

## Summary

### ***Ekaterina Kazimirova. The problem of choice – a neuroscience outlook***

The article provides a brief overview of modern views on the neurobiology of decision making and optimal foraging models and discusses the common character of core mechanisms of making a choice in humans and higher animals. It also discusses how person's sociocultural dimension affects the degrees of freedom in making decisions. It is proposed that person's understanding of his self nature defines his degree of freedom.

**Keywords:** neuroeconomics, optimal foraging models, neuronal decision making mechanisms, choice, freedom of will, value system, associations, emotions, multidimensional nature of humans.

### ***Yuri Granin. The development of science and innovation in Russia: the choice of strategy***

In this article the author analyzes the scientific-technical policies of the developed countries, the disadvantages of Russian State policy of modernization, the options of the strategy of the development of the innovative capacity in modern Russia.

**Keywords:** modernization, civilization, science, education, innovations.

### ***Sergey Malkov. Virtual money vs banknotes: “Quo vadis?”***

The article deals with the new phenomenon of contemporary life as virtual money, gives the definition and contrasts with banknotes. The author examines the transition from paper currency to virtual money, typical for the information society, whose witness we are now; explains the stages of the process; considers possible pro and contra of the widespread transition to virtual money primarily for ordinary people. This raises the question of the need to protect their interests and rights.

**Keywords:** virtual money, electronic transactions, banknotes, internet-technologies, information society, human rights

### ***Igor Andreev. Choice of human behavior model in African society***

Problem of choice of behavior model by human beings placed on a border of different historical epochs and civilizations is taken from the view point of African ethnopsychology. The article is prepared using author's materials and notebook notes reflecting his impressions, observations and thoughts born as a result of his work in 15 countries of Tropical Africa.

**Key words:** human being, being, having, change, trade, money, market.

### ***Olga Shulman. Augustine on Choice: “De libero arbitrio I – III”***

Augustine begins with the question of the nature of moral evil and concludes that it lies in the wrong choice of human will which violates the universal order as it subjects the intellect to the desire. There is no sub-

stance of evil, the evil is just absence of the order, a wrong action of free will. The will itself is good, a wrong choice results in evil. Every being is good. In every creature there is the desire to be; following it man longs for the highest being, chooses non-material, universal blessings and thus finds the true happiness.

**Keywords:** moral evil, the substance of evil, intellect, desire, free will, order, choice, existence, being, blessings, happiness

***Marina Kiseleva. Choice in the Russian culture: the birth of concept within an historical time***

The article demonstrates by the examples of the Russian folklore and dictionaries that the notion “Choice“ descends from the late historical period. For the first time this term appears in the translated texts of the XVI century and takes roots in the XVII century. The author researches for the now-day popular concept in the academic papers of “the choosing a faith” by Prince Vladimir and proves that in the Chronicle “The Pověst’ vremennykh lēt” (where the event is described) this concept is absent. However S.M. Soloviev uses it in his book „A Russian History since the ancient times”. Finally the author analyzes the play written by Dimitri Rostovsky (1702) which discusses a problem of choosing in a way of a baroque morality play of the early period of Peter the Great’s rule.

**Keywords:** choice, history, Russian culture, Prince Vladimir’s “the choosing a faith”, Russian tales, proverbs, spells, “Comedy for the Nativity of Christ” by Dimitry Rostovsky.

***Tatiana Chumakova. The choice of the scholars. Science and Politics in a totalitarian society***

The article describes the activity of the Commission on the History of the Academy of Sciences (1938–1953), which dealt with the creation of a general work on the history of the Academy of Sciences. The result was the publication of CHAS’s, “Essays about the History of the Academy of Sciences, 1725–1945” and “Materials for the history of the Academy of Sciences of the Soviet period (1917–1947)”, which represented the first experience of the chronicles of the Academy of Sciences of the USSR, and also contained a reference to bibliographic information about the members of the Academy of Sciences and the winners of academic awards. Materials prepared by the staff of CHAS were used in the publication of “The History of the Academy of Sciences of the USSR” (Moscow, Leningrad, 1958–1964), prepared by the Institute of History of Science and Technology of the USSR.

**Keywords:** history of science, the choice of the scientist, the history of the USSR, the intellectual history

***Alexandr Razumov. Will man choose humanism?***

Today man is facing the crucial problem: he must choose which way to take: he either follows one of the roads to humanism or, if he chooses otherwise, mankind may be doomed to untimely extinction. Here we find tangled in one knot various components of mythological, religious, philosophical and scientific thinking.

**Keywords:** man, creative activity, myth, idea, ideal, ideology.

***Galina Stepanova. Self-realization of man: does a choice exist?***

The paper outlines common areas of such phenomena as self-realization, motivation and choice of the person and identifies some of their relationship. It is shown that self-realization is to a large extent under the influence of a social situation, and the inner potential of the person, his motivational structure, value-semantic organization, which ultimately determines the possibility of his choice in the self-realization.

**Keywords:** self-realization, motivation, choice of the person, self-determination

***Elena Yaroslavtseva. Man's rise to the choice: standards tops interactive communications***

In this article the person's choice is considered as a state. This state can be achieved by personal development, a natural phenomenon of interactive communications, which has become a mechanism of actualization of his freedom. Carrying synergetic effect and enhancing overcoming the boundaries, the choice becomes a normal action allowing a person to establish the relationship of help. These issues are especially relevant with the rapid change of human communication environment, the development of digital networks, the emergence of artificial entity of communication – robots, avatars, nick names – that form interactive space with high risks associated with both individual and social development.

**Keywords:** a human being, freedom, boundary, choice, goal, interactive tops, communication environment.

***Igor Andreev, Andrey Berezantsev, Lionella Nazarova. The forensic psychiatry: a choice situations***

The subject of the article serves the essential duality of forensic psychiatry as a form of medical-legal examination and consequent alternative situation psychological “splitting” the expert, it carries out.

**Keywords:** forensic psychiatry, expertise, law, medicine, crime, capacity, forced

***Darya Beskova. The daily routine choice as structural component of the adaptation***

The subject of a choice is considered in a broad sense - as universal ability of self-organizing system to prefer one or several alternatives from a range potentially possible ones for the purpose of maintenance of homeodynamic

balance of system at a given timepoint. The research is focused on one of the aspects of the problem of choice: daily routine choice, as realization of preferences within daily functioning and usual activities. The daily routine choice is mainly unconscious phenomenon, not perceived by the subject as the significant volitional act. It is assumed that the daily routine choice isn't accidental, and that internal regularities of its implementation can be revealed. For the purpose of justification of this idea the adaptation model is used. The adaptation-compensation principles of making a daily routine choice are formulated. The concept of an adaptive cycle as a mechanism of implementation of a daily routine choice in structure of subject's daily activity is proposed.

**Keywords:** daily routine choice, the existential choice, unconscious, conscious, adaptation, compensation, disadaptation, adaptive cycle, the "good" choice, the "bad" choice.

### ***Igor Mikhailov. Choice as an Intentional Act***

Man owes much of his ability to choose (apparent or real) to the language. The world as such (or at least its deterministic picture, which we tend to take as objective) does not contain any questions or negations, nor does it contain absence or needs. All of this arrives together with proposition, which, according to the grammar of language, we can deny or interrogate. Language is a projection of human needs into the realm of communication. Consequently, the choice is possible owing to man's ability to communicate and to the particular design of language, because of which it bears "possible worlds".

**Keywords:** language, mind, intentionality, choice.

### ***Igor Ashmarin. Chance or causation? (in example of Physics and Music)***

This article is an attempt to assess the extent of influence of one of the major problems in science – the ratio of randomness and predictability – on the "unscientific" spheres of human activity. It compares the chronologically isomorphic chapters from histories of physics and music. In this aspect, the roles of "Mathematical Principles of Natural Philosophy" by I. Newton for physics and "The Well-Tempered Clavier" by J.S. Bach, music and which appeared almost simultaneously, were compared. The similar comparison for the concepts of quantum mechanics and the musical avant-garde in the XX century was conducted. It has been shown that in different socio-cultural era for both the physics and the music contingencies and causality are inseparable, complementing each other.

**Keywords:** randomness, determinism, music, physics, quantum mechanics, the musical avant-garde