

Absrtacts, keywords

© **Komleva E. A. Natural-antropo-social phenomenon of nuclear energy**

Identified the main concepts. Performed pioneering researchers for Russia, antropo-social complex components of the phenomenon of nuclear energy. Phenomenon without which, life on Earth is excluded. Researchers have brought to the pragmatic way of SAMPO.

Keywords: *Nuclear energy, man, society, material and spiritual culture.*

© **Lukin Y. F. Arctic social fears**

This article presents the first experience of philosophical understanding of the Arctic phobias as a social phenomenon. Phobias are here considered not like as obsessive fears or apprehensions of the individual, as well as long-term threat, anxiety, expectations of social communities and groups related to Arctic issues and requiring their conceptual analysis. We try to make an attempt to identify social phobias, their classification of content studied philosophy Homo sapiens, and fears of modern Russians. It is opened polifobiya of the Arctic environment, Arctic social and cultural phobias, fears of HAARP, climatic changes, with the polar Russo phobia with Arctic performances.

Keywords: *Social fears, classifications, point of views, urban fears, arctic fears, HAARP, Russo-phobe, polar performance.*

© **Gorelikov L. A. Arctic project on the development of global society**

The article investigates the spiritual, moral and historical grounds of objectively formation of a global society in the world content integrity. Expands the historical logic of the development of world society as the rise of social practice from the requirements of natural necessity to creative strategies, universal freedom. Substantiates the key role of the Arctic in a humanistic civilization and consolidation of humanity.

Keywords: *global society, spiritual creation, the national idea, the universal humanism, Arctic civilization, the world's integrity.*

© **Zaikov K. S, Nilsen I. P. Norwegian-Russian Arctic frontier: from the whole districts to the Pomor region**

In this magazine, the authors analyze the major years in the history of Russian-Norwegian border, highlighting the three key stages: 1) the Middle Ages and early modern times – a period of frontier zone and overall fiscal district, gradually diminishing in the process of penetration of the state to the north; 2) the Soviet period with nearly hermetic state border; 3) the modern period, with the process of integration, transparent boundaries and initiatives to create a modern form of “general district”.

Keywords: *Norwegian-Russian border, Pomor land, general district, History, Russian-Norwegian relations.*

© **Shybin S. I. Energy of the North to the Synergetic of Russia**

The history of the administrative-territorial division of the European North of Russia suggests that only a consolidated region, which is united by common interests (province, territory, economic region), it can play a role of a springboard development of Arctic areas. A new model of territorial organization, able to convert energy of the North to synergetic of Russia, reflects the author of the article.

Keywords: *Synergetic, Russia, energy, region, enlargement of the regions, the northern economic region, the Northern Federal District Dvina-Pechora region.*

© **Glyaznezova U. S., Zelenina I. N., Chalaya O. N., Lifshiz S. H. The questions of environmental monitoring and rehabilitation of oil-contaminated soils of the Arctic zone of Yakutia**

In the study of permafrost soils to characterize the features of the natural background, the identification of oil pollution of soil, its composition and characteristics of the boundaries, it was used a complex of analytic methods: IK-Fyrie spectroscopy, gas-liquid chromatography, chromatography mass-spectrometry and geochemical approach to the interpretation of the data. The results of an experiment of the study of the degradation of oil pollution in the soils of permafrost under the effect of oil destructors on native micro flora of hydrocarbon.

Keywords: *oil pollution, biodegrading, permafrost soil, micro flora, the natural background.*

© **Zelenina L. I., Fedkyshova S. I. Forecasting and the results of climatic changes in the Arctic region**

The article defines the role of the Arctic region. The causes of climatic changes have been studied. The statistics of changes in key climate indicators is written. A mathematical model of a polynomial trend of the minimum area of Arctic sea ice is created.

Keywords: *Arctic region, climatic changes, forecasting models.*

© **Palkina O. A. Features of external respiration of female students in the conditions of the North**

The respiratory apparatus of the female students have been studied. A small voltage functional capacity of respiratory apparatus is found.

Keywords: *female students, the respiratory system, oxygen*

© **Egorov A. M. Heroic contribution of Pskov in the protection of the Russian North during the “northern” wars at the end of XVI – to the beginning of XVIII centuries**

The article deals with difficult problems of cross-border relations in the north of Europe, have not lost their importance and relevance to the present. In the work we showed the events reflected and so-called “Northern” wars middle. XVI – the beginning. XVIII centuries. In the form how they look through the lens of a key border town in the north-western border of Russia, Pskov, which was at this period the main city of Russian statehood in the Northwest and the country was in the middle of international controversy. Article introduces the scientific revolution, some little known

facts that allows to use more objective look at the history and present of the North and North-West Russia.

Key words: *centralized state, a geopolitical vacuum, strategic, military conflict, dynastic controversy, claim, privilege, an international treaty, neutrality, intervention, border truce, diplomacy, the demarcation, the coalition, disposition, surrender.*

© **Martinov A. Y. The islands of the White Sea, from the Mesolithic to the Middle Ages (the ancient development of the White Sea islands on archaeological data)**

The article is devoted to the history of development of the White Sea Islands (Solovki, Kuzova, Zhizhgin, Mudyug) in the Stone Age – Iron (VI millennium BC. E. – I millennium AD. E.). On the basis of archaeological sources and experimental data it contains answers to questions about the nature of the ancient island of settlements, the culture of their inhabitants, cultural ties with continental cultures, ancient sea routes, origin and destination of stone labyrinths of the White Sea.

Keywords: *White Sea, Solovki Islands, an ancient settlement, excavations, artifacts, pottery, stone tools, labyrinth, an experiment, a boat.*

© **Ershova U. V. NATO's actions in the Arctic and their influence on the militarization of the region**

This article describes the major years of militarization of the Arctic region at present and NATO's role in this process. In conclusion, we can say about a low probability of military confrontation in the Arctic.

Keywords: *Arctic, militarization, NATO, Denmark, Norway, USA, Russia, Canada.*