizer – ammonium perchlorate/octagen and contained commercial aluminum or ultra-fine aluminum powder ALEX. The burning rate was found to increase 1,5 times and more with the replacement of commercial Al by Alex under the pressure range of 0,03–0,1 MPa. The possibility for burning rate control by varying the oxidizer excess factor was shown.

P. 129. *Zharkov A.S., Popov F.A.* **THE PRINCIPLES OF INFORMATION EDUCATION AND SCIENCE FIELDS OF VERSATILE SCIENCE-CITY.** Which are caused with necessity of creation the uniform informational scientifically-educational environment considered as a structural unit of city system of informational areas (scientifically-educational area, cultural heritage area, public health service area, municipal office area etc.) are considered. The city system of informational areas is based on telecommunication networks which are functioning by the common rules, system of city cadastres, uniform system of object-oriented databases, information resources of multiple access, local information resources of educational institutions, firms and the organizations.

P. 132. *Zvol'sky L.S.* **LOGIC REDUNDANCY STRUCTURES IN INDUSTRIAL AUTOMATION SYSTEMS.** The article deals with an approach to designing of logic redundancy structures in industrial automation systems (IAS) used for industrial facilities of potentially hazardous technologies. It shows how to make logic redundancy of automation systems by means of new coupling devices with an object (CDO) and organization of a local computer network.

ECONOMICS

P. 135. *German M.V.* **PROFESSIONAL LEVEL OF THE INDIVIDUAL OF ITS CHANGE AND CONDITION OF FORMATION IN A CONTEXT OCCURRING CHANGING PROCESSES IN A SOCIETY.** The concept, a «professional level of the individual» its changes and a condition of formation in a context occurring changing processes in a society is certain.

P. 139. *Mochalov M.V.* **NECESSITY OF ECONOMIC APPRAISAL OF ENVIRONMENTAL IMPACTS.** In this article the necessity of economic appraisal of environmental impacts is considered. For conduction of effective economic appraisal of environmental impacts government have to create such conditions, which will stimulate conduction of deep and detailed appraisal by firm. It may be done by taxation stimulation and modified system of emission trade applied to the local pollutions.

P. 142. *Petrova T.A.* **IMPETUSES AND CONTRADICTIONS OF MUNICIPAL REFORMS.** The article deals with questions of reforming local government system, budget regulation, conditions of creating efficient system of local government.

P. 146. *Khloptsov D.M.* **LAND AS A SPECIFIC PRODUCTION FACTOR IN THE RUSSIAN MARKET ECONOMY.** Land is an economic resource and an article of goods that can be sold and purchased on the open market. The land market in Russia is at the first stage of its development. The article analyses the current Russian land market and the developed countries' experience in land policy in order to develop a theoretical basis and methods of land management for solving economic, town planning and social problems and for justifying the new approaches for calculating land fees and charges in Russia.

P. 151. *Holodova E.I.* **ELECTRONIC ECONOMY AS ONE OF DIRECTIONS OF DEVELOPMENT OF SIBERIAN REGION (TOMSK AREA).** The article is devoted to the problems of the development of electronic economy. The given direction is new enough for an economic science and causes a lot of disputes. Today the electronic economy as the phenomenon is typical for all countries of the postindustrial period and is a part of an information society. It allows to transfer some economic processes to the virtual space of the Internet. For Russia as a whole, and for our Siberian region, in particular, it is an opportunity to enter quickly into world economic community and to change orientation from a raw-material base to innovation business production. These innovation products already can offer new developments to the market in the sphere telecommunication and IT-technologies.

LEGAL

P. 155. *Kiryushina L.Yu.* **ABSTRACT CRIMINALISTIC TYPOLOGY OF FEMALE CRIMINALS AS A FOUNDATION FOR CRIMINAL METHODS OF INVESTIGATION.** The authors approach to the construction of criminalistic investigation methods of the crimes committed by female-criminals is discussed in this article. The female criminals typology (classification) concerning the definite types of crimes is stressed by the author. The structural features of the crimes committed by females (in copartnership with females; males; juveniles; children and others) are given in this article. The understanding of the female-criminals types regularities greatly influence the tactics of peculiar investigation actions.

P. 160. *Mulyavin M.K.* **THE SPECIAL FEATURES OF STATE PARTICIPATION IN THE PRODUCTION SHARING AGREEMENTS.** On the basis of Russian legislation about the production sharing agreements and scientific lawyers' point of view, the special features of State participation in the production sharing agreements are considered now. Main distinctive features of State participation as a power subject in economical relations are presented in this Article. Relation and influence of public-legal power nature of State on its civil legal personality, possibilities of legislative control of authorized state companies participation in agreements, as well as possibilities of conclusion and realization of the agreements in the regions are presented in this Article, too. Concrete recommendations for relevant amendments to be introduced into the legislation are proposed.

P. 164. *Skorikova T.N.* **MOBILE VIRTUAL NETWORK OPERATORS AS SUBJECTS OF LEGAL RELATIONSHIP RENDERING OF SERVICE OF MOVING CONSTRAINT.** The article touches upon an issue of the day of legal regime of rendering of service of moving constraint by Mobile Virtual Network Operators. Skorikova T.N. makes an attempt to define legal status of operators who render virtual moving net's service. Also the author proves a conclusion that in current legislation there is no legal norms which regulate this area of legal relationship.

P. 168. *Terehova L.A.* **SUBMISSION ADDITIONAL PROOFS TO THE COURT OF «SECOND» INSTANCE.** The author grounds the necessity of submission additional proofs to the court of «second» (appeal) instance without limitation. Such limitation prevents from establishment facts, which are important for trial and final decision.

P. 171. *Shidlovskaya Yu.V.* **INTERACTION BETWEEN JURY AND JUDGE IN CRIMINAL TRIALS IN RUSSIA.** According to the existing types of criminal proceedings, two types of the interaction between jurors and professional judges can be distinguished: a) judicial equality of rights of the jury and of the judges, with an arbitrary power of a judge (the continental legal system); b) priority of the judge over the jury (the Anglo-Saxon legal system, Russia). Although criminal proceedings in Russia are referred to the continental legal system, implying judicial activity of the court, the jury is classified according to the Anglo-Saxon system, in which the role of the chief judge prevails. As a consequence, the jurors are prevented from reviewing and evaluating evidence in full measure and thus from exercising their rights set by the laws of the Russian Federation.

PSYCHOLOGY AND PEDAGOGICS

P. 174. *Veretcsagina I.M.* **THE PERSPECTIVE OF THE REGIONAL LEISURE CENTER (HOBBY CENTER) DEVELOPMENT IN THE PERIOD OF TRANSITIVE ECONOMY IN SIBERIA.** One of the urgent development tendencies of social and cultural activity in Russia is differentiation of social cultural spheres according to variety of structural components that is ethnical, territorial and demographic ones. The article observes the necessity of the development and inculcation the model of leisure center (hobby center), which would take into account all the cultural and historical peculiarities of the region and provide the condition for development of local initiative, creative potential and cultural self-expression of aborigines of Siberia.

P. 176. *Kolesnikova M.V.* **PEDAGOGICAL RESEARCH IN THE FIELD OF PERSONALITY'S SOCIAL ACTIVITY.** This article is devoted to the actual problem of the contemporaneity – the formation of personality's social activity. The author examines the structure of the social activity, criteria of its definition. The classification and characteristic features of the pedagogical situations which contribute to the formation of social active personality in the various years are also examined in this article.

P. 179. *Lukianov O.V.* **THE ACTUALITY OF STUDYING TRANSTEMPORAL ASPECTS OF SOCIAL AND PSYCHOLOGICAL EXPERIENCE.** In this article the actuality of psychological researches' constructions in connection with post-non-classical type of rationality is based. It is proposed to consider social and psychological experience in categories of time forms' coordination. It is showed that forms of coordination of times explicate the meaning of psychological illnesses of modern society better than forms of accordance of symbols and essences. A hypothesis about two dimensions in researching of psychological experience (readiness and maturity) is set up. The coordination of these dimensions makes the concrete form of time or the existential context of psychological experience.

P. 186. *Malkova I.Yu.* **THE PROBLEM OF PROJECTION IN COMPETENCE APPROACH TO EDUCATION.** In article conditions ideological fundamentals of projecting of education. The author has determined variants of development of skills to project at students of the higher school. The material for definition of structure and a level of skills submitted to project. The article observes the basis of the evaluation of the projecting in the education, the dependence of the quality of the plan on the pedagogical activity.

P. 190. *Povariich I.P., Surkov E.A.* **THE MODELS OF INTERACTION BETWEEN KEMEROVO STATE UNIVERSITY AND ITS ENVIRONMENT UNDER THE CONDITIONS OF MODERNIZATION OF EDUCATIONAL INSTITUTIONS OF HIGHER VOCATIONAL LEVEL.** In this article the authors consider different models of interaction between universities and their environment under the conditions of modernization of educational institutions of higher vocational level by the example of Kemerovo State University.

SCIENCES ABOUT EARS

P. 194. *Ivanov A.O.* **ECOLOGY-GEOCHEMICAL CONDITION OF ATMOSPHERIC AIR OF TOMSK CITY AND OB-TOMSK INTERFLUVE IN 2006 (ACCORDING TO THE RESULTS OF SURVEY OF 2006).** There were produced the results of ecogeochemical researches of snow cover of Tomsk city and Ob-Tomsk interfluve in 2006. According to the results of the researches the most polluted districts of Tomsk city and interfluve territories were chosen. The rates of dust burden, coefficients of metal concentration in snow dust were found out as well as local. There was given an estimation of satisfactory hygiene and sanitary condition of atmospheric air of Tomsk city and Ob-Tomsk interfluve.

P. 198. *Khromykh V.S.* **SOME THEORETICAL QUESTIONS OF STUDY OF DYNAMICS LANDSCAPES.** In clause the theoretical questions of study of dynamics of landscapes are investigated. The development of representations about dynamics of landscapes is considered. The characteristic to specific concepts of dynamics is given: to functioning, dynamics and development (evolution), are considered rhythm, cycles and periodicity of natural processes, are investigated self-organizing of geosystems and external dynamic factors, the concept of a condition of geosystem is offered.

P. 208. *Khromykh V.V., Khromykh O.V.* **THE EXPERIENCE OF AUTOMIZED MORPHOMETRIC ANALYSIS OF GEOSYSTEMS BASED ON DIGITAL ELEVATION MODEL OF THE TOM VALLEY.** The example of automized morphometric analysis of landscapes based on Digital Elevation Model of the Tom valley is described. The methods of the computation of geosystems average slopes using GIS are suggested. Consistent patterns in distribution of average slopes of geosystems were found depending on elevation level of the river valley circuits.

BIOLOGY

P. 211. *Burenina A.A., Michailova S.I., Sotnicova N.V., Astafurova T.P.* **MORPHOLOGICAL INDEX *AMARANTHUS L. SP.* EARLY GROWTH WAS REVEALED.** More informative morphological index *Amaranthus L. sp.* early growth was revealed. We demonstrated that early growth plants as compared with lateness have more small absolute size of leaves and number of internodes but higher specific surface density of leaves. More stable character is relation between larger leaf and height shoot.

P. 213. *Bysyina M.F.* **SYNOPSIS OF THE FLORA OF THE THERMOKARST'S HOLLOWES (CENTRAL YAKUTIA).** In the article adduce a list of the flora of the thermokarst's hollowes (Central Yakutia). Synopsis include 245 species and subspecies of vascular plants. This materials were revealed during the field investigation in 2003–2006 years.

P. 218. *Kalyushin V.A., Kalyushina O.V.* **THE INFLUENCE OF CONCENTRATED SOLUTIONS OF SALTS OF HEAVY METALS ON THE PHYSIOLOGICAL AND KINETIC INDICATORS OF MICROORGANISMS.** In the process of the experiment the influence of heavy metals on the growth and multiplication of microorganisms was studied. It was stated that in natural communities the microorganisms are anomaly resistant to heavy metals. Their growth is inhibited by the concentration of heavy metals of more than 1–2 moles; they can absorb a wide spectrum of organic substances; the temperature optimum for them is 30°C; they can accumulate in the biomass about 20–30% of heavy metals.

P. 222. *Morenko M.O.* **HALOPHYTES OF ALTAI MOUNTAINS SYSTEM ON EXAMPLE OF *CHENOPODIACEAE* (GOOSEFOOT) FAMILY.** Chenopodiaceae is a one of the leading family on the territory of Altai range system due to high level of species tolerance. They occupy a wide spectrum of ecological niches. Familie plays a special role as a component of the high salinity habitats where other species can't exist. Morphological and physiological features define such saltresistance.

P. 224. *Romanenko V.N.* **THE ECOLOGICAL FOUNDATION OF PASTRURABLE *IXODES* TICKS (PARASITIFORMES, IXODIDAE) BEHAVIOR DURING THE QUEST AND AGGRESSION ON VICTIM.** The aggressive active type of the ticks has foundation on the visual perception of the distinguished among the objects basic area in the wilderness arid condition. The orientation by the visual signals is shorten the time of par suit the victim. The largest time a ticks carry out in the housings and they make more active by perception the soil vibration or the chemical signals from the oncoming animal. As the ticks of genus *Dermacentor* and *Ixodes* are the steppe and forest inhabitants then they have a passive manner of aggression on the host. They perceiver the chemical signal from people at the distance more than 10 m that allows to prepare for linkage. The regular odor signals from the animals, cause the direct travel of ticks. The passive behavior of *Ixodes persulcatus* combine with regular change of places of expectation the hosts. These ticks are need in regular silling up vater reserve in organism that occur at its hide in the forest litter.

P. 229. *Sarmatova N.I.* **DEPENDENCE OF ORAL MICROBIAL FLORA UPON EXOGENOUS FACTORS.** Number of microorganisms in the oral fluid depends on various factors. A lot of exogenous factors correlate with the infringements in oral cavity, which is characterized by change of qualitative and (or) quantitative structure of normal oral microbial flora. Prevalent species included *S. milleri*, *S. mutans*, *S. adjacens*, *S. sobrinus* were received from the oral liquid.

P. 231. *Khodanovich M.Y., Esipenko E.A.* **EVENT RELATED BRAIN POTENTIALS AT MEASURING OF TIME INTERVALS BY HUMAN. I. DIFFERENT STRATEGIES OF PERFORMING OF MOTOR TEMPORAL ORIENTING TASKS.** Event-related potentials (ERPs) were explored at presenting of two types of stimuli: 1) digits in range from 1 to 5,5 were corresponded time intervals in seconds which are to be produced by double pressing a key «space»; 2) digits in range from 0,1 up to 0,9 demanded only double pressing this key. Comparison of ERPs at presentation first and second type of stimulus has allowed to find a positive component in piece of 400–600 ms from onset of visual stimulus specifying a time interval (P400–600) and a negative component in an interval between the first and second pressing a key (N200–500). On the basis of correlations between amplitudes of these components and indexes of timing accuracy and latency of motor response we hypothesize that human can use different strategy of performing of motor temporal orienting tasks. The strategy of «mental count of seconds» is proposed as address to subjective internal time etalon before to produce of interval; it is manifest as negative changes of P400–600 in parietal-occipital parietal-occipital cortical areas. The strategy of «orientation to internal etalon» is proposed as address to long-term memory during supervised pause between pressing a key; it is manifest as negative changes of N200–500 in occipital occipital cortical areas.